

University of Madras

Estd. 1857

Re-Accredited at the “A” grade level by NAAC and Conferred with the

“University with Potential for Excellence” status by UGC

CBCS HANDBOOK 2017- 2018

MISSION OF THE UNIVERSITY

Our Mission is to impart quality higher education in consonance with our motto "*learning promotes natural talent*". We strive to develop citizens with knowledge, skill and character leading to societal transformation and national development. We aim at making our students men and women, who offer their selfless service for the progress of the country and people.

தமிழ்த்தாய் வாழ்த்து

நீராருங் கடலுடுத்த நிலமடந்தைக் கெழிலொழுகும்
சீராரும் வதனமெனத் திகழ்பரதக் கண்டமிதில்
தெக்கணமும் அதிற்சிறந்த திராவிடநல் திருநாடும்
தக்கசிறு பிறைநுதலும் தரித்தநறுந் திலகமுமே!
அத்திலக வாசனைபோல் அனைத்துலகும் இன்பமுற
எத்திசையும் புகழ்மணக்க இருந்தபெருந் தமிழணங்கே!
தமிழணங்கே!
உன் சீரிளமைத் திறம்வியந்து செயல்மறந்து
வாழ்த்துதுமே! வாழ்த்துதுமே! வாழ்த்துதுமே!

மனோன்மணியம் பெ. சுந்தரம்பிள்ளை

NATIONAL ANTHEM

Jana gana mana adhi nayaka jaya he
Bharatha Bhagya Vidhata
Punjab Sindhu Gujaratha Marata
Dravida Utkala Banga
Vindhya Himachala Yamuna Ganga
Uchchala Jaladhi taranga
Tava Suba name jage
Tava Suba ashisha mage
Gahe tava jaya gatha
Janagana mangala dayaka jayahe
Bharatha bhagya Vidhata
Jaya he Jaya he Jaya he
Jaya jaya jaya jaya he

- Rabindranath Tagore



UNIVERSITY OF MADRAS

(Established under the Act of Incorporation XXVII of 1857-Madras University Act 1923)
(State University)

CHEPAUK, CHENNAI - 600 005

Prof. P. DURAISAMY

Ph.D., D.Econ.Sc. (Paris)

Vice - Chancellor



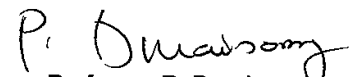
MESSAGE

I am happy to welcome you all to the University of Madras, a portal for higher education. You should feel proud of belonging to one of the oldest and prestigious Universities in this country. The University has the distinction of having several illustrious alumni who were Nobel Laureates, Presidents of India Statesmen, Chief Justice of India, Ministers, Administrators, Distinguished Researchers, and Academicians.

The University has been accredited by NAAC with a high grade consecutively in the three accreditation cycles and it has been recognised as one of the first five Universities for the UGC's prestigious programme, "University with Potential for Excellence (UPE)". The University has good academic infrastructure facilities and learning resources better than many State Universities in this country. I am proud to state that the University plays a catalyst role in providing high quality higher education in India.

The University offers a flexible curriculum under Choice Based Credit System with a large number of electives and core courses to strengthen your skills and make you employable. The core courses are specially designed to take you to advanced academic levels and prepare you for career or higher studies. Our programs are aimed at broadening and deepening your knowledge in the chosen field. The University also offers scope for engaging in several extra and co-curricular activities. We have high expectations from our students. We would like you to perform well in academics and to act with highest level of academic integrity and honor.

I wish you a productive learning experience and memorable stay at the University of Madras.


Professor P. Duraisamy

INDEX

Sl. No.	CONTENTS	PAGE No.
1.	Major Functionaries of the University	007
2.	Achievements of the University	009
3.	Instructions to Students	010
4.	University of Madras: A profile	012
5.	University (Campuses, Schools and Constituent Departments)	019
6.	Department-wise Programmes under CBCS (Choice Based Credit System)	022
7.	CBCS Regulations	027
8.	Student's Conduct Rules	046
9.	Scholarships	049
10.	DO's and DON'Ts under the CBCS System	050
11.	School -wise and Department-wise Programmes and Course List	
	<i>School of Historical Studies</i>	052
	<i>School of Social Sciences</i>	055
	<i>School of Political and International Studies</i>	071
	<i>School of Economics</i>	084
	<i>School of Information and Communication Studies</i>	089
	<i>School of Philosophy and Religious Thought</i>	093
	<i>School of Fine and Performing Arts</i>	108
	<i>School of English and Foreign Languages</i>	114
	<i>School of Business and Management Studies</i>	119
	<i>School of Mathematics, Statistics & Computer Science</i>	124
	<i>School of Tamil and other Dravidian Languages</i>	132
	<i>School of Sanskrit and other Indian Languages</i>	141

<i>School of Earth and Atmospheric Sciences</i>	150
<i>School of Chemical Sciences</i>	158
<i>School of Physical Sciences</i>	167
<i>School of Life Sciences</i>	174
<i>School of Basic Medical Sciences</i>	183
<i>School of Nano Science and Photonics</i>	195
<i>Department of Physical Education and Sports</i>	199
12. Academic Calendar	202

MAJOR FUNCTIONARIES OF THE UNIVERSITY

His Excellency, the Governor of Tamil Nadu

Thiru. C. Vidyasagar Rao

Chancellor

Hon'ble Minister for Higher Education, Government of Tamil Nadu

Thiru. K.P. Anbazhagan

Pro-Chancellor

Dr.P.Duraisamy

Vice- Chancellor

Dr. S.Karunanidhi

Registrar i/c

Dr.M.Srinivasan

Controller of Examinations i/c

DEANS

Dr. S.Gurusamy

Academic

Dr. K.Jothi Sivagnanam

Research

Dr.S.Ramasamy

UICIC

Dr.S.Sumathi

Students

Dr.M.R.Srinivasan

College Development Council i/c

Dr. A. David Ambrose

Legal Affairs

Dr.R.Rangarajan

Endowment

CAMPUS DIRECTORS

Dr.G. Ravindran

Chepauk Campus

Dr. M.Sampath Kumar

Marina Campus

Dr.N.Mathivanan

Guindy Campus

Dr. R.Malathi

Taramani Campus

DIRECTORS

Dr. Madha Suresh

IQAC

Dr. R.Srinivasan

Planning & Development

Dr. R.Panchalan

Institute of Distance Education

Dr. P.Karthe

Dr. ALM Centre for Basic Science

Development

Dr. A. Gunasekaran

UGC Human Resource Development

Centre

Dr. S.Armstrong
Dr.M. Sakthivel

Dr.V.Bharathi Harishankar
Dr. V. Mahadevan

Publications
University Students' Advisory
Bureau (USAB)
ICOM
Director of Physical Education

SPECIAL OFFICER

Dr.S. Karunanidhi

CO-ORDINATORS

Dr. Godavarisha Mishra
Dr. S. Sampath
Dr. T.R. Gopalakrishnan

Centre for Buddhism
Earn While you Learn Scheme
Centre for e-learning/Pan African/e-
Network

CAMPUS COORDINATORS FOR SOFT SKILL PROGRAMMES

<i>Campus Coordinator</i>	<i>Designation</i>	<i>Department</i>
<i>Dr.S.Sumathi (Chepauk)</i>	Prof. & Head	Anthropology
<i>Dr. Padma Krishnan (Taramani)</i>	Asst. Professor	Microbiology
<i>Dr.M. Sampath Kumar (ORI)</i>	Prof. &Head	Telugu
<i>Dr.C. Arulvasu (Guindy)</i>	Asst. Professor	Zoology

LIBRARIANS

Dr. K. Kaliyaperumal
Dr. M.G. Selvi
Thiru. P. Dhanasekaran
Thiru. V. Kalaiappan

Librarian i/c, Chepauk Campus
Asst. Librarian & Library i/c, Guindy Campus
Asst. Librarian & Library i/c, Taramani Campus
Asst. Librarian, Marina Campus

ACHIEVEMENTS AT A GLANCE

The developments during the XI-Plan of the University of Madras was guided by its objective of inclusive growth and excellence, and its vision of imparting quality and socially relevant education, promoting synergy between society and industry, and capacity building of students. The University has made significant strides in achieving these objectives.

Achievements	At the End of X Plan	At the End of XI Plan
Number of Faculties/Schools	17	18
Number of Departments/Centres	66	68
Number of Departments/Centres with SAP	17	18
Number of Departments/Centres having collaboration/exchange programmes with other National and International Institutions	19	16
Total Number of Students	1961	2445
SC/ST Students	495	551
OBC/BC Students	1362	1363
Female Students	897	1274
No. of Permanent Staff	273+21*	202+12*
Adhoc/Contract Teachers	79	116
Teacher/Student Ratio	1:6	1:8
No. of volumes in Library	5,12,000	5,53,706
Number of Degrees Awarded		
Post-Graduate	1,063	1,314
M.Phil	314	428
Ph.D.	230	256
		<i>*IDE</i>

INSTRUCTIONS TO THE STUDENTS

1. Students shall preserve this Handbook till the completion of programme. No additional copy will be supplied under any circumstances
2. The Handbook contains the details of courses (papers) of the programme conducted in the University Departments.
3. Detailed Course Contents are also available in the Madras University Website at www.unom.ac.in
4. Students shall carefully read the CBCS Regulations and Academic Calendar for their information regarding the course registration, option for electives, etc.
5. Students are advised to register for the elective courses in consultation with their student advisor.
6. Students shall take note of the scheduled dates mentioned in the **Academic Calendar** for Course Registration, Payment of Tuition Fees, Payment of Examinations Fees and **no separate intimation will be sent in this regard.**
7. Students shall register for the examination online for each semester for the PG Degree programmes offered in the University Departments through their departments only. Students shall hand over the copy of online course registration cum examination form to the Head of the Department as per schedule along with online payment of examination fees.
8. Students shall register only for the courses prescribed for the batch of students admitted in 2017-2018 as detailed in this Handbook.
9. Students shall register for all the arrear course (papers) of previous semesters along with current/subsequent semester irrespective of their failure to appear in any of the semester examinations during the course of study.
10. Student's conduct is governed by the Madras University Students Conduct Rules, 2005.

Ragging in any form is strictly prohibited and will be dealt with seriously by the authorities of the University of Madras. University has a proper redressal mechanism in place to deal with ragging. In case of ragging, student will be issued a Transfer Certificate immediately and a police complaint will be lodged to take suitable action as per the Tamilnadu Prohibition of Ragging Act 1997.

Ragging constitutes one or more of any of the following acts:

1. Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;

2. Indulging in rowdism or indisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;
3. Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;
4. Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;
5. Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
6. Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;
7. Any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;
8. Any act or abuse by spoken words, e-mails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student;
9. Any act that affects the mental health and self-confidence of a fresher or any other student.

As per the UGC recommendations:

“If any incident of ragging comes to the notice of the, authority, the concerned student shall be given liberty to explain and if the explanation is not found satisfactory, the authority would expel the student from the institution”.

IV. UNIVERSITY OF MADRAS: A PROFILE

One of the oldest Universities in India, the University of Madras is entering 160th year of its existence in 2017-2018. The University of Madras, organized on the model of London University, was incorporated on 5th September 1857 by an Act of the Legislative Council of India. The University has as its motto '*Doctrina Vim Promovet Insitam*' meaning '*learning promotes (one's) innate talent*'.

The University which had only 17 University Departments, 30 teachers and 69 research scholars in 1912, has grown into a large teaching-cum-affiliating University with 18 Schools and 87 Departments of post-graduate teaching and research and 116 Affiliated Colleges, with 3 approved Institutions (OT), 5 approved Institutions (Diploma/Certificate Courses), 15 stand alone Institutions (MBA/MCA), and 52 approved research Institutions by 2016. The research and teaching functions of the University were enhanced by the Report of the Sadler Commission and the gains were consolidated by the enactment of the Madras University Act of 1923, which governs the University with subsequent amendments made from time to time.

An idea of the strides made by the University can be had from the number of University Departments / Colleges that have received special recognition by the national and funding agencies.

• U.G.C. Centres for Advanced Studies	03
• UGC Departments of Special Assistance	12
• DST FIST Departments	18
• U.G.C. COSIST	02
• U.G.C. ASIHSS	02
• U.G.C. Innovative Centres	06
• Number of autonomous colleges	23

Number of colleges recognized as colleges with

• Number of colleges recognized as colleges with Potential for Excellence	02
• Number of University Departments	87
• Number of Affiliated Colleges	116
• Number of approved Research Institutions	51

The University has signed MOUs with 99 foreign and 25 Indian Universities and also with 21 Industry/Service Organizations. Nearly 141 sponsored research projects funded by various agencies are being carried out in the University departments. The National Assessment and Accreditation Council (NAAC) again reaccredited the University at the 'A' level in 2014. The University of Madras was also one among the first five universities in the country to receive recognition from the University Grants Commission as a 'University with Potential for Excellence'.

In the nearly 159 years of its existence, the University has made significant contributions to the cause of higher education and research in the country. Many of the alumni who have come out of the portals of the University of Madras and who have made significant contributions to science and society: Sir C.V. Raman, Prof. S. Chandrasekhar, Dr. S. Radhakrishnan, Dr. G. N. Ramachandran, Prof. Neelakanta Sastri, Dr.T.M.P. Mahadevan, Dr. C.N. Annadurai and among others.

The University offers Distance Education Programmes in many disciplines through the Institute of Distance Education. The UGC – Human Resource Development Centre of the University conducts Refresher and Orientation programmes for College and University teachers.

The University has been a pioneer in many respects in terms of innovation in higher education. As one of the three oldest universities in the country and as an institution which has given birth to practically every University in the Southern states, the University of Madras is conscious of its moral obligation to play a pro-active leadership role for quality in the Indian higher education system. The University continues to strive to contribute to the higher education and research goals of the nation with an awareness of its glorious past and noble traditions and the need for maintaining a high quality and excellence in all its future activities.

LOCATION

The University of Madras is spread over six campuses, viz., Tholkappiar (Chepauk), Parithimar Kalaignar (Marina), Maraimalai (Guindy), Sekhizhar (Taramani), Bharathiar (Chetpet) and Elango adigal (Maduravoyal). The main campus of the University of Madras is located in Tholkappiar Valagam (Chepauk). The stately and historic Senate House, the Library building with its imposing clock tower, the spacious Centenary Auditorium, the massive Centenary Building are some of the important buildings of the University campus at Chepauk. Most of the Science departments are located in the Guindy Campus of the University. The campus at Taramani houses the Dr. A. Lakshmanaswamy Mudaliar Post-Graduate Institute of Basic Medical Sciences. The Oriental and Indian languages departments, the Post-graduate Hostel for Men and the University Guest house are located in the Marina Campus. The University Union for Sports and its pavilion are on the Spur Tank Road in Chetpet Campus. The Botanical Garden of the University is located in the Maduravoyal campus.

STUDENTSHIP OF THE UNIVERSITY

The Studentship of the University of Madras is open to all without distinction of nationality, race, religion, community or sex. Foreign students intending to join the University are advised to write to the Director, University Students Advisory Bureau (USAB), University of Madras, Chepauk, Chennai 600 005 at least by May of the calendar year for appropriate action.

CITIZENS' RIGHTS

The University of Madras recognizes that every citizen, and especially the student, has the following rights:

- The right to be informed
- The right to choose
- The right to be heard
- The right for redressal
- The right to healthy environment
- The right to have access to higher education

These rights are adhered to by the Departments of the University and by the affiliated colleges.

STUDENT SUPPORT SERVICES

The University offers a number of student support services. These include the Library, Hostel accommodation, Endowments and Scholarships, 'Earn while you Learn Scheme', University Students Advisory Bureau, SC/ST Cell, NSS and NCC activities and avenues for Sports and Games.

UNIVERSITY LIBRARY SYSTEM

Many of the Departments of the University have their own library collections. Besides, all the campuses of the University are served by large libraries. Computer based information services have been introduced. The Main Library of the University is located at its Tholkapiar Campus. Besides maintaining a collection of print materials, the University Library system also maintains a collection of E-resources on CDs and also subscribe to over four thousand e-journals under U.G.C.'s INFONET programme.

The working hours of the libraries are as below:

University Library, (Chepauk) (Tholkappiar Valagam)	:	8.00 A.M. to 8.00 P.M. <i>on all days.</i>
Guindy Campus library (Maraimalai Valagam)	:	8.00 a.m. to 8.00 p.m. <i>on all working days &</i> <i>from 10.00 a.m. to 4.30 p.m. on holidays</i>
Taramani Campus Library (Sekhizhar Valagam)	:	9.00 a.m. to 6.00 p.m. <i>on all working days.</i>
Marina Campus Library (Parithimar Kalaiginar Valagam)	:	10.00 A.M. to 5.45 P.M. <i>from Monday to</i> <i>Friday (Excluding public holidays)</i>

INTERNET CENTRE

The University operates *Internet* Centres in all the campuses. The internet centres are open to all the students of the University departments.

STUDENT HOSTELS

Limited accommodation is available to needy and deserving students in the following six hostels maintained by the University

Mother Theresa Hostel for Women/ Chepauk Campus

Thiruvalluvar Hostel for Men/ Marina Campus

Bharathiar Hostel for Men/ Guindy Campus

Avvai Hostel for Women /Guindy Campus

Bharathidasan Hostel for Men / Taramani Campus

Dr.Muthulakshmi Reddy Hostel for Women/ Taramani Campus

The hostels provide basic amenities including a common lounge with television, radio, newspapers and magazines.

INTERNATIONAL CENTRE OF MADRAS UNIVERSITY (ICOM)

The University of Madras established the International Centre of Madras University (ICOM) in 2003 in consonance with UGC's X Plan programme on Promotion of Indian Higher Education Abroad (PIHEAD) in fulfillment of its policy evolved to promote the free flow of students from other nations to India, as well as allow Indian students to get educated in other nations. The primary motto of the ICOM is to provide educational excellence and culturally appropriate ambience to all international students.

The ICOM students are advised to contact the Director, ICOM, University of Madras for admission to the courses they are interested in.

On being admitted and after paying the prescribed eligibility fee, the Students Coordinator's office at University Student Advisory Bureau (USAB) first scrutinizes the original credentials of the foreign students who are aspiring to pursue either higher programmes or do specialized courses (papers) and then issues eligibility certificates. If it is an Under Graduate programme, with eligibility certificate, a student is directed to go to any of the affiliated colleges according to his/her choice. If it is a Post Graduate programme, the student is admitted into the respective University Departments, subject to clearance by the Ministry of Human Resource Development (MHRD) and subject to production of student's visa on paying the prescribed fee.

The ICOM also encourages joint Ph.D. programmes between the Madras University and foreign Universities from where students are hailing.

UNIVERSITY STUDENTS ADVISORY BUREAU (USAB)

The USAB housed in the Chepauk campus of the University offers counseling and career guidance and also offers placement services to graduates and post graduates of the University. USAB organizes exhibitions on careers and vocations. The USAB is responsible for processing applications of foreign students seeking admission to the University. USAB is the authorized body of the University of Madras for attestation of certificates/marks statements of the University students applying for admission to foreign Universities. The other activities include: Issue of Railway Concession Forms (Season Ticket, Vacation, Data Collection and Educational Tour) to the students studying in the University Departments; Organise Science Talent Promotion Scheme for the First year P.G. Students studying in the University Departments; Organize Job oriented Short-term courses for the Unemployed Graduates; Provide Computer Training courses to the Students; Offer coaching classes for

various Competitive Examinations such as UPSC Civil Service Preliminary Examination/TNPSC Group I and II, Staff Selection Commission, UGC NET Examination; Conduct Seminars and Workshops on Career Oriented Courses for the benefit of Graduate/Post Graduate students of the University and the Public; arrange Inter Departmental Cultural Programmes (UNIFEST) for the students in the University Departments; set up cultural Get-together frequently for the International Students studying in the University Departments and affiliated Colleges; celebrate International Women's day with the participation of Women staff and students of University departments and affiliated Colleges.

NATIONAL SERVICE SCHEME (NSS) AND NATIONAL CADET CORPS (NCC)

The NSS Unit of the University organizes regular and special camps related to health and hygiene, literacy, environment, personality development, etc. These camps are usually held in the campuses of affiliated colleges or in the adopted villages. These involve student volunteers in various youth- related seminars, workshops and training programmes. NSS Unit also deputed volunteers to various Inter State Camps, National Integration Camps and also Inter State and National Cultural Festivals.

The NSS students of Madras University area take part in All India Basic Leadership Camps (Boys and Girls), Nau Sainik Camps, All India Competition Camps, Vayu Sainik Camps, Skeet shooting, drill and glider competitions, Para Training courses, Mountaineering courses, Army, Navy, and Air Force training, All India Trekking Expeditions, National Integration Camps, Para Sailing, Flying/Gliding training, etc.

SPORTS AND GAMES

For the promotion of sports, the Madras University Union was formed in the year 1932 at Rutland House, Spur Tank Road, Chetpet, Chennai. The facilities include a pavilion, sports track, athletic track, volley ball court, basket ball court, badminton court, and two tennis courts. Students of the University participate in more than 30 South zone and All India Inter-University sports competitions annually.

SC/ST CELL

A Standing Committee for the welfare of SC/ST has been constituted in the University with the Vice-Chancellor as Chairman to look after the welfare of SC/ST students. A Special Cell for the welfare of students belonging to Scheduled Castes and Scheduled Tribes has been set up. The cell has the responsibilities of receiving, scrutinizing and processing applications from SC/ ST students of University departments for: Tuition fee concession; National overseas scholarship for higher studies abroad; Indian Oil scholarships to SC/ ST students pursuing full time Engineering, Medical and P.G. Degree course in Business Administration / Management in recognized institutions; closely monitor the implementation of the reservation policy of the State Government in admission and hostel accommodation; Collect data from the university departments and affiliated colleges regarding admission of SC/ST students and hostel accommodation SC/ST students may contact the SC/ST Cell, University of Madras, Tholkapiar Valagam for any guidance and redressal of grievances. 100% Tuition fee concession; National Overseas scholarship for higher studies abroad; Indian Oil scholarships to SC/ST students pursuing full time Engineering, Medical and P.G. Degree course in Business Administration/Management in recognized institutions; Closely monitoring the implementation of the reservation policy of

the State Government in admission and hostel accommodation; Collecting data from the university departments and affiliated colleges regarding admission of SC/ST students and hostel accommodation /SC/ST students may contact the SC/ST Cell, University of Madras, Chepauk Campus for any guidance and redressal of grievances.

Fee concession would be given to the SC/ST candidates for Self-Supportive courses offered in the University Departments. These students are entitled for 50% fee concession on Tuition fee, Laboratory fee and Special fee only.

The fees payable by the SC/ST students of other states are not reimbursed by the Govt. of Tamil Nadu, hence other state SC/ST students have to pay the fees in full as levied to other students and later they can get it refunded from their respective State Governments Scholarship.

DIFFERENTLY ABLED STUDENTS

Full fee exempted from payment including examination fee and special fees are provided for the Physically Challenged students in P.G. and M.Phil. programmes in the University Departments of Teaching and Research.

MADRAS UNIVERSITY FREE EDUCATION SCHEME

Tuition and other Fees except Examination Fees for one poor student based on merit and economic status in each P.G. Programme will be provided.

Candidates belonging to SAARC countries are entitled to 40% concession on Tuition Fee only. Sri Lankan Tamil students and Tibetan refugees are eligible to pay Tuition and other course fees on par with the Indian students for all the PG/M.Phil Programmes offered in the University Departments under CBCS Regulations.

EARN WHILE YOU LEARN SCHEME

A novel scheme of 'Earn while you Learn' for Post-graduate students and Research Scholars of the University has been introduced. Under this, deserving students will work as Part-time Laboratory Assistants, Library Assistants, Technical Assistants, and Tutorial Assistants (for M.Phil & Ph.D. Scholars) in the University for a specified number of hours every month. They will receive a suitable monthly remuneration.

ENDOWMENTS

Several medal and prizes for holders in various examinations, for outstanding essays, for thesis are awarded under various Endowments instituted in the University.

SOFT SKILL PROGRAMME

In tune with the goals and vision of the University, the authorities of the University devised new methodology for successfully conducting Soft Skill courses in the four campuses. The University of Madras has been offering the Soft Skills program to all its students. It is mandatory for every student of the University to acquire 8 credits from this program to successfully complete their post graduation degree. The Soft Skills program at the University is a thirty hour module.

REFUND OF FEES

As per the UGC Guidelines, the refund of fees paid by the candidates who have withdrawn before beginning of the classes will be refunded after deduction of Rs.1000/- (Notification F.No.1-3/2007 (CPP II) dated 23.04.2007).

LANGUAGE LABORATORIES

The language laboratory focuses on computer-aided multi-media instruction and language acquisition. This learner friendly mode of language learning enables the students to be self instructional. The laboratory acts as a platform for learning, practicing and producing language skills through interactive lessons and communicative mode of teaching.

INTERNSHIP

Internship is intended to gain practical knowledge related to the study. The duration is for 4-6 weeks for 2 credits and 6-8 weeks for 3 credits and it should be carried out in an organization recommended by the Department during the summer vacation of the first year. A report must be prepared and submitted to the HOD concerned for evaluation and grading.

STUDENTS SAFETY INSURANCE

Compulsory Students Insurance Scheme has been introduced for the students of University Departments of study and research.

RAGGING REDRESSAL COMMITTEE

University has zero tolerance for any kind of ragging which will cause any inconvenience to students in academic institutions. University has appointed a High Level Committee with the Vice-Chancellor as the Chairperson to consider any issue pertaining to ragging in the University Department and affiliated colleges.

WOMEN'S SEXUAL HARASSMENT REDRESSAL CELL

University discourages any form of harassment based on Gender and encourages students to give respect to fellow students without any discrimination. If there is any kind of harassment, the University authorities would deal with the matter severely and accord due punishment. University has constituted a Redressal Cell to oversee complaints regarding any kind of harassment of women.

V. UNIVERSITY CAMPUSES, SCHOOLS AND CONSTITUENT DEPARTMENTS

School Code	Name of the School	Constituent Departments	Location
HIS	School of Historical Studies	1.Ancient History & Archaeology 2.Indian History	Chepauk
SSS	School of Social Sciences	1.Anthropology 2.Criminology 3. Psychology 4. Education 5. Adult & Continuing Education 6. Sociology 7. Social Work 8. Centre for Cyber Forensics & Information Security 9. Counseling Psychology 10. Women Studies	Chepauk
PSI	School of Political and International Studies	1. Anna Centre for Public Affairs 2. Politics and Public Administration 3.UGC-Centre for South and Southeast Asian Studies 4. Defence and Strategic Studies 5. Legal Studies 6. Rajiv Gandhi Chair in Contemporary Studies	Chepauk
ECO	School of Economics	1. Economics 2. Econometrics 3. Dr. Ambedkar Centre for Economic Studies 4. Centre for Population Studies	Chepauk
CIS	School of Information and Communication Studies	1.Journalism & Communication 2. Library & Information Science	Chepauk
PRT	School of Philosophy and Religious Thought	1. Philosophy 2. Saiva Siddhantha 3. Vaishnavism 4. Jainology 5. Christian Studies	Chepauk
		6. Islamic studies	Marina
FPA	School of Fine and Performing Arts	Indian Music	Chepauk
EFL	School of English and Foreign Languages	1. English 2. French & Other Foreign Languages	Chepauk

TDL	School of Tamil and other Dravidian Languages	1. Tamil Language 2. Tamil Literature 3. Telugu 4. Malayalam 5. Kannada 6. Centre for Thirukkural Research 7. Sangapalagai for Tamil Development 8. Centre for Endangered Languages	Marina
SIL	School of Sanskrit and other Indian Languages	1. Sanskrit 2. Hindi 3. Arabic, Persian and Urdu	Marina
BUS	School of Business and Management Studies	1. Commerce 2. Management Studies 3. Centre for Infrastructural Management Studies	Chepauk
MSI	School of Mathematics, Statistics & Computer Science	1. Mathematics 2. Statistics 3. Computer Science	Chepauk
EAS	School of Earth and Atmospheric Sciences	1. Geography	Chepauk
		2. Geology 3. Applied Geology 4. Centre for Natural Hazards and Disaster Studies 5. Centre for Water Resource Management 6. Centre for Environmental Sciences	Guindy
CHE	School of Chemical Sciences	1. Analytical Chemistry 2. Inorganic Chemistry 3. Organic Chemistry 4. Physical Chemistry 5. Energy 6. Polymer Science 7. Material Science	Guindy
PHY	School of Physical Sciences	1. Crystallography and Bio- physics 2. Nuclear Physics 3. Theoretical Physics 4. Central Instrumentation Research & Service Department 5. Network Systems & Information Technology	Guindy
LIF	School of Life Sciences	1. Botany 2. Zoology 3. Biochemistry 4. Biotechnology 5. Bio-informatics 6. Centre for ocean and Coastal Studies 7. Centre for Herbal Sciences 8. Centre for Stem cell Research	Guindy

BMS	School of Basic Medical Sciences	1. Anatomy 2. Endocrinology 3. Medical Biochemistry 4. Genetics 5. Microbiology 6. Pharmacology & Environmental Toxicology 7. Physiology 8. Pathology	Taramani
NSP	School of Nanoscience and Photonics	1. National Centre for Ultrafast Processes 2. National Centre for Nanoscience and Nanotechnology	Guindy
	Department of Physical Education and Sports		Chetpet

Besides Ph.D programme, many of the Departments offer programmes at various levels under the CBCS. The programmes offered include:

- *Master Degree programmes*
- *M.Phil. programmes*
- *PG Diploma programmes*
- *Diploma programmes*
- *Certificate programmes*

DEPARTMENT-WISE PROGRAMMES UNDER CBCS

Department	Programmes offered
Ancient History and Archaeology	M.A. Ancient History and Archaeology M.Phil. Ancient History and Archaeology
Indian History	M.A. Historical Studies M.Phil. Historical Studies
Anthropology	M.A. Anthropology M.Phil Anthropology
Anna Centre for Public Affairs	M.A. Public Administration (<i>Tamil Medium</i>) M.A. Public Affairs M.A. Postmodern Development Administration (5 year integrated course) M.Phil. Public Affairs
Centre for South & Southeast Asian Studies	M.A. South & Southeast Asian Studies M.Phil South & Southeast Asian Studies
Criminology	M.Sc. Criminology and Criminal Justice Science
Centre for Cyber Forensic & Information Security	M.Sc. Cyber Forensic & Information Security
Education	M.Ed. (<i>General</i>) Regular & Self Supportive M.Phil Education P.G. Diploma in Parent Counseling (<i>For School Principals & Teachers</i>)
Adult and Continuing Education	M.A. Lifelong Learning M. A. Human Resource Management (Regular & Self Supportive) M.Phil. Continuing Education Management (<i>Inter-disciplinary</i>) M.Phil Human Resource Management P.G. Diploma in Extension and Development Administration Diploma in Travel & Tourism Management Certificate in Blogging (SS) Certificate in TV News Reading & Compering (SS) Certificate in Web-Page Design (SS) Certificate in Pre-Primary Education (SS) Certificate in NGO Management (SS) Certificate in Hospitality Management(SS) Certificate in Skin Care and Beauty Therapy(SS) Certificate in Women's Studies (SS) Certificate in Funtional English & Public Speaking (SS)
Sociology	M.A. Sociology
Defence and Strategic Studies	M.A. Defence and Strategic Studies M.Phil. Defence and Strategic Studies

Politics and Public Administration	M.A. Political Science M.A. Public Administration M.A. International Relations M.Phil Public Administration M.Phil Political Science M.Phil International Relations
Economics	M.A. Economics(Indian Economics) M.Phil Economics
Econometrics	M.A. Econometrics M.A. Financial Economics M.Phil. Applied Economics
Dr. Ambedkar Centre for Economic Studies	M.Phil. Development Economics P.G. Diploma in Ambedkar Thoughts
Philosophy	M.A. Indian Philosophy M.A. Buddhism M.A. Yoga : Theory and Practice M.Phil Philosophy P.G. Diploma in Peace & Communal Harmony
Journalism and Communication	M.A. Journalism & Communication M.J. Online Media M.Phil Communication
Saiva Siddhanta	M.A. Comparative Religion and Philosophy with Specialization in Saiva Siddhanta Studies, M.A Śaiva Siddhānta, Śaiva Āgamas and Pannirutirumurai Classics M.Phil. Saiva Siddhanta P.G. Diploma in Saiva Siddhanta
Vaishnavism	M.A. Vaishnavism M.A. Divyaprabandham M.Phil Vaishnavism
Christian Studies	M.A. Comparative Religion and Philosophy with Specialization in Christian Studies M.A. Christian Scriptures M.Phil. Christian Studies P.G. Diploma in Ethics and Human Resource Management P.G. Diploma in Ethics and Biotechnology P.G. Diploma in Spirituality and Counselling P.G. Diploma Biblical Languages & Interpretation Certificate in Christian Scriptures and Interpretation
Jainology	M.A. Jaina Studies M.Phil Jaina Studies Diploma in Jaina Temple Management Diploma in Buddhist Studies Certificate in Buddhist Studies

JBAS Centre for Islamic Studies	M.A. Islamic Studies M.Phil. Islamic Studies
English	M.A. English M.Phil. English P.G. Diploma in Technical writing
French & Other Foreign Languages	M.A. French M.Phil French Diploma in French Diploma in German Diploma in Italian Diploma in Spanish Certificate in French Certificate in Germany Certificate in Italian Certificate in Spanish
Hindi	M.A. Hindi M Phil. Hindi P.G. Diploma in Functional Hindi & Translation (part Time) Diploma in Hindi Certificate in Hindi
Kannada	M A .Kannada M Phil. Kannada Diploma in Kannada Certificate in Kannada
Malayalam	M.A. Malayalam M.Phil. Malayalam Diploma in Malayalam Certificate in Malayalam
Tamil Literature	M.A. Tamil Literature and Culture M.Phil. Tamil Literature P.G. Diploma in Manuscriptology and Editing P.G. Diploma in Folkloristics and Mass Media P.G. Diploma in Inscription and culture P.G. Diploma in Linguistics
Tamil Language	M.A. Tamil Studies M.Phil. Tamil Studies
Telugu	M.A. Telugu M.Phil. Telugu (F.T. & P.T.) Diploma in Telugu Certificate in Telugu

Arabic, Persian and Urdu	M.A. Arabic M.A. Urdu M.Phil. Arabic M.Phil. Urdu Diploma in Arabic Diploma in Urdu Certificate in Arabic Certificate in Urdu
Indian Music	M.A. Indian Music M.A. Bharathanatyam (Self-Supportive) M.A. Folk Music M.A. Rhythmology M.Phil. Indian Music (F.T. & P.T.) Diploma in Teaching Methodology- Abhinaya & Nattuvangam(ss) Diploma in Teaching Methodology in Music (SS)
Sanskrit	M.A. Sanskrit M.A. Applied Sanskrit M Phil Sanskrit M Phil Applied Sanskrit P.G. Diploma in Yoga Therapy (P.T.) Diploma in Manuscriptology (P.T.) Certificate in Yoga (P.T.)
Legal Studies	M.L. (i) International Law and Organisation * (ii) Constitutional Law and Legal Order * *M.L. Courses offered in alternate years
Commerce	M.Com. International Business and Finance M.Phil Commerce Diploma in Internal Audit P.G. Diploma in Banking & Finance
Management Studies	M.B.A. (Regular & Self-Supportive)
Library and Information Science	Master of M.Lib.I.Sc Library and Information Science P.G. Diploma in Digital Library Management
Psychology	M.Sc. HRD Psychology (Regular & Self-Supportive) M.Phil Psychology P.G. Diploma in Counseling Psychology P.G. Diploma in Organisational Development & Management of Change
Counselling Psychology	M.Sc. Counselling Psychology M.Phil. Counselling Psychology Certificate Course in Counselling Psychology
RIAS in Mathematics	M. Sc. Mathematics (Regular & Self-Supportive) M.Phil. Mathematics
Statistics	M.Sc. Statistics M.Sc. Actuarial Science (Self-Supportive)

Computer Science	M.C.A (3 YEARS) M.Sc. Computer Science (Self-Supportive) M.Phil Computer Science
Geography	M. Sc. Applied Geography M.Sc. Geoinformatics (Private Study) M.Tech Geoinformatics
Geology	M. Sc. Geology M.Phil. Geology
Applied Geology	M. Sc. Applied Geology M.Phil. Applied Geology
Analytical Chemistry	M. Sc. Analytical Chemistry M.Phil. Analytical Chemistry
Inorganic Chemistry	M.Sc. Inorganic Chemistry M.Phil. Inorganic Chemistry
Organic Chemistry	M. Sc. Organic Chemistry M.Phil. Organic Chemistry
Physical Chemistry	M. Sc. Physical Chemistry M.Phil. Physical Chemistry
Polymer Science	M. Sc. Polymer Chemistry
CAS in Crystallography and Biophysics	M.Sc. Biophysics
Theoretical Physics	M.Sc. Physics M.Phil. Theoretical Physics
Nuclear Physics	M.Sc. Physics M.Phil. Physics
Central Instrumentation & Service Research Laboratory	M.Phil. Scientific Instrumentation
Network System & Information System	M.Phil. Network & Information Technology
National Centre for Nanoscience & Nanotechnology	M.Sc. Nanoscience & Nanotechnology M.Tech Nanoscience & Nanotechnology
Energy	M.Sc. Energy & Material Sciences
Biochemistry	M.Sc. Advanced Biochemistry M.Phil. Biochemistry
Biotechnology	M.Sc. Biotechnology (Regular & Self- Supportive)
CAS in Botany	M.Sc. Botany M.Phil. Botany P.G. Diploma in Taxonomy of Algae P.G. Diploma in Taxonomy of Fungi
Zoology	M.Sc. Zoology (Special) M.Phil. in Zoology P.G. Diploma in Molecular Cell Biology and Stem Cell Technology P.G. Diploma in Immunotechnology P.G. Diploma in Clinical Embryology

Medical Biochemistry	M. Sc. Medical Biochemistry
Genetics	M. Sc. Biomedical Genetics
Microbiology	M.Sc. Medical Microbiology (Three years)
Endocrinology	M.Phil. Endocrinology
Pharmacology & Environmental Toxicology	M.Sc. Toxicology M.Phil. Environmental Toxicology
Anatomy	M.Sc. Anatomy (Three Years) M.Sc. Neuroscience (Self Supportive)
Physiology	M.Sc. Physiology (Three years)
National Centre for Ultrafast Processes	M.Sc. Photonics and Biophotonics
Physical Education and Sports	M.Sc. Yoga M.Phil in Physical Education & Yoga P.G. Diploma in Yogic Education

VII. CHOICE BASED CREDIT SYSTEM (CBCS) REGULATIONS CBCS SYSTEM

Choice-Based Credit System is a flexible system of learning. The distinguishing features of CBCS are the following:

- It permits students to learn at their own pace
- Choose electives from a wide range of elective courses offered by the University departments with consulting Department Faculty Members
- Undergo additional courses and acquire more than the required number of credits
- Adopt an inter-disciplinary and intra-disciplinary approach in learning, and
- Make best use of the expertise of available faculty

General Eligibility conditions for admission to Masters Programme through formal education as per the UGC Regulations, 2003.

No student shall be eligible for admission to a Masters degree programme in any of the faculties unless he/she has successfully completed a three year undergraduate degree or earned prescribed number of credits for an undergraduate degree through the examinations conducted by a University /autonomous institution or possesses such qualifications recognized by the University of Madras as equivalent to an undergraduate degree.

1. SCHOOLS, DEPARTMENTS AND PROGRAMMES

1.1 There are 87 Departments of study and research in the University which are grouped into 18 schools. Most of these departments offer programmes at various levels under the CBCS.

2. COURSES

2.1 A programme consists of a number of courses. A 'Course' is a component (a paper) of a programme. Every course offered by any University department is identified by a unique course code. A course may be designed to involve lectures / tutorials / laboratory work/ seminar / project work / practical training / report writing / Viva voce, etc or a combination of these, to meet effectively the teaching and learning needs and the credits may be assigned suitably.

3. SEMESTERS

- 3.1 An academic year consists of two semesters. Odd Semester (I and III Semesters): July to November Even Semester (II and IV Semesters): December to April
- 3.2 A semester normally extends over a period of 15 weeks. Each week has 30 hours instruction spread over a 5 day week.

4. CREDITS

- 4.1 Credit defines the quantum of contents/syllabus prescribed for a course and determine the number of hours of instruction required per week. Thus, normally in each of the courses, credits will be assigned on the basis of the number of lectures/tutorial laboratory work and other forms of learning required to complete the course contents a 15 week schedule:

- 1 Credit=1 hour of lecture per week (1Credit course=15 hours of lectures per semester)
- 3 credits = 3 hours of instruction per week (3 Credit course = 45 hours of lectures per semester)

Instructions can take the form of lectures/tutorials/laboratory work/fieldwork or other forms. In determining the number of hours of instruction required for a course involving laboratory/field-work, 3 hours of laboratory/ field work is generally considered equivalent to 1 hour of lecture.

5. COURSE NUMBERING

Every course offered by any University Department is identified by a unique course code.

Illustration

EAS C 001	Geomorphology	L	T	P	C
		3	0	0	3

In this example:

EAS C 001 is the course code in which:

EAS - is the school code (School of Earth and Atmospheric Sciences)

C - indicates that this is a Core Course

001 - is the serial number of the Course

Geomorphology - is the title of the Course

The figures under *L*, *T* and *P* indicate the credits attached to lectures, tutorials and practical work respectively.

The figure under *C* indicates the total number of credits that the course carries (3 credits in this case).

6. ADMINISTRATION OF CBCS

6.1 CBCS OFFICE

To discharge the responsibilities of CBCS programmes of the University, there is an exclusive administration wing called CBCS Office. The CBCS Office has the following functions:

Advertisement of CBCS programmes, Approval of Admission of Students made by Departments, Course Registration, issue of identity Cards through the respective campus libraries, Coordination of Time Table and preparation of Academic Calendar, Attendance and Consolidation of awards in First Assessment, Second Assessment and the End-Semester Examination and forwarding the consolidated awards lists to the Controller of Examinations for scrutiny and distribution of Grade Cards, Cumulative Grade Cards and Provisional Pass Certificates, Convocation Degree/Diploma etc.

6.2 DEANS

The Dean (Academic) will plan and coordinate all CBCS programmes. The Dean will be assisted by a committee consisting of Chairpersons of Schools. The responsibilities of the Dean (Academic) include:

- Preparation of Academic Calendar and Handbook
- Coordination of Programmes between schools and other external institutions
- Consideration of appeals from students regarding the operational problems relating to CBCS

Dean (Admissions) - The responsibilities of the Dean (Admissions) include:

- Preparation of Prospectus and Admission Application forms for Post- Graduate (Masters), M.Phil., PG Diploma, Diploma and Certificate programmes offered in the University Departments.
- Admission to various courses in the University Departments.
- Coordination of Common Time Tables in consultation with Schools.

Dean (Examinations) - The responsibilities of the Dean (Examinations) include:

- Preparation of Registration-cum-Examination form, Grade/Cumulative Grade sheet and student transcripts
- Coordination of Common CBCS Examination and Evaluation schedule.
- Coordination with Controller of Examinations and Chairpersons of Schools for publication of results on time.

6.3 BOARD OF STUDIES

6.3.1 There shall be a school committee consisting of all the teachers of all departments of the school. In order to optimize the use of resources and talents, to avoid duplication of courses and, for effective coordination of CBCS programmes within a school; it is headed by a Chairperson.

- 6.3.2 The School Committee will prepare the common time table in consultation with the Director of the Campus.
- 6.3.3 Each school committee will meet at least twice in a semester.
- 6.3.4 Meeting notices for the School Committee will be sent by the Chairperson of the School
- 6.3.5 The School Committee will also serve as the Board of Studies for all the Programme offered by the various departments of the school. The Chairperson of the School will be the Chairperson of the Board of Studies. The Board of Studies will formulate and recommend:
- i. *Eligibility criteria for admission to CBCS Programmes*
 - ii. *Curriculum Content*
 - iii. *Model Question Papers for each course and assessment procedure*

6.4 DEPARTMENTAL COMMITTEE

- 6.4.1 There shall be a Departmental Committee (as stipulated by the authorities) consisting of the teachers of the Department. The Departmental Committee shall be responsible for admission to all the programmes offered by the Department including conduct of entrance tests, verification of records, admission, and evaluation.
- 6.4.2 The Departmental Committee will deliberate on courses and specify the distribution of credits semester-wise and course-wise. For each course it will also specify the number of credits for lectures, tutorials, practicals, seminars etc.
- 6.4.3 Courses (Core/Elective) are designed by teachers and approved by the Departmental Committees. Courses approved by the Departmental Committees shall be approved by the Board of Studies.
- 6.4.4 Course Instructor: A teacher offering a course will also be responsible for maintaining attendance and performance sheets of all the students registered for the course.
- 6.4.5 Each teacher offering a course will give the attendance and performance sheets for Sessional Test I, Sessional Test II and End-Semester Examination to the Head of the Department who in turn consolidates all such performance sheets of courses pertaining to the programmes offered by the department. Then the School Committee meets to finalize the results of all courses offered under the school and forward the same to be processed by the Dean/CBCS office/Controller of Examinations.

7. STUDENT ADVISOR

Every student will have a member of faculty of the Department as his/her student advisor. All teachers of the department shall function as Student Advisors and will have more or less equal number of students. The Student Advisor will advise the students in choosing Elective courses and offer all possible student support services.

8. PROSPECTUS AND HANDBOOK

- 8.1 The Prospectus uploaded in the University website (www.unom.ac.in) for the Master/M. Phil. and other programmes contains (i) A profile of the University of Madras (ii) List of Schools of the University and programmes offered in university departments (iii) Eligibility Conditions for various programmes (iv) Fee Structure (Course and Examination fee).
- 8.2 The soft copy of the CBCS Handbook mailed to students contains (i) CBCS Regulations (ii) Complete List of Courses (Programme-wise) and (iii) the Academic Calendar for two years.

9. STRUCTURE OF MASTER PROGRAMME

The term '*Master Programme*' is used to denote M.A., M. Sc., M.J., M.Com., M.B.A., M.C.A., M.Ed., M.L. and M.Tech. degree programmes offered by University Departments under CBCS.

A Master Programme consists of:

- *Core courses*
- *Elective courses*
- *Self-Study Courses (Optional, Not mandatory)*
- *Soft Skills*
- *Internship*

A course may also take the form of a Dissertation/Project work/ Practical training/Field work/Internship/Seminar, etc.

A Core course may carry 2 to 4 credits; an Elective/Self-study will be 3 credits and courses on soft skills will carry 2 credits. However, a dissertation / project work may carry up to 6 credits; a semester - long field work may carry 10 -15 credits.

9.1 COMPONENTS

All Two - year Master programmes will have the following components, viz .

<i>Core Courses</i>	- <i>Minimum 60 credits</i>
<i>Electives</i>	- <i>Minimum 21 credits</i>
<i>Self-study courses</i>	- <i>Maximum 9 credits (3 x 3 credits) (not mandatory)</i>
<i>Soft Skills</i>	- <i>Minimum 8 credits</i>
<i>Internship</i>	- <i>Minimum 2 credits</i>

In order to qualify for a two-year Master Degree a Student must acquire a minimum of 91 credits - 60 credits from core, 21 credits from electives and a minimum of 10 credits from soft skills and internship (8 credit from soft skills, 2 credits from internship). The three year Master programme (e.g. M.Sc./MCA) will have following components viz,

<i>Core Courses</i>	- <i>Minimum 90 credits</i>
<i>Elective Courses</i>	- <i>Minimum 30 credits</i>
<i>Self - study Courses</i>	- <i>12 credits (4x3 credits) (not mandatory)</i>
<i>Soft skills</i>	- <i>Minimum 12 credits</i>
<i>Internship</i>	- <i>Minimum 3 credits</i>

In order to qualify for a three - year Masters Degree a student must acquire a minimum of 135 credits from Master Degree.

Five year Integrated Programme :

Core	:	130
Elective	:	24
Allied	:	24
Language	:	24
Soft skill	:	20
Internship	:	03
Extension Activities	:	01
Environmental Studies:		02
Value Education	:	<u>02</u>
Total	:	<u>230</u>

9.2 DURATION

- The minimum duration for completion of a two year Master Programme in any subject is four semesters. The maximum period for completion is Ten semesters counting from first semester.
- The minimum duration for completion of a three year Master Programme in any subject is six semesters. The maximum period for completion is Twelve semesters counting from first semester.
- Even if a candidate earns the required number of credits in less than 4 / 6 semester he/she has to necessarily study for 4 semesters for the two years Master programme and for 6 semesters for a three year Master programme.

9.3 CORE COURSES

Core courses are those, knowledge of which is deemed essential for students registered for a particular Master programme. Where feasible and necessary, two or more programmes offered by the same department/school or courses offered by other departments may be prescribed as one or more common core courses. A student must choose from the core courses prescribed for a particular Master Programme. Core courses shall be spread over all the four semesters.

9.4 ELECTIVE COURSES

Elective courses are intended:

- Allow students to specialize in one or more branches of the broad subject area
- Acquire knowledge and skills in a related area that may have applications in the broad subject area (or)
- Bridge any gap in the curriculum and enable acquisition of essential skills (e.g. statistical computational, language, communication skills, etc.) or
- Help pursue an area of interest to the student

9.5 SELF-STUDY COURSES

- A Department may also allow students to choose three additional courses to enable them to acquire extra credits through self-study (not to be taken into account for awarding grades/class).

- The course will be in advanced topics in a subject (core or elective) under the supervision of a faculty member. The student shall be required to make a minimum of two seminar presentations (as sessional tests for assessment) and submit a project report. There shall be a viva - voce examination on the report; the distribution of marks for the project report and viva -voce shall be 40 and 20 respectively.

9.6 AUDITING

Students will be permitted to audit two courses without assigning any credits. It is left to the discretion of the individual faculty member to permit students.

9.7 SOFT SKILL AND INTERNSHIP

Courses in soft skills such as

(i) *Communication Skills*

(ii) *Spoken English*

(iii) *Knowledge of an additional Foreign Language*

(iv) *Computer Skills*

(v) *Personality Development*

will enhance the professional competency and also increase the employment prospects of the students.

The soft skill courses will be of two or three levels (e.g. basic, advanced). A student must not choose a course on soft skill closely related to his/her Master programme. The Department Committee will decide which of the courses on soft skills are closely related to the Master programme(s) of the department.

Internship is intended to gain practical knowledge related to the study. The duration is for 4-6 weeks for 2 credits and 6-8 weeks for 3 credits and it should be carried out in an organization recommended by the Department during the summer vacation of the first year.

A Report must be prepared and submitted to the HOD concerned for evaluation and grading.

The Soft skill courses are

UOMS001	-	Arabic for Beginners
UOMS002	-	Basic Managerial Skills
UOMS003	-	Business Communication Skills
UOMS004	-	Computing Skills
UOMS005	-	Essential Spoken and presentation Skills in English
UOMS006	-	French for Beginners
UOMS007	-	German for Beginners
UOMS008	-	Hindi for Beginners
UOMS009	-	Kannada for Beginners
UNOMS010	-	Malayalam for Beginners
UNOMS011	-	Personality Development
UNOMS012	-	Principles and Practice language and Communication English
UNOMS013	-	Sanskrit for Beginners
UNOMS014	-	Scientific Writing
UNOMS015	-	Tamil for Beginners
UNOMS016	-	Telugu for Beginners
UNOMS017	-	Urdu for Beginners

10. COURSE REGISTRATION

- 10.1 After admission to a Programme, a Registration Number will be assigned to every Student by the Department.
- 10.2 Every student must register (in consultation with his/her advisor) for the courses he/she intends to undergo in that semester by applying in the prescribed proforma through online otherwise in triplicate for manual (duly signed by the candidate, student advisor and the HOD), within the deadline notified in the Academic calendar (Title of the Courses are given in the handbook)
- 10.3 A student shall register for a minimum of 15 credits and can register for maximum credits in a semester. However, in the final Semester, a student shall register for a minimum of 10 credits. Late Registration may be permitted by the Dean (Academic) up to two weeks after the commencement of the semester.
- 10.4 Withdrawal from a course is permitted upto one week from the date of registration.
- 10.5 After registration, a student can drop an elective course agreed to earlier and can substitute it by another elective course for valid reasons with the consent of Student Advisor, but before the deadline for withdrawal of courses provided that the candidate will be able to fulfill the required minimum attendance in the substitute course. Withdrawal from a course will not be permitted for those who undergo late registration. Cancellation of a course (Core/Elective/Self-study) may be permitted before the conduct of First sessional test.
- 10.6 From the Second Semester onwards, registration for the courses will be done by students on or before a specified date in consultation with their Student Advisors. A student will become eligible for registration only if he/she has cleared all dues to the Department, during the previous semester.
- 10.7 The courses registered after withdrawal should enable the student to earn a minimum of 15 credits.

11. ATTENDANCE

- 11.1 The teacher handling a course shall be responsible for maintaining a record of attendance of students who have registered for the course.
- 11.2 All teachers shall intimate the Head of the Department at least seven calendar days before the last instruction day in the semester the particulars of all students who have less than 75% attendance in one or more courses.
- 11.3 A candidate who has less than 75% attendance shall not be permitted to sit for the end-semester examination in the course in which the shortfall exists.
- 11.4 However, it shall be open to the Dean (Academic) to grant exemption to a candidate who has failed to obtain the prescribed 75% attendance for valid reasons on payment of prescribed fee and such exemptions shall not under any circumstances be granted for attendance below 65%.

- 11.5 The HOD shall announce the names of all students who will not be eligible to take the End-semester examinations in the various courses and send a copy of the same to Dean's office and CBCS Section. Registrations of such students for those courses shall be treated as cancelled. If the course is a core course, the candidate should register for and repeat the course when it is offered next time.

12. EXAMINATION AND EVALUATION

- 12.1 Evaluation will be done on a continuous basis, three times during each semester. For the purpose of uniformity, particularly for interdepartmental transfer of credits, there will be a uniform procedure of examination to be adopted by all teachers. There will be two sessional tests and one End-semester examination in each course during every semester.
- 12.2 Sessional Test I will be held during the sixth week of the semester for the syllabi covered till then.
- 12.3 Sessional Test II will be held during the eleventh Week for the syllabi covered between seventh and eleventh weeks.
- 12.4 Sessional Tests (of one to two hours duration) may employ one or more assessment tools such as objective tests, assignments, paper presentation, laboratory work, suitable to the course. This requires an element of openness. The students are to be informed in advance about the nature of assessment. **Students shall compulsorily attend the two sessional tests, failing which they will not be allowed to appear for end-semester examination.** A Student cannot repeat Sessional Tests. However, if for any compulsive reason the student could not attend the test, the prerogative of arranging a special test lies with the course teacher. In case of students who could not attend any of the sessional tests due to medical reason or under extraordinary circumstances, a separate test shall be conducted before the End Semester Examinations by the respective faculty member.
- 12.5 The sessional tests will carry 40% (20%+20%) of total marks for the course. The marks of the two Sessional Tests shall be taken into account for the computation of Grade. ***The marks with attendance shall be uploaded in the online mark entry portal of the University within one week after the sessional examination. The portal will be closed after two weeks of the date of the examination.***
- 12.6 There shall be one End-semester examination of 3 hours duration carrying 60% of marks in each course covering the entire syllabus prescribed for the course. The End semester examination is normally a written/laboratory-based examination. The mode of End semester examination and evaluation will be decided by the teacher in consultation with the Departmental Committee. Model Question Paper for each course has to be prepared by the teacher and the same should be forwarded to the Head of Department. ***The end-semester examination time schedule will be prepared by the CBCS section.*** The Head of Department will fix the date for Departmental Committee meeting to finalise the results.

The course faculty must evaluate the answer scripts and submit the results to the Head of the Department before the Departmental Committee meeting.

- 12.7 End-semester Practical examinations shall normally be held before the theory examinations.
- 12.8 Valuation of Project Report / Dissertation and Viva-voce
The distribution of marks for the dissertation will be as below:
- | | | |
|-------------------------|---|-----------|
| Periodical presentation | - | 20 Marks |
| Concise dissertation | - | 60 Marks |
| Viva-voce | - | 20 Marks |
| TOTAL | | 100 Marks |
- 12.9 Evaluation of soft skills will be done on continuous basis as other core and elective courses.

Dissertation/project report will be valued jointly by the supervisor and one more examiner within the Department/University or from outside the University (without any financial commitment on the part of the University) nominated by the Head of the Department. Students may be asked to make a presentation before the faculty members and students.

13. MARKS AND GRADING

The total performance within a semester will be indicated by a Grade Point Average (GPA), and the performance of the programme by Cumulative Grade Point Average (CGPA). Hence CGPA is the real indicator of student's performance. They are calculated by the formulations given below:

$$CGPA = (\sum C_{ni} G_{ni}) / (\sum C_{ni})$$

where, C_{ni} - number of credits of the n th course of the i th semester, G_{ni} - grade points of the n th course of the i th semester

- 13.1 A candidate has to secure a minimum of 50 percent of marks (Two sessional Tests marks plus End- Semester examination mark) in the course taken inclusive of soft skills, to pass in that course. A candidate who has not secured a minimum of 50 percent of marks in a course shall be deemed to have failed in that course.

REDOING THE COURSE

- (a) *Due to not uattending the complete semester*

A student who has failed to attend a complete semester during his Master programme due to some unavoidable reasons could redo at the corresponding semester after due completion of the 2/3 years Master program.

For example, a student who has joined a two year programme in 2016-17 and has completed the first semester and has missed the 2nd semester i.e. even semester during Dec-Apr 2017, due to some unavoidable reasons, he /she can continue with the 3rd and 4th semesters during 2017-18 after approval by the department. He can redo the missed 2nd semester correspondingly in the year 2018-19 i.e. during Dec-Apr 2019 for the completion of his two year program.

- (b) *Due to not attending specific paper(s) in any semester*

A student who has failed to attend a specific paper(s) in any semester (shortage minimum attendance requirement) during his Master programme due to some unavoidable reasons could redo the specific paper at the corresponding semester after due completion of the 2 or 3 years Master's programme.

A student can also redo the paper again in case of poor marks in sessional tests and having difficulty in obtaining the qualifying marks to pass the paper after the end semester.

For example a student who has joined a two year programme in 2016-17 and has completed the first semester but could not attend a specific paper due to some unavoidable reasons, he can continue with the 2nd semester and subsequent semesters. He can redo the missed out specific paper in the corresponding semester i.e 1st semester in the year 2017-18 for the completion of his two year programme.

(c) *Re-do fees*

After the due completion of the master programme, students have to pay a sum of Rs.500/- per paper as re-do fee.

SUPPLEMENTARY EXAMINATION

Supplementary/Instant Examinations is conducted for the students appearing the final semester examinations of the PG degree course as per decision taken by the Syndicate.

Eligible criteria for appearing in the Supplementary/Instant Examinations

1. A candidate who is having only one paper in arrear in the current appearance of Fourth (Final) Semester Examinations of the PG Degree Programme is eligible to appear for the Supplementary/Instant Examination.

Not eligible for the Supplementary/Instant Examinations

- 1 A candidate who is having more than one arrear paper in the current appearance of Fourth Semester for PG Examinations is not eligible for appearing for the Supplementary/Instant Examinations.
- 2 If candidate is having arrear in any other semester and is absent in the current appearance is also not eligible for appearing in the Supplementary/Instant Examinations and also those Candidates who have arrear in Practical/Project are not eligible for the Supplementary/Instant Examinations.
- 3 Candidates who have completed their Programme duration but having arrears are not eligible to appear Supplementary/Instant Examinations.
- 4 Examination fee prescribed for the Supplementary/Instant examinations is as follows:
PG degrees – Rs. 385/- [Examination fee Rs. 300 + Cost of Application Rs.35 + Cost of Statement of Marks Rs.50]
MBA degree – Rs.635/- [Examination fee Rs. 550 + Cost of Application Rs.35 + Cost of Statement of marks Rs.50]”

IMPROVEMENT

There is a scope for improving the grades in papers after the due completion of Master program, by paying a penal fee of Rs. 5000/- and an examination fee of Rs.500/- per paper.

- 13.2 Improvement is allowed only for the end semester examination. Candidates who have passed in theory paper/papers are allowed to appear again for theory paper/papers only once in order to improve his/her marks, by paying the fee prescribed from time to time within a maximum period prescribed thereto 10 semesters counting from his/her first semester of his/her admission. If a candidate improve his/her marks, then his/her improved marks will be taken into consideration for the award of classification only. Such improved marks will not be counted does not show improvement in the marks, his/her previous marks will be taken into consideration.

A student who has obtained the minimum required credits in core, elective, soft skills, and internship will be considered to have passed the Master Programme.

Lapsed Candidates: Master's Programme

A student who has failed to complete his/her master's degree programme with in the stipulated period, viz. maximum period of ten semesters for two years masters programmes and twelve semester for three years master programmes, such a student may be has permitted to complete his/her master's degree programme, by collecting sum of rupees 5000/- as penal fee and rupees 500/- as Re-do fee per paper along with other prescribed fees payable to University of Madras.

NOTE: The students those who are coming under LAPSED PERIOD are not eligible for RANKING.

13.3 GRADING SYSTEM

The term grading system indicates a Ten (10) points scale of evaluation of the performances of students in terms or marks, grade points, letter grade and Class.

- 13.3.1 The marks and the grades obtained in the courses corresponding to the best 81 credits including the best 60 Core credits, the best 21 credits for Electives will be taken into consideration in arriving at the CGPA in the programme (for Two Year Master Programme)
- 13.3.2 The marks and the grades obtained in the courses corresponding to the best 120 credits including the best 90 Core credits, the best 30 credits for will be taken into consideration in arriving at the CGPA in the subject (for Three year Masters Programme).
- 13.3.3 Soft skills are mandatory and a student is required to pass the same. The marks will not be considered for classification purpose.

CONVERSION OF MARKS TO GRADE POINTS AND LETTER GRADE

(Performance in a Paper/Course)

Range of marks	Grade points	Letter grade	Description
PG	PG	PG	PG
90 - 100	9.0-10.0	O	Outstanding
80 - 89	8.0 - 8.9	D+	Excellent
75 - 79	7.5 - 7.9	D	Distinction
70 -74	7.0 - 7.4	A+	Very Good
60 -69	6.0 - 6.9	A	Good
50 -59	5.0- 5.9	B	Average
ABSENT	0.0	AAA	ABSENT

PG: Post Graduate (also for PG Diploma) UG: Under - Graduate (also for Certificate / Diploma).

C_i = Credits earned for course i in any semester.

G_i = Grade Points obtained for course i any semester.

n refers to the semester in which such courses were credited.

FOR A SEMESTER:

$$\text{Grade Points Average [GPA]} = \frac{\sum_i C_i G_i}{\sum_i C_i}$$

Sum of the multiplication of grade points by the credits of the courses
GPA = -----

Sum of the credits of the courses (Passed) in a semester

FOR THE ENTIRE PROGRAMME:

$$\text{Cumulative Grade Point Average (CGPA)} = \frac{\sum_n \sum_i C_{ni} G_{ni}}{\sum_n \sum_i C_{ni}}$$

Sum of the multiplication of grade points by the credits of the entire Programme

CGPA = -----
Sum of the credit of the courses of the entire programme

OVERALL PERFORMANCE

CGPA	Grade	Classification Of Final Result
Masters/M.Phil	PG	Masters/ M.Phil
9.5 - 10.0	O+	First Class - Exemplary *
9.0 and above but	O	
8.5 and above but	D++	First Class with Distinction *
8.0 and above but	D+	
7.5 and above but	D	
7.0 and above but	A++	First Class
6.5 and above but	A+	
6.0 and above but	A	
5.5 and above but	B+	Second Class
5.0 and above but	B	

* Applicable to candidates who have passed the courses prescribed for the programme in the first appearance as per the scheme of examination; otherwise they are eligible for classification only

RANKING

The first two ranks to every Master programme will be decided on the basis of CGPA in the subject (core and elective courses only)

13.3.4 Core- wise Letter grades

The performance of a candidate in a course will be indicated in a letter grade whereas grade point will indicate the position of the candidate in that batch of candidates. A student is considered to have completed a course successfully and earned the prescribed credits if he/she secures a letter grade other than RA .

A letter grade RA in any course implies he/she has to Re-appear for the examination to complete the course.

- 13.3.5 The RA grade once awarded in the grade card of the student is not deleted even when he/she completes the course successfully later, the grade acquired later by the student will be indicated in the grade sheet of the subsequent semester in which the candidate has appeared for clearance of the arrears.
- 13.3.6 A student who secures RA grade in a core course has to pass it compulsorily. A candidate who does not pass a core course in the stipulated period (eight/ ten semesters as the case may be from the year of admission), he/she may be permitted to re-register for the same course or a substitute core course by paying the prescribed fee when it is offered next in consultation with the student advisor.
- 14.3.7 If a student who secures RA grade in an elective wants to change the elective he/she has to register by paying the prescribed fee and attend the classes for that course when it is offered.
- 13.3.8 Any candidate who falls short of the required number of credits for the award of the degree may be permitted to register, by paying the prescribed re-registration fee, for the required number of courses (core or elective) when it is offered.
- 13.3.9 If a student secures RA grade in the Project Work /Dissertation, either he/she shall improve it and resubmit it if it involves only rewriting/incorporating the revisions suggested by the evaluators or the student can re-register by paying the prescribed re-registration fee and complete the same in the subsequent semesters.

13.3.10 GRADE CARD

The Grade Card issued at the end of the semester to each student will contain the following:

1. The marks obtained for each course registered in the semester
2. The credits earned for each course registered for that semester
3. The performance in each course indicated by the letter Grade
4. The Grade Point Average (GPA) of all the courses registered for that semester
5. The Cumulative Grade Point Average (CGPA), the class and grade of all the courses, after completing the programme.

Illustration: CUMULATIVE GRADE STATEMENT

Course Code	Title of the Course	Credits Earned	Marks Secured (Max 100)	Grade Point	Letter Grade	Result
FIRST SEMESTER						
SSSC201	Introduction to Criminology & Criminal Justice Administration	4	55	5.5	B	PASS
SSSC202	Networking Basics	4	86	8.6	D+	PASS
SSSC203	Fundamentals of Information Security	4	50	5.00	B	PASS
SSSC204	Practicals I	4	87	8.70	D+	PASS
SSSE102	Forms of Cyber Crime	3	81	8.10	D+	PASS
SSSE201	Fundamentals of H/W, S/W & Networking	3	83	8.30	D+	PASS

**UNIVERSITY OF MADRAS
CBCS HANDBOOK 2017-18**

SSSE202	Credit Card Fraud	3	68	6.80	A	PASS
UOMS009	French for Beginners I	2	85	8.50	D+	PASS
	Credits earned	25				
Grade Point Average		7.232				
SECOND SEMESTER						
SSSC205	Cyber Crimes in BFSI Sector (Basle II Requirements)	3	61	6.10	A	PASS
SSSC206	E-Mail Security	3	55	5.50	D	PASS
SSSC207	Basics of Cyber Forensics	3	64	6.40	A	PASS
SSSC208	Telecom Frauds	3	71	7.10	D	PASS
SSSC209	Practicals II	4	89	8.90	O	PASS
SSSE104	Financial Crimes	3	60	6.00	A	PASS
FPAE004	Percussion Instruments	3	85	8.50	O	PASS
FPAE109	Learn An Instrument-Keyboard	3	82	8.20	D	PASS
UOMS016	Russian for Beginners	2	96	9.60	D+	PASS
	Credits earned	22				
Grade Point Average		7.018				
THIRD SEMESTER						
SSSC210	Applied Cryptology	4	60	6.00	A	PASS
SSSC211	Advanced Forensic Computing	4	74	7.40	A+	PASS
SSSC212	Advanced Information Security	4	69	6.90	A	PASS
SSSC213	Practicals-III	4	80	8.00	D+	PASS
SSSE204	Cyber Laws	3	69	6.90	A	PASS
UOMS005	Personality Enrichment	2	87	8.70	D+	PASS
UOMS007	Computing Skills Basic-1	2	91	9.10	O	PASS
UOMI001	Internship	2	81	8.10	D+	PASS
	Credits earned	19				
Grade Point Average		7.047				
FOURTH SEMESTER						
SSSC215	Incident Response	4	69	6.90	A	PASS
SSSC216	Governance, Risk & Compliance	4	73	7.30	A+	PASS
SSSC217	Project	4	72	7.20	A+	PASS
SSSE206	Business Continuity Planning and Disaster Recovery Planning	3	81	8.10	B+	PASS
	Credits earned	15				
Grade Point Average		7.326				
Cumulative Grade Point Average		81	7.143	A++	First Class	

14. TRANSPARENCY IN EVALUATION

- 14.1 The system of evaluation shall be transparent and students shall have the right to examine their scored answer scripts of sessional tests and the endsemester examination and seek redressal, if need.

The teacher of a course shall give the attendance and performance sheets for Sessional Test I, [Core and Elective] Sessional Test II and End-Semester Examination and a consolidated mark and grade sheet in hard and soft copy (in the prescribed template software format) to the head of the department who in turn consolidates all such sheets pertaining to the programmes offered by the department.

The course faculty must forward the results of the Elective courses (both hard and soft copy) through the Head of the Department to the Dean (Academic)/CBCS Office on or before the last date prescribed by the University.

The Departmental Committee will pass the results of the core courses. Results of the first and second year students may be passed separately **in order to avoid delay in forwarding the results.**

The Head of the Department shall forward the soft and hard copy of the consolidated mark and grade sheets to the Dean/CBCS office **on or before the last date prescribed by the University.**

- 14.2 After finalization of results by the Departmental Committee for the core courses and elective courses the marks and letter grades and electives awarded to the students in each course shall be announced on the departmental notice board.
- 14.3 In case, any student feels aggrieved, he/she can contact the respective teacher for a second look at his/her performance within one week after departmental notification.
- 14.4 The aggrieved student must be shown his/her answer papers of the endsemester examination by the teacher concerned and the signature of the student must be obtained.

If the teacher feels that the case is genuine, he/she can re-examine and forward the revised grade, if any, to the Dean (Academic) through the Head of the Department with justification for the revision. Revision should be done before the document reaches Dean/Controller of Examinations.

The Dean (Academic) with the permission of the Vice-Chancellor can call all records (Syllabus, question papers, attendance and answer scripts) of any course if there is any written or oral complaint for random check.

- 14.5 The Controller of Examinations will accept the recommendations of the Dean (Academic)/Departmental/Class Committee in respect of the Final Results and will publish the same and issue Grade Cards to the Students within 2-3 weeks after the receipt of the results.

15. MASTER OF PHILOSOPHY PROGRAMMES

- 15.1 Master of Philosophy (M. Phil.) Degree Programme is offered by many departments of the University.
- 15.2 The minimum duration for completion of M. Phil in a discipline is two semesters and the maximum duration is six semesters.

15.3 The M.Phil. Degree is awarded if a student has

- Registered, undergone and secured the required minimum number of credits for the core and elective courses including Dissertation specified in the corresponding programme within the stipulated time;
- Secured the required attendance,
- No dues to the University, Hostel or Library;
- No disciplinary action pending against him/her

15.4 STRUCTURE OF THE PROGRAMME

The M.Phil. Programme consists of:

- Core courses which are mandatory for all students
- Elective courses which students can choose from amongst the courses offered within the department.
- Dissertation (Mandatory)

15.5 THE DISTRIBUTION OF CREDITS

- i. Core Courses - Minimum two courses carrying 5 credits each (10 or more credits)
- ii. Electives carrying 5 credits each - No minimum
- iii. Dissertation - 21 Credits

The total number of credits for core and electives shall be 15. Within this broad framework different M. Phil. programmes may prescribe and adopt one of the following two patterns:

- 2 core courses (10 credits) plus one elective (5 credits)
- 3 core courses (15 credits)

The research topic for the dissertation may be finalized even at the beginning of the M Phil Programme, so that the collection of relevant literature and research design could be completed in the First semester leaving the entire Second Semester for the research work.

The course registration for dissertation shall be in the First semester and a separate registration form shall be used for Registration.

15.6 The departmental committee will specify the credits for core courses (including dissertation and viva-voce) but the minimum will be 36 credits.

15.7 EVALUATION OF THE DISSERTATION

15.7.1 The dissertation shall be jointly valued by the supervisor and one external examiner. The external examiner is to be drawn from:

- i. An affiliated college within the city of Chennai;
- ii. Any accredited institution of higher education and/or research within Chennai

The viva-voce examination on the dissertation shall be jointly conducted by the supervisor and the external examiner. The distribution of marks shall be as under:

- 20% marks for periodical presentation (to be evaluated and awarded by the supervisor)
- 60% marks for the Dissertation
- 20% marks for Viva-voce

15.7.2 The last date for submission of Dissertation shall be 31st August every year without penalty. Those who do not submit the dissertation in time may be given an extension of a maximum of two months with a penal fee prescribed by the University (i.e. up to 31st October). There shall be no further extension of time beyond this period. Any student failing to submit the dissertation within this period will be permitted to submit the dissertation only in the next academic year along with the subsequent batch of students.

15.8 REGULATIONS OF M. PHIL. PROGRAMME

The rules and regulations governing course registration, attendance and discipline of students for M.Phil. Programme shall be the same as for the Master Programme.

15.9 GRADING SYSTEM

The process of evaluation, examination, grading, etc for the M.Phil. programme shall be the same as for Master programme except for the dissertation; However, final semester students of the M. Phil. should be allowed to appear for examinations in any arrear papers in the month of September/October each year.

Lapsed Candidate: M.Phil Programme

The students of M.Phil who have missed the chances to clear the examination in time be permitted to appear for the first semester arrear papers and second semester Dissertation submission by collecting a sum of Rs.12000/- as penal fee and Rs.500/- as redo fee, along with the prescribed examination fees for M.Phil Degree.

Note: The University is not awarding the Rank Certificate to the Research Oriented Programme (i.e) M.Phil /Ph.D.

Illustration: M. Phil. CUMULATIVE GRADE STATEMENT

Course Code	Title of the Course	Credits Earned	Marks Secured (Max 100)	Grade Point	Letter Grade	Result
First Semester						
PSI C141	Research Methodology	5	68	6.80	A	PASS
PSI C143	Strategic Thought	5	70	7.00	A+	PASS
PSI E149	Conflict and Cooperation in South Asia	5	71	7.10	A+	PASS
Grade Point Average				6.986		
Second Semester						
PSI C142	Dissertation & Viva-Voce	21	70	7.00	A+	PASS
Cumulative Grade Point Average						

First Class and "A+" Grade

16. POST-GRADUATE DIPLOMA/DIPLOMA/ CERTIFICATE PROGRAMMES

16.1 The Process of Post Graduate Diploma/Diploma/ Certificate Programmes

The procedures for the P.G. Diploma, Diploma and Certificate Programmes such as course registration etc will be similar to those applicable to the Master programme.

16.2 P. G. DIPLOMA PROGRAMMES

- i. Eligibility: A Graduate
- ii. P.G. Diploma programme may be offered as a full-time programme or as a part-time add-on programme. The number of credits for a P.G. Diploma programme shall be **36 credits**.
- iii. The courses prescribed for a P. G. Diploma programme may be fully independent of the courses for the Masters programme. Alternatively a Department may include some of the courses (core or electives) offered under the Masters programme in the P.G. Diploma programme. The Departmental/ School Committee shall decide on the exact structure and content of the P.G. Diploma programme conforming to the above broad structure.
- iv. The minimum duration of a PG. Diploma programme shall be 2 semesters (Full-time) or 3 or 4 semesters (Part-Time). The maximum period for completion is four semesters for Full-time programmes and six semesters for 3 or 4 semester programmes respectively counting from first semester.
- v. Passing minimum for Post Graduate Diploma programme shall be 50% of marks in each paper/course.

16.3 DIPLOMA PROGRAMMES

- i. A Diploma programme shall carry **18 credits** distributed as under Core Courses - 18 credits
- ii. The minimum duration of a Diploma programme shall be one semester (full-time) or two semesters (Part-time). The maximum period for completion is two semesters for Full-time programmes and four semesters for Part-time programmes counting from first semester.
- iii. Passing minimum for Diploma programme shall be 40% of marks in each paper/course.

16.4 SHORT-TERM CERTIFICATE PROGRAMMES

- i. Certificate programme shall carry **9 credits**.
- ii. The duration of a certificate programme shall be one semester (Part-time) or 10 weeks full-time. The maximum period for completion is two semesters counting from first semester.
- iii. Passing minimum for Certificate programme shall be 40% of marks in each paper/course.

The rules and regulations governing course registration, attendance and discipline of students and distribution of marks for Post Graduate Diploma / Diploma / Certificate Programmes shall be the same as for the Master Programme.

VIII. THE “UNIVERSITY OF MADRAS STUDENTS’ CONDUCT RULES”

1. TITLE AND COMMENCEMENT

- a. These rules may be called the University of Madras Students’ Conduct Rules”.
- b. These rules come into force on 1st July, 2005.

2. APPLICATION

These rules shall apply to every student of the University of Madras i.e. students on roll in the departments of the University and all its-affiliated institutions. However the affiliated Colleges/Institutions are required to adopt the rules in their respective governing bodies.

3. DEFINITIONS

- a. “University” means the University of Madras.
- b. “Head of the Department/Institutions” means the person in-charge of the Department in case of University Department and Principal in case of affiliated Colleges/Institutions in which the student concerned is undergoing the course.
- c. “Student” means any person undergoing any course in the institution including M.Phil and Ph.D.
- d. “Competent Authority” means
 - *The Departmental Committee*
 - *University Disciplinary Committee*
 - *The Syndicate.*

4. STUDENT DECORUM

Every University student is encouraged and expected to evolve, as a responsible citizen with commitment to uphold the dignity and image of the department/ institution of the University in which he/she is undergoing the course.

5. DISCIPLINE

Every student is expected to behave with decorum and honesty by avoiding acts mentioned in clauses below that are considered as acts unbecoming of a student which are punishable as envisaged in student’s conduct rules given in University calendar.

- a. Any form of ragging or eve-teasing
- b. Causing disturbance by noisy and unruly behaviour.
- c. Causing damages to the property of the University/Institution.
- d. Misbehavior in the Public transport system, causing damages to public properties, disrupting traffic or causing annoyance to the public in any form.
- e. Any kind of inducement to any employee of the University/institution expecting undue favour.
- f. Displaying any poster or distributing any pamphlet inside the campus of the University/ institution without the approval of the authorities.

- g. Sending petitions of complaints to outside individuals/ establishments without the approval of the authorities and without exhausting all the available redressal mechanism in the University.
- h. Any other conduct opposed to decency and public morals.

6. DRESS AND IDENTITY CARD

- a. Every student shall wear a decent dress.
- b. Every student should carry his\her identity card on person and it should be shown on demand to any teaching staff or security personnel.

7. USE OF ALCOHOL AND DRUGS

- a. Smoking in the campus is strictly forbidden.
- b. Possession and Consumption of alcohol and illicit drugs inside the premises of University/Institutions is prohibited.
- c. Students found inside the premises of University/Institutions in a state of intoxication are liable for punishment.

8. POLITICAL ACTIVITY

Political activity of any form inside the campuses is punishable.

9. DEMONSTRATIONS AND STRIKES

Students shall not

- a. Indulge in demonstrations and strikes.
- b. Participate in any form of intimidation, coercion or wrongful confinement or any violent activity which will prevent any student, employee or officer/authority of the institution from discharging their duties.

10. JOINING ASSOCIATIONS

Students **shall not join** or continue to be a member of any non- academic association or organization, the object or activities of which are prejudicial to the sovereignty and integrity of India, security of the State, or to public order, decency or morality or the interest of the University / Institution.

11. COLLECTION OF FUNDS

Students shall not raise any fund or make any collection in cash or kind without the prior consent of the authority.

12. CONNECTION WITH PRESS / RADIO / TELEVISION ANY OTHER MEDIA

Students are not permitted to give press/media release without the prior permission of the authorities.

13. PUNISHMENT AND DISCIPLINARY AUTHORITY

- a. No student shall be punished without giving him/her a reasonable opportunity of being heard by the authorities.

- b. Students violating the conduct rules are liable for punishment which includes censure, losing attendance, debar from writing examinations, suspension from the class, imposition of fine, suspension from the University/institution, dismissal and rustication.
- c. The Departmental Committee of the University department/ college shall consider each case of violation of conduct rules and shall take suitable action through unanimous decision. The decision by the departmental committee will be final as far as minor punishment like censure etc. are concerned.
- d. If the act of violation is serious in nature or the decision is not unanimous, the Departmental Committee shall refer the case with its remarks for suitable action to the University Disciplinary Committee / College Disciplinary Committee.
- e. The University/College Disciplinary Committee shall be the competent authority to recommend to the authorities for imposing major punishments like suspension, dismissal and rustication.
- f. The composition of the University/College Disciplinary Committee is as follows:
 1. Dean (Students) -Convener
 2. Head of the respective Department
 3. Dean (Academic)
 4. One lady faculty representative nominated by the Vice Chancellor
 5. One SC/ST faculty representative nominated by the Vice Chancellor
 6. Director of the respective campus.

14. APPEAL / REVISION

The Departmental committee and the University/College Disciplinary Committee are empowered to review the punishment inflicted on a student. The delinquent student can prefer appeal or revision within a period of fifteen days from the date of communication of the order. While reviewing the Departmental Committee will include the Chairperson of the respective School and the University Disciplinary committee will include one more member nominated by the Vice-Chancellor / Principal, as a special invitee.

15. APPELLATE AUTHORITY

The Syndicate shall be the appellate authority for all student disciplinary matters. However, the student shall not appeal to the higher authorities/ Syndicate without first approaching the Departmental / University, disciplinary Committees for review.

The affiliated colleges shall have their own disciplinary committee of similar composition under intimation to the University.

IX. SCHOLARSHIPS

Apart from SC/ST, BC/MBC and National Merit scholarships many other scholarships are available to the students of the University Departments.

1. The Lions International Endowment Scholarship (C&UD) (All Departments – Humanities, Science)
2. Rotary Club of Madras city Endowment Scholarship (C&UD) (All Departments)
3. The Lady Willingdon Peace Endowment Scholarship (C&UD) (M.A. Degree – VII-A, VII-E)
4. Srimathi Sivakama Radhakrishnan Scholarship (C&UD) (Department of Philosophy)
5. The Sir T. Muttuswami Ayyar Endowment Scholarship (C&UD) (Department of Geology & Applied Geology, Physics, M.L.)
6. The Srimathi Padmasani Bai Endowment Scholarship (C&UD) (Department of Indian Music)
7. The K.N. Ayyaayyar Endowment Scholarship (C&UD) (Department of Physical & Physical Chemistry and Maths)
8. The Gokhale Endowment Scholarship (UD&C) (Department of Economics)
9. Sambuvarayar Endowment Scholarship (All Departments)
10. Aringnar Anna Endowment Scholarship(C&UD) (All Departments)
11. Maharaja Sri Ganga Singhji Endowment Scholarship (Department of Anatomy, Genetics, Endocrinology, Physiology, Medical Biochemistry, Microbiology, Pharmacology & Environmental Toxicology).
12. Professor R. Selvam Endowment Scholarship (Department of Medical Bio – Chemistry)
13. A.M.M. Foundation Endowment Scholarship (Department of Sanskrit)
14. IBP Endowment Scholarship (Department of Ambedkar Centre for Economics Studies)
15. Dr. A.L. Mudaliar Silver Jubilee Endowment Scholarships (All Departments)
16. Prof. L. Krishnasamy Endowment Scholarship (Department of Mathematics)
17. The R.Tatachariyar Endowment Scholarship (Department of Kannada & Indian Music)
18. Lady K. Srinivasa Ayyangar Endowment Scholarship (Department of Sanskrit)
19. Shri.A. Nageswara Rao Endowment Scholarship (Department of & Indian Music)
20. Thiru.A.R. Ramasawami Endowment Scholarship (Department of Commerce)
21. The N.C. Vasanthakokilam Endowment Scholarship (Department of & Indian Music)
22. Balaiga Family Endowment Scholarship (Department of Sociology)
23. Barswell Law Endowment Scholarship(Department of Legal Studies)
24. The Sir T. Muttuswami Ayyar Memorial Endowment Scholarship (Department of Legal Studies)
25. Selvi.V. Saraswathi Memorial Endowment Scholarship (Department of Endocrinology)
26. Dasari Narayana Rao Endowment Scholarship (Department of Telugu)
27. Thiru.K.Gopalan Memorial Endowment Scholarship(Department of Organic Chemistry)
28. The V.Rama Ayyangar Endowment Scholarship(College only)
29. Shriman T.A.K. Venkatachariar Endowment Scholarship (Department of Sanskrit)
30. The Marsh Scholarship (C & UD)(Department of Chemistry, Physics) (on rotation)
31. Prof. S. Govindasamy Endowment Scholarship (Department of Bio-Chemistry & Medical Bio-Chemistry)

Madras University Free Education Scheme (MUFES)

Complete fee waiver for one poor student for each programme, based on merit and Economic status (whose parental annual income is less than Rs.2,00,000/-) in each programme. (P.G.)

X. DO'S AND DON'TS UNDER CBCS SYSTEM

The minimum number of credits required for Two Year Master Program is 91 Credits and that of Three Year Program is 135 Credits. For a Two Year Program the 91 Credits are divided into 60 for Core, 21 for Elective and 10 for Soft Skills & Internship.

1. Core courses earmarked by the department are compulsory and students should necessarily take them.
2. Elective courses could be taken from within the Department and/ or outside the Department in consultation with the Student Advisor of the Department. It has been observed that students are rushing to few specified departments and are taking three to four elective courses of no direct relevance, whereby the purpose of electives get defeated. There should be a judicious choices of electives.
3. Students can take more than the prescribed limit of electives. However, best of electives to the tune of 21 credits alone will be considered for the calculation and classification.
4. It is mandatory for the students to take two Sessional Tests before writing the End Semester Examination as marks are based on continuous assessment. Abstention in Sessional test (one or both) will be marked as ABSENT in your mark statement, and the candidate has to redo the course after the completion of 2/3 years of study.
5. Soft Skills are like other Core and Elective papers with sessional and end semester examination. Students have to pass the Soft Skills necessarily but the marks will not be considered for Classification.
6. Internship has to be carried out by the student in an Organization and a report has to be submitted to the department for evaluation. The Department will evaluate and award marks and the corresponding letter grade for the Internship. Student has to pass in the Internship but like Soft Skills marks will not be considered for classification. The place, scope and type of pursuing Internship for 4 - 6 weeks on completion of first year and during the summer vacation could be done in consultation with the Student Advisor/ department faculty.
7. In case a student fails in a core/elective/soft skill paper by securing less than the prescribed minimum marks, he/she will be allowed to write at the end of the semester alone and marks obtained in sessional tests will be carried forward.
8. Redoing a complete course for betterment in the middle of the program is not permitted as it is not feasible to schedule the same.
9. Final Semester students will be allowed to appear for the arrear papers during July/August of every year, so as to help the outgoing students.
10. In each semester students have to register for all core, elective and soft skills. Failure to register and payment of prescribed fee before the deadline could lead to non-inclusion of the same in the marks statement.
11. Ensure that the core, electives and soft skills as approved for the academic year 2017-2018 as given in the Handbook are registered.
12. Students are requested to contact the Student Advisor/Head of the Department pertaining to any confusion regarding the registration of courses.

13. Details pertaining to the grades, marks and conversion table are given on the back of the mark sheet.
14. The Candidates should choose the Elective papers as given in the Hand book of the respective academic years only. The Students need not choose the Senior or Junior batch subjects.
15. The Students can be permitted to withdraw the Elective/Soft Skill papers before the End Semester Examinations are conducted and the same may be informed to CBCS Section for further action.

XI. SCHOOL WISE AND DEPARTMENT WISE PROGRAMMES AND COURSE LIST

SCHOOL OF HISTORICAL STUDIES

The School of Historical Studies consists of Department of Indian History and Department of Ancient History and Archaeology.

The University of Madras created the Department of Indian History and Archaeology as the first faculty of the University in 1914 and it was headed successively by eminent historians like Dr. S. Krishnaswamy Iyengar, Prof. K. A. Nilakanta Sastry and Prof. K. K. Pillay. The Department was bifurcated into Departments of Indian History and Ancient History and Archaeology in 1959. Dr. T. V. Mahalingam a renowned Archaeologist and Epigraphist was the first Professor of Ancient History and Archaeology.

The Department of Ancient History and Archaeology has special interests in Epigraphy and Numismatics, Tamil Culture and Field Archaeology. It offers Masters, M.Phil. and Ph.D. programmes.

The Department of Indian History specializes on Economic History and Urban Studies. It offers Masters, M.Phil and Ph.D. programmes.

FACULTY

Dr. S.S. Sundaram, Ph.D Chairperson

Dept. of Ancient History and Archaeology

Dr. P.D. Balaji, Ph.D Professor & Head
Dr. J. Soundararajan, Ph.D Assistant Professor
Dr. G. Thirumoorthy Assistant Professor

Dept. of Indian History

Dr. S.S. Sundaram, Ph.D Professor & Head
Dr. S. Kuppusamy, Ph.D. Associate Professor

M.A. ANCIENT HISTORY AND ARCHAEOLOGY

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
HISC 001	History of South India up to A.D. 1565.	C	4
HISC 002	Pre and Proto history of India	C	4
HISC 003	Principles and practices of Tourism	C	4
HISC 102	Cultural Heritage of India	C	4
HISE 001	Indian Paintings	E	3
HISE 002	Introduction to Archaeology and Tourism	E	3
HISE 003	Introduction to Archaeology	E	3
	Soft Skill	S	2

II SEMESTER			
HISC 005	History of North India up to A.D. 1206	C	4
HISC 006	Indian Temple Architecture	C	4
HISC 007	Field work and Exploration	C	4
HISE 004	Early Historical Archaeology of Tamil Nadu	E	3
HISE 005	An Introduction to the Cultural History of Tamil Nadu	E	3
HISE 006	Practicals - Study of Museum Objects	E	3
	Soft Skill	S	2
III SEMESTER			
HISC 008	Indian Epigraphy and Palaeography	C	4
HISC 009	Indian Numismatics	C	4
HISC 010	Tourism in India	C	4
HISC 011	Iconography	C	4
HISE 007	Marine Archaeology	E	3
HISE 008	Cultural History of Tamil Nadu up to A.D. 1565	E	3
HISE 009	Dimensions of Archaeological Culture	E	3
HISE 010	Environmental Science and Archaeology	E	3
	Soft Skill	S	2
UOMI 001	Internship	I	2
IV SEMESTER			
HISC 012	Principles and Methods of Archaeology	C	4
HISC 013	Museology	C	4
HISC 014	Cultural Tourism in India	C	4
HISC 015	Excavation and Report	C	8
HISE 011	Science and Archaeology	E	3
HISE 012	Archaeological Conservation	E	3
HISE 013	History of Architecture in Tamil Nadu	E	3
HISE 014	South Indian Sculpture	E	3
	Soft Skill	S	2

M.A. HISTORICAL STUDIES

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
HIS C101	Social and Cultural History of Tamil Nadu	C	4
HIS C102	Cultural Heritage of India	C	4
HIS C103	Economic History of India A.D 1526 – 1857	C	4
HIS C104	Constitutional History of India	C	4
HIS E101	History of Science and Technology in India A.D1858 – 1947	E	3
HIS E102	History of Peasant Movements in Modern India	E	3
	Soft Skill	S	2
II SEMESTER			
HIS C105	Social and Religious Movements in Modern India	C	4
HIS C106	Freedom Movement in India	C	4
HIS C107	Economic History of India A.D 1858 – 1947	C	4

HIS C108	History of Labour Movements in India	C	2
HIS E103	Tourism Principles and Practices	E	3
HIS E104	Environmental History	E	3
	Soft Skill	S	2
III SEMESTER			
HIS C109	History of World Civilizations (Excluding India) Ancient Period	C	4
HIS C110	Intellectual History of Modern India	C	4
HIS C111	Historiography and Methodology	C	4
HIS E105	Studies in Human Rights	E	3
HIS E106	Introduction to Archaeology	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
HIS C112	History of World Civilizations (Excluding India) Medieval and Modern	C	4
HIS C113	Contemporary History of India	C	4
HIS C114	Development of Science and Technology in India since 1947	C	4
HIS C115	Project Work	C	6
HIS E107	India and Her Neighbours	E	3
	Soft Skill	S	2
TOTAL			91

M.Phil. ANCIENT HISTORY AND ARCHAEOLOGY

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
HIS C021	Historiography and Historical Methods	C	5
HIS C022	Development of Archaeological Studies in India	C	5
HIS C023	South Indian Epigraphy	C	5
HIS C024	Tourist Monuments of South India	C	5
II SEMESTER			
HIS C025	Dissertation and Viva- voce	C	21

M.Phil. HISTORICAL STUDIES

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
HIS C121	Historiography and Historical Methods	C	5
HIS C122	Economic History of Modern India	C	5
HIS E121	Constitutional History of India 1858 -1950	E	5
HIS E122	Social & Cultural History of Modern Tamil Nadu 1800 – 1976	E	5
II SEMESTER			
HIS C123	Dissertation and Viva-Voce	C	21

SCHOOL OF SOCIAL SCIENCES

The School of Social Sciences consists of departments of Anthropology, Psychology, Education, Adult and Continuing Education, Sociology and Criminology.

The Department of Psychology was instituted in 1943. In 1948 a full fledged Psychology department was established under the headship of Dr.G.D.Boaz. The department initially focused on children and their education. Later, in 1976, the department turned its attention to Criminology, Applied Psychology, Organizational Psychology and Counseling etc. The Department Library has a vast collection of 2153 books and 15 Journals. The department itself publishes Journal of Psychological Researches and Indian Journal of Applied Psychology. The department offers Post Graduate, M.Phil. and Ph.D. Programmes.

The department of Education was established in 1976, with Dr. E.G.Vedanayagam as Professor and Head. The department specializes in the fields of Management of Education, Curriculum Development, Special Education, Educational Cost Analysis, Work Education, Management of Organisations, Trade Unions, Industrial Employability of mentally retarded, Stress and Conflict Resolution in work environment. The department has an Educational Lab. The department offers Post Graduate, M.Phil. and Ph.D. Programmes.

The department of Adult and Continuing Education was established in 1976 with Dr.R.Jayagopal as Professor and Head to concentrate on Non- formal Education and Population Education. The department researches in the fields of Adult education, Population education, Industrial Training, Project evaluation etc. The consultancy by the department exists in the areas of Industrial Project proposals, Feasibility and evaluation, Industrial/organisation training, Population Education, Women studies, Computer oriented project monitoring and evaluation etc. The department offers Post Graduate and Ph.D. Programmes. From 2013-2014 the nomenclature of the department is changed as lifelong learning.

The Department of Sociology was established in 1976. Initially it was named as the Department of Social Science and Dr. K.K.Pillai, Professor of History was in-charge of the Department. The Department had to its credit the services of Fulbright Prof. Edwin Driver, Prof. Himes, Prof. Krosowisky and Prof. Washburne in the beginning. Prof. Driver instituted in 1966 M.A., Social science with inter-disciplinary orientation. In 1971, Dr.C.A. Permual, Professor and Head of the Department of Politics and Public Administration was incharge of the Department. In 1976, a separate Department of Sociology was started. The main areas of research are as follows : 1. Urban Sociology, 2. Medical Sociology, 3. Gender Studies, 4. Water Management, 5. Industrial Sociology, 6.Rural Sociology and Rural Development, 7. Environmental Studies, 8. Sociology of Development. The department offers consultancy on 1. Development and Displacement, 2. Integration of Sociology in Irrigation Management Education, 3. Irrigation Management, 4. Rural Environment. The department offers Post Graduate and Ph.D. Programmes.

The Department of Anthropology was established in October 1945. The Certificate and Diploma courses in Anthropology were commenced in July 1947 and research programmes in July 1950. The department of Anthropology concentrates on Tribal Studies, Political Anthro pology, Economic Anthropology, Physical Anthropology, Archaeological Anthropology, Folklore etc. It has a Computer Laboratory to do researches on quantitative understanding of social problems. In 1976 the department commenced Post Graduate, M.Phil. and Doctoral programmes.

The Department of Criminology was established in the year 1983. At the conference of the Inspectors' General of Police in 1959, a Diploma in Criminology at the University of Madras was mooted and it was instituted in October 1960. The Psychology department conducted diploma courses in Criminology in the beginning. Since April 1983, the Department of Criminology became separate and independent. The Department of Criminology focuses upon Victimology, Criminal Justice Administration, Human Rights, Juvenile Justice, Correctional Research, Crime Prevention etc. The department has Computer Laboratory facilities. The department offers Diploma, Post Graduate and Ph.D. Programmes

Name of the Chairperson

Dr. M. Srinivasan, Ph.D Chairperson

List of Faculties in the School of Social Sciences

Department of Psychology

Dr. S. Karunanidhi Ph.D Professor and Head
Dr. T. Lavanya Ph.D Associate Professor
Dr. S. Sasikala Ph.D Assistant Professor

Department of Education

Dr. V. Chandra Sekaran, Ph.D Professor & Head
Mrs. M. Ugin Rositta Associate Professor
Dr. A. Shyamala Devi Assistant Professor
Dr. A. Subramanian, Ph.D Assistant Professor

Department of Adult and Continuing Education

Dr. N.Nagarajan, Ph.D Professor & Head
Dr. V.P. Matheswaran, Ph.D Associate Professor
Dr. G. Sundharavadivel, Ph.D Associate Professor

Department of Sociology

Dr. A. Karuppiah, Ph.D Professor & Head
Dr. M.Thamilarasan, Ph.D Associate Professor
Dr. S.T. Akilan, Ph.D Assistant Professor

Department of Social Work

Dr. V.D. Swaminathan, Ph.D Professor & Head i/c.

Department of Women Studies

Dr. V. Bharathi Harishankar, Ph.D Professor & Head

Department of Anthropology

Dr. S. Sumathi, Ph.D Professor & Head
Dr. M.P. Damodaran Associate Professor
Dr. K. Parimurugan Assistant Professor

Department of Centre for Cyber Forensics and Information Security

Dr. N. Kala, Ph.D

Assistant Professor & Director i/c

Department of Criminology

Dr. M. Srinivasan, Ph.D

Professor & Head

Dr. M. Priymavadha, Ph.D

Assistant Professor

Dr. S. Ramdoss, Ph.D

Assistant Professor

Dr. M.D. Allen Selvakumar, Ph.D

Assistant Professor

Dr. S. Latha, Ph.D

Assistant Professor

Department of Counseling Psychology

Dr. S. Thenmozhi, Ph.D

Associate Professor & Head i/c

DEPARTMENT OF ANTHROPOLOGY

M.A. ANTHROPOLOGY

Course Code	Title of the Course	C/E /S	Credit
I-SEMESTER			
SSS C001	Foundations of Social Anthropology	C	4
SSS C002	Archaeological Anthropology	C	4
SSS C003	Ethnology and Comparative Ethnography	C	4
SSS C018	Practical – Archaeological Anthropology	C	3
SSS E001	Indians Overseas	E	3
SSS E002	Qualitative Methods of Research	E	3
	Soft Skill	S	2
II-SEMESTER			
SSS C005	Physical Anthropology	C	4
SSS C006	Methodology of Anthropological Research	C	4
SSS C007	Applied Anthropology	C	4
SSS C019	Practical – Physical Anthropology	C	3
SSS E003	Social Ecology	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2
III-SEMESTER			
SSS C009	Anthropology of Peasant Societies	C	4
SSS C010	Anthropology of Urban and Complex Societies	C	4
SSS C011	Theories of Culture and Social Structure	C	4
SSS E006	Human Biology	E	3
SSS E008	Culture and Management	E	3
	Soft Skill	S	2
IV-SEMESTER			
SSS C015	Economic Anthropology	C	4
SSS C016	Political Anthropology	C	4
SSS C017	Anthropology of Folklore	C	4
SSS E007	Minorities, Scheduled Castes and Scheduled Tribes	E	3
SSS E009	Environmental Anthropology	E	3
SSS C014	Project, Field work, Dissertation and Viva- Voce	C	6
	Soft Skill	S	2

DEPARTMENT OF CRIMINOLOGY

M.Sc.CRIMINOLOGY AND CRIMINAL JUSTICE SCIENCE

Course Code	Title of the Course	C/E/S	Credit
SEMESTER I			
SSS C101	Introduction to Criminal Justice and Society	C	3
SSS C102	Law of Crime	C	4
SSS C103	Fundamentals of Psychology	C	4
SSS C104	General Forensic Science	C	3
SSS C105	Observational Visits to CJS Institutions	C	2
SSS E101	Prevention of Crime and Delinquency	E	3
SSS E102	Cybercrime	E	3
UOMS	Soft Skills	S	2
SEMESTER II			
SSS C106	Theoretical Criminology	C	4
SSS C107	Criminal Procedure and Evidence	C	4
SSS C108	Police Administration	C	4
SSS C109	Advanced Forensic Science	C	3
SSS C110	Human Rights and Criminal Justice System	C	4
SSS E103	Comparative Criminal Justice	E	3
SSS E104	White Collar Crime and Organized Crime	E	3
UOMS	Soft Skill	S	2
SEMESTER III			
SSS C111	Research Methodology	C	4
SSS C112	Basic Statistics and Data Analysis in Social Sciences	C	4
SSS C113	Penology & Corrections	C	4
SSS C114	Forensic Medicine	C	3
SSS E105	Victimology and Victim Assistance	E	3
SSS E106	Abnormal Psychology	E	3
UOM 1001	Internship*	I	3
UOMS	Soft Skill	S	2

- Students are required to complete their Internship at the various criminal justice institutions after the completion of the Second semester (that is, during the summer vacation). The viva-voce will be conducted during the Third semester and the marks secured for Internship will be included in the Third semester Mark Statement.

SEMESTER IV			
SSS C115	Vigilance and Security Management	C	4
SSS C116	NGO Management	C	3
SSS C117	Dissertation	C	3
SSS E107	Social Legislations	E	3
SSS E108	Frauds in Banks and Other Financial Institutions	E	3
UOMS	Soft Skill	S	2

CENTRE FOR CYBER FORENSICS & INFORMATION SECURITY
M.Sc. CYBER FORENSICS & INFORMATION SECURITY

Course Code	Title of the Course	C/E/S	Credits
I SEMESTER			
SSS C201	Introduction to Cyber Criminology	C	4
SSS C202	Introduction to Networking	C	4
SSS C203	Introduction to Information Security	C	4
SSS C204	Practicals- I (Networking & Information Security)	C	3
SSS E201	Fundamentals of Hardware, Software & Cloud Computing	E	3
SSS E202	Fundamentals of Cyber Crimes	E	3
UOM S001	Soft skill		2
II SEMESTER			
SSS C205	Frauds & Countermeasures in BFSI sector	C	4
SSS C206	Email, Mobile Devices Security	C	4
SSS C207	Basics of Cyber Forensics	C	4
SSS C208	Frauds in IT and Telecom Sectors	C	4
SSS C209	Practicals- II – (Cyber Forensics)	C	3
SSS E203	Introduction to Data Privacy	E	3
UOM S002	Soft Skill		2
III SEMESTER			
SSS C210	Database and Application Security	C	4
SSS C211	Advanced Cyber Forensic	C	4
SSS C212	Advanced Information Security & Cryptology	C	4
SSS C213	Practicals – III (Advanced Cyber Forensics)	C	3
SSS E204	Cyber Laws	E	3
SSS E205	Intellectual Property Rights	E	2
UOM I001	Internship		2
UOM S003	Soft Skill		2
IV SEMESTER			
SSS C215	Incident Response	C	4
SSS C216	Governance, Risk & Compliance	C	4
SSS C217	Practicals- IV – Case Study / Project	C	3
SSS E206	Business Continuity Management	E	3
SSS E207	Physical and Environmental Security Management	E	3
UOM S004	Soft Skill		2

DEPARTMENT OF PSYCHOLOGY

M.Sc HUMAN RESOURCE DEVELOPMENT PSYCHOLOGY

SEMESTER I						
Course Code	Title of the Course	C/E	Credit			
			L	T	P	C
SSS C715	Biological Psychology	C	3	1	0	4
SSS C716	Cognitive Psychology	C	3	1	0	4
SSS C717	Theories of Personality	C	3	1	0	4
SSS C718	Experimental Psychology	C	3	1	0	4
SSS E716	Basic Psychology	E	2	1	0	3
SSS E719	Psychology of Adolescence & Young Adulthood	E	2	1	0	3

	Soft Skills	S				2
SEMESTER II						
SSS C701	Psychological Assessment	C	3	1	0	4
SSS C703	Human Resource Development	C	3	1	0	4
SSS C719	Applied Social Psychology	C	3	1	0	4
SSS C720	Guidance and Counselling	C	3	1	0	4
SSS E715	Psychology of Advertising	E	2	1	0	3
SSS E720	Positive Psychology	E	2	1	0	3
	Soft Skills	S				2
UOM I001	Placement/Internship	I				2
SEMESTER III						
SSS C702	Organizational Behavior	C	3	1	0	4
SSS C705	Research Methodology	C	3	1	0	4
SSS C710	Industrial Relations & Labour Law	C	3	1	0	4
SSS C711	Training and Development	C	3	1	0	4
SSS E714	Fundamentals in Psychopathology	E	2	1	0	3
	Elective	E	2	1	0	3
	Soft Skill	S				2
SEMESTER IV						
SSS C721	Organizational Development and Management of Change	C	3	1	0	4
SSS C714	Placement Report and Dissertation cum Viva-Voce*	C	3	1	0	4
	Elective	E	2	1	0	3
	Soft Skill	S				2

*Viva-voce will be conducted by the respective guide and an external examiner for 20 marks

DEPARTMENT OF EDUCATION

MASTER OF EDUCATION (M. Ed) (Regular & Self Supportive)

Note: Compulsory Components

Core Courses	-	60 Credits Minimum
Elective Courses	-	21 Credits Minimum
Soft Skill Courses	-	08 Credits
Internships	-	08 Credits
Total	-	97 Credits Minimum

Course Code	Title of the Course	C /E /S	Cr.
I SEMESTER			
SSS C301	Philosophical and Sociological Bases of Education	C	4
SSS C302	Advanced Educational Psychology	C	4
SSS C303	Education in 21 st Century	C	4
SSS E301	Educational Leadership	E	3
SSS E302	Guidance and Counselling	E	3
UOM S001	Communicative English (Soft Skill)	S	2

II SEMESTER			
SSS C304	Educational Technology and e-learning	C	4
SSS C305	Qualitative Research Methods in Education	C	4
SSS C306	Educational policy, planning and Finance	C	4
SSS E303	Special Education	E	3
SSS E304	Women's Education	E	3
UOM I001	Education Institution- Internship	I	4
UOM S002	Personality Enrichment (Softskill)	S	2
III SEMESTER			
SSS C307	Quantitative Research and Educational Statistics	C	4
SSS C308	Teacher Education	C	4
SSS C309	Educational Measurement and Evaluation	C	4
SSS E305	Educational Administration	E	3
SSS E306	Educational Professionalism	E	3
SSS I002	The Area of Specialisation-Internship	I	4
	Soft Skill	S	2
UOM S003	Writing Skill in Research Proposal and Report Writing	S	2
IV SEMESTER			
SSS C310	Curriculum Designing	C	4
SSS C311	Quality in Education	C	4
SSS C312	Education for Human Values	C	4
SSS E307	Yoga and Health Education	E	3
SSS E308	Economics of Education	E	3
SSS C313	Dissertation and Viva-Voce	C	12

DEPARTMENT OF ADULT & CONTINUING EDUCATION

M.A. LIFE LONG LEARNING (Regular&Self Supportive)

Course Code	Title of the Course	C /E /S	Cr.
I SEMESTER			
SSS C401	Principles of Management and Continuing Education	C	4
SSS C402	Principles of Adult Education	C	4
SSS C403	Continuing Education International Context	C	4
SSS C404	Psychology of Adult Learning	C	4
SSS E401	Life skills Education	E	3
SSS E402	Health Education	E	3
	Soft Skill	S	2
II SEMESTER			
SSS C405	Continuing Education for Different Target Groups	C	4
SSS C406	Population Education	C	4
SSS C407	Curriculum Development	C	4
SSS C408	Planning and Management Training of Continuing Education Programmes	C	4
SSS E403	Human Rights Education	E	3
SSS E404	Gender Studies	E	3
	Soft Skill	S	2

III SEMESTER			
SSS C409	Research Methodology and Statistics	C	4
SSS C410	Communication Techniques	C	4
SSS C411	Open learning: Concept and Development	C	4
SSS C412	Student Counselling and Career Guidance	C	4
SSS E405	Extension Education	E	3
SSS E406	Adolescence Education	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
SSS C413	Non Formal Education & Development	C	4
SSS C414	Entrepreneurship	C	4
SSS C415	Project	C	4
SSS E407	Environmental Education	E	3
	Soft Skill	S	2

M.A. HUMAN RESOURCES MANAGEMENT

Course Code	Title of the Course	C /E /S	Cr.
I SEMESTER			
SSS C601	Managerial Concepts	C	4
SSS C602	Organization Behaviour	C	4
SSS C603	Total Quality Management	C	4
SSS C604	Business Communication	C	4
SSS E601	MIS for HRM	E	3
SSS E402	Health Education	E	3
SSS E405	Extension Education	E	3
	Soft Skill	S	2
II SEMESTER			
SSS C605	Human Resource Management	C	4
SSS C606	Organisational Development	C	4
SSS C607	Management Training and Development	C	4
SSS C608	Legal Framework Governing Human Relations	C	4
SSS E602	Labour Welfare	E	3
SSS E401	Life Skills Education	E	3
	Soft Skill	S	2
III SEMESTER			
SSS C609	Human Resource Development	C	4
SSS C610	Industrial Relation	C	4
SSS C611	Manpower Development for Technological changes	C	4
SSS C612	Research Methods	C	4
SSS E603	Management Accounting	E	3
SSS E407	Environmental Education	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2

IV SEMESTER			
SSS C613	Entrepreneurship and Management in small Business	C	4
SSS C614	Business policy and Strategic Management	C	4
SSS C615	Project – Viva	C	6
SSS E604	Managerial Economics	E	3
SSS E406	Adolescence Education	E	3
	Soft Skill	S	2

DEPARTMENT OF SOCIOLOGY

M.A. SOCIOLOGY

Course Code	Title of the Course	C /E /S	Cr.
I SEMESTER			
SSS C515	Principles of Sociology	C	4
SSS C501	Sociological Theory	C	4
SSS C502	Research Methodology	C	4
SSS C503	Indian Society: Structure and Process	C	4
SSS E501	Environmental Sociology	E	3
	Soft Skill	S	2
II SEMESTER			
SSS C505	Contemporary Sociological Theory	C	4
SSS C506	Social Movements in India	C	4
SSS C508	Sociology of Development	C	4
SSS E502	Social Anthropology	E	3
SSS E011	Social Movements & Change (Extra Disciplinary)	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2
III SEMESTER			
SSS C509	Rural Sociology	C	4
SSS C510	Sociology of Organization	C	4
SSS C516	Indian Social Problems	C	4
SSS C517	Sociology of Health	C	4
SSS E503	Indian Society	E	3
SSS E504	Industrial Sociology	E	3
SSS E012	Human Resource Management (Extra Disciplinary)	E	3
	Soft Skill	S	2
IV SEMESTER			
SSS C512	NGO and Development Practice	C	4
SSS C513	Urban Sociology	C	4
SSS C514	Project cum Viva	C	8
SSS E505	Organizational Behaviour	E	3
	Soft Skill	S	2

DEPARTMENT OF COUNSELLING PSYCHOLOGY

M.Sc. COUNSELLING PSYCHOLOGY

Course Code	Title of the Course	C/E/S	Credit			
			L	T	P	C
I - Semester						
SSS C901	Theory & Practice of Counselling and Psychotherapy-1	C	3	1	0	4
SSS C902	Introduction to Research Methodology	C	3	1	0	4
SSS C903	Life Span Development	C	3	1	0	4
SSS C905	Psychological Assessments	C	3	1	0	4
SSS C904	Biological Foundations of Behaviour -1	C	0	1	3	4
SSS E901	Counselling for Children	E	2	1	0	3
	Soft Skills					2
II - Semester						
SSS C906	Theory & Practice of Counselling and Psychotherapy-II	C	3	1	0	4
SSS C907	Quantitative & Qualitative Research Methods in Counselling Psychology	C	3	1	0	4
SSS C908	Psychopathology	C	3	1	0	4
SSS C909	Counselling & Psychotherapy Practicum	C	0	1	3	4
SSS C910	Family, Marital and Workplace Counselling	C	0	0	0	2
SSS E902	Adolescent Counselling	E	2	1	0	3
SSS E903	Pre-marital Counselling	E	2	1	0	3
UOMI001	Placement/Internship	I				2
	Soft Skills	S				2
III – Semester						
SSS C911	School Counselling	C	2	1	0	3
SSS C912	Introduction to Clinical Psychology	C	2	1	0	3
SSS C913	Psychosocial Foundations of Behaviour	C	2	0	0	2
SSS C914	Psychosocial Rehabilitation and Community Development	C	3	1	0	4
SSS E904	Psychodrama	E	2	1	0	3
SSS E905	Addiction Counselling	E	2	1	0	3
	Soft Skills					2
IV - Semester						
SSS C915	Clinical Training and Supervised Clinical Practicum	C	0	1	3	4
SSS C916	Project Dissertation	C	0	2	4	6
SSS E906	Career Counselling	E	2	1	0	3
SSS E907	Crisis Intervention and Trauma Counselling	E	2	1	0	3
	Soft Skills					2

DEPARTMENT OF WOMEN STUDIES

M.A. WOMEN'S STUDIES

Course	Title of the Course	C/E/S/I	Credits
Semester I			
SSS C851	Introduction to Feminist Theories	C	4
SSS C852	Evolution of Family, Social Structures and Institutions	C	4
SSS C853	Women in Indian Literature and Culture	C	4
SSS C854	Women and Wellness	C	4
SSS E851	Elective I – Introduction to Women and Gender Studies	E	3
	Elective II	E	3
	Soft Skill I	S	2
Semester II			
SSS C855	Gender Sensitisation and Resolving Gender Conflict	C	4
SSS C856	Women in Literature, Media and Arts	C	4
SSS C857	Gender Based Violence and Laws	C	4
SSS C858	Men in Feminism	C	4
SSS E852	Elective III–Key Concepts and Issues in Gender Studies	E	3
	Elective IV	E	3
	Soft Skill II	S	2
UOMI001	Internship	I	2
Semester III			
SSS C859	Basics of Research Methodology	C	4
SSS C860	Gender in Historical and Religious Thought	C	4
SSS C861	Gender, Language and Etiquette	C	4
SSS C862	Life Narratives of Women in Science	C	4
SSS E853	Elective V – Status of Women in India Through the Ages	E	3
SSS E854	Elective VI – Preparatory Course in Women's Studies for Competitive Exams	E	3
	Soft Skill III	S	2
Semester IV			
SSS C863	Education, Employment and Empowerment	C	4
SSS C864	Dissertation & Viva Voce	C	4+4=8
SSS E855	Elective VII – Evolution of Women's Writing in India	E	3
	Soft Skill IV	S	2
Total			91

M.Phil. PSYCHOLOGY

Course Code	Title of the Course	C /E	Credit
I SEMESTER			
SSS C351	Psychometry	C	5
SSS C352	Research Methodology	C	5
SSS C353	Health Psychology	C	5
SSS C354	Placement Report		
II SEMESTER			
SSS C309	Case study	C	5
SSS C310	Test construction	C	4
SSS C311	Dissertation and Viva- voce	C	12

M.Phil. EDUCATION

Course Code	Title of the Course	C /E	Credit
I SEMESTER			
SSS C321	Advanced Research Methodology	C	5
SSS C322	Advanced Educational Statistics	C	5
SSS E321	Management of Education	E	5
SSS E322	Research Data Analysis Using Computer Software	E	5
SSS E323	Related to Area of Specialization in Dissertation	E	5
II SEMESTER			
SSS C323	Dissertation and Viva Voce	C	21

M.Phil CONTINUING EDUCATION MANAGEMENT (Full Time)

Course Code	Title of the Course	C /E/S	Credit
I SEMESTER			
SSS C201	Continuing Education – Concept and Theory	C	5
SSS C202	Research Methodology	C	5
SSS C203	Principles of Management and Continuing Education	C	5
SSS C204	Extension Education and Development	C	5
II SEMESTER			
SSS C205	Dissertation and Viva-Voce	C	21

M.Phil. HUMAN RESOURCES MANAGEMENT (Full-Time)

Course Code	Title of the Course	C /E/S	Credit
I SEMESTER			
SSS C251	Research Methodology	C	5
SSS C252	Management Concepts	C	5
SSS C253	Strategic Human Resource and Development	C	5
II SEMESTER			
SSS C254	Dissertation and Viva-Voce	C	21

M.Phil. Anthropology

Course Code	Title of the Course	C /E/S	Credit
I SEMESTER			
SSS C101	Anthropology and Anthropological Theories	C	5
SSS C102	Anthropological Research : Methods and Techniques	C	5
SSS C103	People of India	C	5
II SEMESTER			
SSS C104	Dissertation and Viva-Voce	C	21

M.Phil. COUNSELLING PSYCHOLOGY

Course Code	Title of the Course	C /E/S	Credit
I SEMESTER			
SSS C991	Advanced Counselling skills in Practice	C	5
SSS C992	Special issues related to counselling practice	C	5
SSS C993	Advance Research Methods in Counselling	C	5
SSS C994	Internship/Placement Report	C	5
II SEMESTER			
SSS C995	Psychological Assessments	C	5
SSS C996	Case Study Practicum	C	4
SSS C997	Dissertation and Viva-voce	C	12

M.Phil. WOMEN'S STUDIES

Course Code	Title of the Course	C /E/S	Credit
I SEMESTER			
SSS C891	Research Methodology	C	5
SSS C892	Feminist Research Approaches	C	5
SSS C893	Impact of Feminism on Different Disciplines	C	5
II SEMESTER			
SSS C894	Dissertation and Viva-voce	C	21

P.G. DIPLOMA IN PARENT COUNSELLING (For School Principals & Teachers)

Course Code	Title	C /E	Credits
I SEMESTER			
SSS C376	Psychology of Human Development	C	3
SSS C377	Psychology of Adjustment	C	3
SSS C378	Psychology of Information Processing	C	3
SSS E376	Life Skills Education	E	3
SSS C380	Practical – I	C	3
SSS C380	Practical – II	C	3
II SEMESTER			
SSS C382	Parent Education	C	3
SSS C383	Guidance and Counseling	C	3
SSS E377	Counseling Applications	E	3
SSS C385	Psychometrics	C	3
SSS C386	Practical – III	C	3
SSS C387	Project & Viva-Voce	C	3

POST GRADUATE DIPLOMA IN EXTENSION & DEVELOPMENT

ADMINISTRATION

Course Code	Title of the Course	Credits
I SEMESTER		
SSS C501	Extension Education and Field Outreach	5
SSS C502	Development and Administration of Extension Education and Field Outreach	5
SSS C503	Planning, Management and Communication in Extension and Field outreach	5
II SEMESTER		
SSS C504	Disaster Management	5
SSS C505	Research Monitoring and Evaluation	5
SSS C506	Project work /Dissertation (Dissertation (6) and Viva (2) Seminar paper(2)/ Community living Camp (1)	11

POST GRADUATE DIPLOMA IN COUNSELLING PSYCHOLOGY

Course Code	Title of the Course	Credits
I SEMESTER		
SSS C451	Essentials of Psychology	4
SSS C452	Mental Health and Psychopathology	4
SSS C453	Counseling Skills and Techniques	4
SSS C454	Psychosocial Medicine-Specialization	4
II SEMESTER		
SSS C455	Internship I	7
SSS C456	Internship II	7
SSS C457	Clinical Presentation	3
SSS C458	Viva-Voce	3

POST GRADUATE DIPLOMA IN ORGANIZATIONAL DEVELOPMENT AND MANAGEMENT OF CHANGE

Course Code	Title of the Course	Credits
I SEMESTER		
SSS C801	Principles and Theories of Organizational Development	5
SSS C802	Techniques of Organizational Development Interventions	5
SSS C803	Models of Change Management	5
II SEMESTER		
SSS C804	Project I – Organizational Diagnosis	5
SSS C805	Project II – Survey Feed back	5
SSS C806	Viva-Voce	11

DIPLOMA IN TRAVEL AND TOURISM MANAGEMENT (Self-Supportive)

Course Code	Title of the Course	C/E				Credits
SSS C425	Tourism Business and Development	C				3
SSS C426	Tourism Marketing in India	C				3
SSS C427	Travel Management	C				3
SSS C428	Hospitality Management	C				3
SSS C430	Practical/Project in a reputed Travel Agencies in Chennai	C				6

CERTIFICATE COURSE IN SKIN CARE BEAUTY THERAPY (Self-Supportive mode)

Course Code	Title of the Course	C/E	L	T	P	Credits
SSS C431	The Skin and Skin care theory	C	3	0	0	3
SSS C432	The Hair and Hair care	C	3	0	0	3
SSS C433	Skin, Hair & Beauty care Practical (All practical will be conducted in a reputed Beauty clinic in Chennai)	C	3	0	0	3

CERTIFICATE COURSE IN NGO MANAGEMENT (Self-Supportive mode)

Course Code	Title of the Course	C/E	L	T	P	Credits
SSS C436	Principles and practice of NGO Management	C	3	0	0	3
SSS C437	Extension and Field Out reach	C	3	0	0	3
SSS C438	Project Formulation, Monitoring and Evaluation Internship in a select NGO	C	3	0	0	3

CERTIFICATE COURSE IN WEB-PAGE DESIGN (Self-supportive mode)

Course Code	Title of the Course	C/E	L	T	P	Credits
SSS C441	Basic Concepts of Internet & www	C	3	0	0	3
SSS C442	Images - Height and animation	C	3	0	0	3
SSS C443	Introduction to HTML and single Java scrip Internship in a Select NGO	C	3	0	0	3

CERTIFICATE IN PRE-PRIMARY EDUCATION (Self-Supportive mode)

Course Code	Title of the Course	C/E	L	T	P	Credits
SSS C446	Foundations of Early Childhood Education and Child activities	C	2	0	0	2
SSS C447	Health Nutrition and welfare of the pre - school child	C	2	0	0	2
SSS C448	Organization of creche and Pre-School	C	2	0	0	2
SSS C449	Practical	C	0	0	3	3

CERTIFICATE COURSE IN WOMEN'S STUDIES (Self-Supportive mode)

Course Code	Title of the Course	C/E	L	T	P	Credits
SSS C451	Woman and Society Economic Development	C	3	0	0	3
SSS C452	Women Law and Justice	C	3	0	0	3
SSS C453	Project Work	C	3	0	0	3

CERTIFICATE COURSE IN TV NEWS READING AND COMPEERING

(Self-Supportive mode)

Course Code	Title of the Course	C/E	L	T	P	Credits
SSS C456	T.V. News writing	C	2	1	0	3
SSS C457	Compeering (Practical)	C	2	0	1	3
SSS C458	News Reading (Practical)	C	2	0	1	3

CERTIFICATE COURSE IN FUNCTIONAL ENGLISH AND PUBLIC SPEAKING

(Self-Supportive mode)

Course Code	Title of the Course	C/E	L	T	P	Credits
SSS C461	Remedial Grammar and Conversational Strategies	C	3	0	0	3
SSS C462	Phonetics and Communication	C	3	0	0	3
SSS C463	Public Speaking & Presentation Skills	C	3	0	0	3

CERTIFICATE IN BLOGGING

(Self-Supportive mode)

Course Code	Title of the Course	C/E	L	T	P	Credits
SSS C466	Blogging Basics	C	2	0	1	3
SSS C467	Writing for the Blogs	C	2	0	1	3
SSS C468	Blogging Practice	C	0	0	3	3
SSS C469	Project Work	C	3	0	3	3

CERTIFICATE IN HOSPITALITY MANAGEMENT

(Self-Supportive mode)

Course Code	Title of the Course	C/E	L	T	P	Credits
SSS C471	Accommodation Operations	C	2	0	0	2
SSS C472	Food and Beverage Management	C	2	0	0	2
SSS C473	Basic Marketing Principles	C	2	0	0	2
SSS C474	Project Work / Practical in a reputed	C	0	0	3	3

SCHOOL OF POLITICAL AND INTERNATIONAL STUDIES

The School of Political and International Studies consists of Anna Centre for Public Affairs, Department of Politics and Public Administration, Department of Defence and Strategic Studies, Centre for South and Southeast Asian Studies and Department of Legal Studies.

In October 1934 a proposal for starting the Department of Politics and Public Administration was mooted and in July 1937, a Diploma course in Politics and Public Administration was started. The B.A(Hons.) and B. A.(Pass) courses were started in 1936 and 1939 respectively. The Department has M.A. (Political Science), M.A. (Public Administration), M.A. (International Relations), M.Phil (Political Science), M.Phil. (Public Administration), M.Phil. (International Relations) and Ph.D Programmes. The Department has a Computer Laboratory.

The Department of Legal Studies was founded in August 1951 with Professor C.H.Alexandrowicz as its Head. The Department specializes in International Law and Constitutional Law. It started Grotian Society for conducting historical research in International Law and publishes the Indian Yearbook of International Affairs. The Department now offers M.L. and Ph.D Programmes. The department has a special collection of books on International and Constitutional Law.

The Centre for South and Southeast Asian Studies was initiated in early 1970's and now it specializes on the Politics, History and Culture of these Regions. In 1977 the Centre was reorganized and it began extensive researches on Malaysia, Indonesia, Singapore, Maldives and Sri Lanka. The Indian immigrants of these regions were specially researched. The Centre offers M.A., M.Phil and Ph.D. programmes. Its library has a good collection of excellent materials on these regions.

The Department of Defence and Strategic Studies was introduced in the university of madras by Professor Malcom Adiseshiah, the then Vice – Chancellor, from 1976 as an academic discipline at graduated in the department of defence Studies (1977), University of Madras and the M.Sc. at the Defence Services Staff college (1978), Wellington, Nilgiris. The nomenclature of defence studies was renamed in 1990 as Defence and strategic studies to bring uniformity throughout the country. The department initiated Ph.D.programme in 1985 and M.Phil. programme in 1990 and later the same was extended to the defence services Staff College.

The National Defence College, New Delhi was given affiliation to conduct M.Phil. in Defence Management And Strategic Studies (2006). The Officer's Training Academy, Chennai was affiliated to conduct course for the award of P.G Diploma in Defence Management and Strategic Studies (2011). The Department supervises all the three defence institutions in conducting their courses. The Department specializes in national security, and maritime security and other important strategic issues.

Anna Centre for Public Affairs was established out of a donation from the AIADMK party during the post Centenary Silver Jubilee celebration of the Univeristyof Madras in 1983. The Centre was renamed later as Anna Centre for Public Affairs. The Centre specializes in public policy Studies, Legislative Studies, Federal Studies and on political and Social Leadership. It offers M.A. (Public administration – Tamil Medium), M.A. (post – Modern Development Administration – Five Year Integrated Course), M.Phil. (Public Affairs) and Ph.D.

Faculty

Dr. P. Ravishankar, Ph.D

Chairperson

Anna Centre for Public Affairs

Dr. P. Ravishankar, Ph.D

Professor and Head

Dr. P. Maduraiveeran, Ph.D

Professor

Dr. Kalaiselvi Sivaraman, Ph.D

Assistant Professor

Dr. R. Venkatesh, Ph.D

Assistant Professor

Centre for South and South East Asian Studies

Dr. S. Manivasakan, Ph.D

Professor & Director

Dr. Hiller Armstrong, Ph.D

Assistant Professor

Defence and Strategic Studies

Dr. S. Utham Kumar Jamadhagni, Ph.D

Associate Professor & Head i/c

Dr. E. Prabakaran, Ph.D

Assistant Professor

Dr. A. Venkataraman, Ph.D

Assistant Professor

Legal Studies

Dr. A. David Ambrose, Ph.D

Professor and Head

Dr. B. Venugopal, Ph.D

Associate Professor

Dr. G. Rajasekar, Ph.D

Assistant Professor

Politics and Public Administration

Dr. R. Manivannan, Ph.D

Professor & Head

Dr. M. Uma Maheswari, Ph.D

Professor

Dr. M. Kennedy Stephensan Vaseekaran, Ph.D

Associate Professor

Dr. S. Parthiban, Ph.D

Assistant Professor

Rajiv Gandhi Chair in Contemporary Studies

Dr. P. Maduraiveeran, Ph.D

Professor and Head i/c

M.A. DEFENCE AND STRATEGIC STUDIES

Course Code	Title of the Course	C/E /S	Credit
I SEMESTER			
PSI C101	Military History of India	C	4
PSI C102	Military History of South India	C	4
PSI C105	International Terrorism	C	4
PSI C109	Theories of International Relations	C	4
PSI E102	Cooperative Security in Asia	E	3
	Soft Skill	S	2

II SEMESTER			
PSI C104	Disarmament and Peace Studies	C	4
PSI C106	Wars in Post Independent India	C	4
PSI C107	Defence Economics Management	C	4
PSI C110	Sino-Indian Strategic Relations	C	4
PSI E101	Indian Constitution	E	3
PSI E103	Human Rights and Indian Constitution	E	3
PSI E104	India's Internal Security Dimensions	E	3
	Soft Skill	S	2
III SEMESTER			
PSI C111	Nuclear Development & South Asian Security	C	4
PSI C112	Conflict Resolution in International Relations	C	4
PSI C113	Legal aspects of International Security	C	4
PSI E105	Indo-American Strategic Relations	E	3
PSI E106	Indo-Australian Relations	E	3
	Soft Skill	S	2
UOM I001	Internship		
IV SEMESTER			
PSI C116	Comprehensive Security	C	4
PSI C117	National Security Policy of India	C	4
PSI C118	Project Work	C	6
PSI C119	Maritime Security of India	C	4
PSI E107	Maritime Law	E	3
PSI E108	African Studies	E	3
	Soft Skill	S	2

M.A. PUBLIC ADMINISTRATION (*Tamil Medium*)

Course Code	Title of the Course	C/E /S	Credit
I SEMESTER			
PSI C611	Administrative Theory - 1	C	4
PSI C612	Principles of Management - 1	C	4
PSI C613	Development Administration - 1	C	4
PSI E611	Administrative Thinkers - 1	E	3
PSI E612	Human Rights Administration in India - 1	E	3
	Soft Skill	S	2
II SEMESTER			
PSI C614	Administrative Theory - 2	C	4
PSI C615	Principles of Management - 2	C	4
PSI C616	Development Administration - 2	C	4
PSI E641	Administrative Thinkers - 2	E	3
PSI E642	Human Rights Administration in India - 2	E	3
	Soft Skill	S	2
III SEMESTER			
PSI C621	Administrative Law-1	C	4
PSI C622	Public Financial Administration-1	C	4
PSI C623	Public Policy Analysis - 1	C	4
PSI C624	Human Resource Management - 1	C	4
PSI E643	Indian Administration - 1	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2

IV SEMESTER			
PSI C625	Administrative Law-2	C	4
PSI C626	Public Financial Administration-2	C	4
PSI C627	Public Policy Analysis - 2	C	4
PSI C628	Human Resource Management - 2	C	4
PSI C629	Methodology, Dissertation and Viva -Voce	C	4
PSI E644	Indian Administration - 2	E	3
	Soft Skill	S	2

M.A. PUBLIC AFFAIRS

Course Code	Title of the Course	C/E /S	Credit
I SEMESTER			
PSI C001	Public Policy – I [Theory And Practice]	C	4
PSI C002	Development Affairs – I [Bureaucratic Dynamics]	C	4
PSI C003	International Affairs – I [Theories and approaches]	C	4
PSI C004	Federal Studies	C	4
PSI E001	Public Affairs	E	3
PSI E002	Cultural Affairs - I	E	3
	Soft Skill	S	2
II SEMESTER			
PSI C005	Public Policy – II [Policy Making In India]	C	4
PSI C006	Development Affairs – II [social Welfare Policy]	C	4
PSI C007	International Affairs – II [International Relations Since 1945]	C	4
PSI C008	Dravidian Movement	C	4
PSI E003	Gender Studies	E	3
PSI E004	Cultural Affairs - II	E	3
	Soft Skill	S	2
III SEMESTER			
PSI C009	Public Policy – III [Economic Policies in India]	C	4
PSI C010	Development Affairs – III [Rural Development policy]	C	4
PSI C011	International Affairs – III[Foreign policy of India & USA	C	4
PSI C012	Tamil Nadu Studies	C	4
PSI E005	Cultural Affairs - III	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
PSI C013	Public Policy – IV [Policies & Programmes in Tamil Nadu]	C	4
PSI C014	Development Affairs –IV [Urban Development policy]	C	4
PSI C015	International Affairs IV [International Economics Trade and Relations]	C	4
PSI E006	Inter State River Water Management in South India	E	3
PSI E007	Cultural Affairs-IV	E	3
	Soft Skill	S	2

**M.A. POST MODERN DEVELOPMENT ADMINISTRATION
(5 YEAR INTERGRATED COURSE)**

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
PSI L011	Part I Tamil Course I	L	3
PSI L015	Part –II French Course-I	L	3
PSI L019	Part II – Hindi Course -I	L	3
PSI L021	Part II English Course I	L	3
PSI C911	Issues in Post Modernism	C	4
PSI C912	Public Administration: Theory	C	4
PSI C913	Elements of Political Theory	C	4
PSI A961	Introduction to Sociology	A	4
	Soft Skill	S	2
II SEMESTER			
PSI L012	Part I Tamil Course II	L	3
PSI L016	Part –II French Course-II	L	3
PSI L020	Part II – Hindi Course –II	L	3
PSI L022	Part II English Course II	L	3
PSI C914	Introduction to Indian Constitution	C	4
PSI C915	Development Administration: Concepts and Principles	C	4
PSI C916	Human Rights	C	4
PSI A962	Indian Society	A	4
	Soft Skill	S	2
III SEMESTER			
PSI L013	Part I Tamil Course III	L	3
PSI L017	Part –II French Course-III	L	3
PSI L023	Part II English Course III	L	3
PSI L025	Part II – Hindi Course -III	L	3
PSI C921	Major Issues in Public Administration	C	4
PSI C922	Indian Administration	C	4
PSI C923	Rural Local Government	C	4
PSI A963	Social Movements and Transformation	A	4
	Soft Skill	S	2
IV SEMESTER			
PSI L014	Part I Tamil Course IV	L	3
PSI L018	Part –II French Course-IV	L	3
PSI L024	Part II English Course IV	L	3
PSI L026	Part II – Hindi Course -IV	L	3
PSI C924	New Public Management	C	4
PSI C925	Urban Local Governements	C	4
PSI C926	Administrative Thinkers	C	4
PSI A964	Social Conflicts	A	4
PEN V924	Environmental Studies	A	2
	Soft Skill	S	2

V SEMESTER			
PSI C931	Human Resource Mangement	C	4
PSI C932	Financial Management	C	4
PSI C933	Post Modern Governance	C	4
PSI A965	Basic Statistics	A	4
PSI E971	Managerial Economics	E	3
PVA E932	Value Education	VE	2
	Soft Skill	S	2
VI SEMESTER			
PSI C934	Administrative Reform And Changes	C	4
PSI C935	Public Policy Analysis	C	4
PSI C936	Social Security And Development	C	4
PSI A966	Public Economics	A	4
PSI E972	Social Welfare Sdministration	E	3
PCE S934	Extension Activites	S	1
	Soft Skill	S	2
VII SEMESTER			
PSI C941	Research Methodology	C	5
PSI C942	Public Affairs	C	5
PSI C943	Disaster Management	C	5
PSI E973	Administrative Law	E	3
PSI E974	International Financial Institutions	E	3
	Soft Skill	S	2
VIII SEMESTER			
PSI C944	Indian Political System: Governanace & Development	C	5
PSI C945	Globalization and Governance	C	5
PSI C946	Rural Development	C	5
PSI E975	Indian Economic Development	E	3
PSI E976	Woman Empowerment	E	3
	Soft Skill	S	2
IX SEMESTER			
PSI C951	Human Development	C	5
PSI C952	Information Communication Technology & Governance	C	5
PSI C953	Regional Planning And Development	C	5
PSI C954	Post Modern Economic Issues	C	5
PSI E977	Advanced Statistic Techniques	E	3
	Elective (From Other Department)	E	2
	Soft Skill	S	2
UNOM I001	Internship	I	3
X SEMESTER			
PSI C955	Sustainable Development	C	5
PSI C956	Urban Development	C	5
PSI C957	Dissertation	C	6
PSI E978	Tribal Studies	E	3
	Soft Skill	S	2

M.L. INTERNATIONAL LAW AND ORGANISATION

Note: Compulsory Components for Postgraduate Programmes

Core Courses	-	71 Credits Minimum
Elective Courses	-	21 Credits Minimum
Soft Skill Courses	-	08 Credits Minimum
Internships	-	02 Credits
Total	-	102 Credits Minimum

Course Code	Title of the Course	C/E/S	Credit.
I SEMESTER			
PSI C401	Law and Social Transformation-I	C	5
PSI C402	Law and Social Transformation-II	C	5
PSI C403	Introduction to International Law	C	5
PSI C404	International Organization: Law, Practice & Future	C	5
PSI E401	Introduction to Constitution	E	3
PSI E402	Disarmament and Peace Strategies	E	3
	Soft Skill	S	2
II SEMESTER			
PSI C405	Indian Constitutional Law- The New Challenges- I	C	5
PSI C406	Indian Constitutional Law- The New Challenges-II	C	5
PSI C407	Judicial Process	C	5
PSI C408	International Humanitarian Law	C	5
PSI E403	Private International Law	E	3
PSI E404	Environmental Law	E	3
	Soft Skill	S	2
III SEMESTER			
PSI C409	Research Methodology and Legal Education	C	5
PSI C410	Science Technology & Law	C	5
PSI C411	Law and Diplomacy	C	5
PSI E405	Law of the Sea	E	3
PSI E406	Human Rights	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
PSI C412	International Law and Contemporary Issues	C	5
PSI C413	Practical Training	C	5
PSI C414	Dissertation and viva – voce	C	6
PSI E407	Introduction to IPR	E	3
	Soft Skill	S	2

M.L. CONSTITUTIONAL LAW AND LEGAL ORDER

Course Code	Title of the Course	C/E /S	Credit
I SEMESTER			
PSI C501	Law and Social Transformation-I	C	5
PSI C502	Law and Social Transformation-II	C	5
PSI C503	Introduction to International Law	C	5
PSI C504	Constitutionalism, Pluralism and Federalism	C	5
PSI E501	Introduction to Constitution	E	3
PSI E502	Mass Media	E	3
	Soft Skill	S	2
II SEMESTER			
PSI C505	Indian Constitutional Law- The New Challenges-I	C	5
PSI C506	Indian Constitutional Law- The New Challenges-II	C	5
PSI C507	Judicial Process	C	5
PSI C508	Public Utility Law	C	5
PSI E503	Private International Law	E	3
PSI E504	Environmental Law	E	3
	Soft Skill	S	2
III SEMESTER			
PSI C509	Research Methodology and Legal Education	C	5
PSI C510	Science technology & Law	C	5
PSI C511	Union State Financial Relations	C	5
PSI E505	National Security and Public Order	E	3
PSI E506	Human Rights	E	3
	Soft Skill	S	2
UOM 1001	Internship	S	2
IV SEMESTER			
PSI C512	Practical Training	C	5
PSI C513	Dissertation and viva – voce	C	6
PSI C514	Introduction to IPR	C	5
PSI E507	Right to Information Act	E	3
	Soft Skill	S	2

M.A. PUBLIC ADMINISTRATION (ENGLISH MEDIUM)

Course Code	Title of the Course	C/E /S	Credit
I SEMESTER			
PSI C201	Introduction to Public Administration	C	4
PSI C202	State, Government and Politics	C	4
PSI C203	Administrative Thinkers	C	4
PSI C204	New Public Management	C	4
PSI E201	Human Rights Policy	E	3
PSI E202	Public Safety and Security Administration	E	3
PSI E203	Labour Welfare Administration	E	3
	Soft Skill	S	2

II SEMESTER			
PSIC 205	International Organizations	C	4
PSI C 206	Human Resource Management	C	4
PSIC 207	Public Financial Administration	C	4
PSIC 208	Public Sector Enterprises	C	4
PSIE 204	Bureaucracy	E	3
PSIE 205	Health Policy and Administration	E	3
PSIE 206	Disaster Management	E	3
	Soft Skill	S	2
III SEMESTER			
PSIC 209	Research Methodology	C	4
PSIC 210	Comparative Public Administration	C	4
PSIC 211	Administrative Law	C	4
PSI E 207	Peace and Conflict Management	E	3
PSIE 208	Gender, Politics and Administration	E	3
PSIE 209	Rural Development Administration	E	3
	Soft Skill	E	2
UOM I001	Internship	I	2
IV SEMESTER			
PSI C212	Government and Administration in India	C	4
PSI C213	Public Policy	C	4
PSI C214	Fiscal Federalism in India	C	4
PSI C215	Dissertation	C	6
PSI E210	Globalisation	E	3
PSI E211	Digital Governance	E	3
PSI E212	Urban Policy and Administration	E	3
	Soft Skill	S	2

M.A. POLITICAL SCIENCE

Course Code	Title of the Course	C/E /S	Credit
I SEMESTER			
PSI C301	Political Theory	C	4
PSI C302	Constitution and Political Development in India	C	4
PSI C303	Theories of International Relations	C	4
PSI C304	Comparative Government and Politics	C	4
PSI E301	Human Rights	E	3
PSI E302	Electoral Systems	E	3
PSI E308	Political Leadership	E	3
	Soft Skill	S	2
II SEMESTER			
PSI C305	Western Political Thought	C	4
PSI C306	Public Administration	C	4
PSI C307	Indian Government and Politics – I	C	4
PSI C308	Indian Political Thought	C	4
PSI E303	Political Communication	E	3
PSI E304	Traditions of Nonviolence	E	3
	Soft Skill	2	

III SEMESTER			
PSI C309	Research Methodology	C	4
PSI C310	Indian Government and Politics –II	C	4
PSI C311	Political Economy	C	4
PSI E305	New Social Movements	E	3
PSI E306	Indian Administration	E	3
PSI E309	Introduction to Political Culture	E	3
PSI E310	Demographic Politics	E	3
	Soft Skill	S	2
UOMI001	Internship	I	2
IV SEMESTER			
PSI C312	Politics of Southern States	C	4
PSI C313	Asian Political Systems	C	4
PSI C314	Foreign Policy of India	C	4
PSI C315	Dissertation	C	6
PSI E307	Films, Politics and Society	E	3
PSI E311	Political Psychology	E	3
PSI E312	Liberalization	E	3
	Soft Skill	S	2

M.A. INTERNATIONAL RELATIONS

Course Code	Title of the Course	C/E/ S	Credit
I SEMESTER			
PSI C701	History of International Relations :1648-1945	C	4
PSI C702	Political Theory	C	4
PSI C703	Theories of International Relations	C	4
PSI C704	Introduction to Diplomacy	C	4
PSI E701	Political Sociology	E	3
PSI E702	Asia : West Asia/ South East Asia / Far East / Asia Pacific	E	3
PSI E703	Strategic Thought	E	3
	Soft Skill	S	2
II SEMESTER			
PSI C705	International Organizations	C	4
PSI C706	Foreign Policy of India	C	4
PSI C707	Western Political Thought	C	4
PSI C708	Indian Political System	C	4
PSI E704	America : Latin America/ USA / Canada	E	3
PSI E705	Science, Technology and Politics	E	3
PSI E706	International Political Economy	E	3
	Soft Skill	S	2
III SEMESTER			
PSI C709	Research Methodology	C	4
PSI C710	Foreign Policy of Major Powers	C	4
PSI C711	Contemporary Issues in International Relations	C	4
PSI E707	European Studies	E	3
PSI E708	Introduction to Peace Studies	E	3
PSI E709	Culture, Ethnicity and Politics	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2

IV SEMESTER			
PSI C714	Politics and Society in South Asian	C	4
PSI C715	International Law	C	4
PSI C712	Asian Political Thought	C	4
PSI C713	Dissertation	C	6
PSI E710	Africa	E	3
PSI E711	Refugee Studies	E	3
PSI E712	Political Geography	E	3
	Soft Skill	S	2

M.A. SOUTH AND SOUTHEAST ASIAN STUDIES

Course code	Title of the Course	C/E	Credit
I SEMESTER			
PSI C801	History of South and Southeast Asia	C	4
PSI C803	Asian Cultural Landscapes of South and Southeast Asian	C	4
PSI C805	South and Southeast Asia Economics	C	4
PSI C807	Study of South and Southeast Asia	C	4
PSI E803	Independent Study *	E	3
PSI E805	Religion and Society in South and Southeast Asia	E	3
	Soft Skill	S	2
II SEMESTER			
PSI C802	Race and Ethnicity in South and Southeast Asia	C	4
PSI C804	Socio-Economics History of South and Southeast Asia	C	4
PSI C806	South and Southeast Asia and Regionalism	C	4
PSI C808	The Politics of Environment in South and Southeast Asia	C	4
PSI E801	Security for Small Island States (Singapore and Maldives)	E	3
PSI E804	Independent Study *	E	3
	Soft Skill	S	2
III SEMESTER			
PSI C809	Studies on Security in South and Southeast Asia	C	4
PSI C811	Country Studies: Indonesia	C	4
PSI C813	Country Studies: Malaysia	C	4
PSI C815	Country Studies: Sri Lanka	C	4
PSI E807	Independent Study *	E	3
PSI E809	International Issues in South and Southeast Asia	E	3
	Soft Skill	S	2
	Internship	I	2
IV SEMESTER			
PSI C810	Country Studies: Maldives	C	4
PSI C812	Country Studies: Singapore	C	4
PSI C814	Dissertation & Viva- voce	C	6
PSI E802	Indian Communities in Southeast Asia	E	3
PSI E806	Independent Study *	E	3
	Soft Skill	S	2

* Independent research plays an important role in post graduate education. The Independent Study Module is designed to enable the students to explore an approved topic in South and Southeast Asian Studies in depth. The student should approach a faculty to work out an agreed topic, readings and assignments for the module. Head's approval is required. Regular meetings and reports are expected. Evaluation is based on 100% Continuous Assessment and must be worked out.

M.Phil. DEFENCE & STRATEGIC STUDIES

Course Code	Title of the Course	C/E/ S	Credit
I SEMESTER			
PSI C141	Research Methodology:1648- 1945	C	5
PSI C143	Strategic thought	C	5
PSI C145	Indian Ocean : Strategic Perspectives	C	5
PSI E147	Human Rights and Security Forces	E	5
PSI E149	Conflict and Co-operation in South Asia	E	5
PSI E150	International Terrorism	E	5
II SEMESTER			
PSI C142	Dissertation and Viva- Voce	C	21

M.Phil. PUBLIC AFFAIRS

Course Code	Title of the Course	C/E/ S	Credit
I SEMESTER			
PSI C151	Research Methodology	C	5
PSI C152	Public Affairs	C	5
PSI E151	Gender Studies	E	5
PSI E152	Federal Studies	E	5
II SEMESTER			
PSI C153	Dissertation and Viva-Voce	C	21

M.Phil. PUBLIC ADMINISTRATION

Course Code	Title of the Course	C/E/ S	Credit.
I SEMESTER			
PSI C121	Research Methodology	C	5
PSI C123	Public Policy Environment in India	C	5
PSI E125	Development Studies	E	5
PSI C127	Perspectives in Public Management	C	5
PSI E129	Multi-level Planning	E	5
II SEMESTER			
PSI C132	Dissertation and Viva-Voce	C	21

M.Phil . POLITICAL SCIENCE

Course code	Title of the Course	C/E	Credit
SEMESTER –I			
PSI C228	Research Methodology	C	5
PSI C229	Issues in Governance	C	5
PSI C230	Contemporary Political Thinkers	C	5
PSI E230	International Political Economy	E	5
PSI E231	Development Debates	E	5
SEMESTER – II			
PSI C231	Dissertation	C	21

M.Phil . INTERANTIONAL RELATIONS

Course code	Title of the Course	C/E	Credit.
SEMESTER – I			
PSI C251	Research Methodology	C	5
PSI C252	Nation State in International Relations	C	5
PSI C253	World Order Models	C	5
PSI E251	International Political Economy	E	5
PSI E252	Issues in Third World Politics and Development	E	5
SEMESTER – II			
PSI C254	Dissertation	C	21

M.Phil. SOUTH AND SOUTHEAST ASIAN STUDIES

Course Code	Title of the Course	C/E	Credit
SEMESTER – I			
PSI C451	Research Methodology	C	5
PSI C453	South Asian Studies: Srilanka and Maldives	C	5
PSI E453	Southeast Asian Studies: Malaysia, Singapore and Indonesia	E	5
PSI E454	Language: Malay	E	5
PSI E455	Language: Sinahalese	E	5
PSI E456	Language: Indonesia	E	5
SEMESTER – II			
PSI C452	Dissertation and Viva-voce	C	21

Econometrics

Dr. T. Lakshmanasamy, Ph.D	Professor and Head
Dr. R. Srinivasan, Ph.D	Associate Professor
Dr. D. Sathiyavan, Ph.D	Associate Professor
Dr. P. Mahendra Varman, Ph.D	Assistant Professor
Dr.R. Mariappan, Ph.D	Assistant Professor

Dr. Ambedkar Centre for Economic Studies

Dr. S. Ramachandran, Ph.D	Assistant Professor and Head i/c
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Centre for Population Studies

Dr. D. Sathiyavan, Ph.D	Associate Professor & Head i/c
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M.A. ECONOMICS (INDIAN ECONOMICS)

Course Code	Title of the Course	C/E/ S	Credit
I SEMESTER			
ECO C001	Micro Economic Analysis – I	C	4
ECO C002	Macro Economic Analysis – I	C	4
ECO C003	Public Economics – I	C	4
ECO C004	Statistics for Economists	C	4
ECO E001	Economics of Infrastructure	E	3
ECO E002	Environmental Economics – I	E	3
	Soft Skill	S	2
II SEMESTER			
ECO C005	Micro Economic Analysis - II	C	4
ECO C006	Macro Economic Analysis - II	C	4
ECO C007	Public Economics - II	C	4
ECO C008	Mathematics for Economists	C	4
ECO E003	Agricultural Economics	E	3
ECO E004	Environmental Economics - II	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2
III SEMESTER			
ECO C009	Developmental Economics	C	4
ECO C010	Research Methodology - I	C	4
ECO C011	Monetary Economics	C	4
ECO E005	Indian Economy	E	3
ECO E006	Business Economics - I	E	3
	Soft Skill	S	2
IV SEMESTER			
ECO C012	Econometrics	C	4
ECO C013	Research Methodology - II	C	4
ECO C014	International Economics	C	4
ECO C015	Modern Economic Thought	C	4
ECO E007	Business Economics - II	E	3
	Soft Skill	S	2

M.Phil. ECONOMICS

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
ECOC021	Modern Economic Theory	C	5
ECO C022	Research Methodology	C	5
ECO E021	Indian Economic Issues	E	5
II SEMESTER			
ECO C023	Dissertation and Viva-Voce	C	21

M.A. ECONOMETRICS

Course Code	Title of the Course	C/E/ S	Credit
I SEMESTER			
ECO C101	Mathematical Methods	C	4
ECO C102	Statistical Methods	C	4
ECO C103	Data Analysis using Computers	C	4
ECO C104	Micro Economics – I	C	4
ECO E101	Indian Financial System	E	3
ECO E102	Indian Economic Development	E	3
ECO E103	Monetary Economics	E	3
UOMS***	Soft Skill	C	2
II SEMESTER			
ECO C105	Mathematical Economics	C	4
ECO C106	Micro Economics - II	C	4
ECO C107	Macro Economics	C	4
ECO C108	Econometric Theory - I	C	4
ECO E104	International Economics	E	3
ECO E105	Development and Planning	E	3
ECO E106	Data Base for Econometric Analysis	E	3
UOM S***	Soft Skill	S	2
III SEMESTER			
ECO C109	Econometric Theory - II	C	4
ECO C110	Time Series Econometrics	C	4
ECO C111	Applied Econometric Methods	C	4
ECO C112	Public Finance	C	4
ECO E107	Financial Economics	E	3
ECO E108	Industrial Economics	E	3
Eco E 109	Advances in Economic Theory	E	3
UOM S***	Soft Skill	S	2
UOM ****	Internship	I	2
IV-SEMESTER			
ECO C113	Econometric Applications	C	4
ECO C114	Panel Data and Non-Parametric Econometrics	C	4
ECO C115	Project	C	4
ECO E110	Agricultural Economics	E	3
ECO E111	Indian Economic Issues	E	3
ECO E112	Industrial Organisation	E	3
UOM S***	Soft Skill	S	2

M.A. FINANCIAL ECONOMICS

Course Code	Title of the Course	C/E/ S	Credit
SEMESTER I			
ECO C201	Mathematical Methods	C	4
ECO C202	Statistical Methods	C	4
ECO C203	Micro Economics - I	C	4
ECO C204	Indian Financial System	C	4
ECO E201	Indian Economic Development	E	3
ECO E202	Monetary Economics	E	3
ECO E203	Data Analysis using Computers	E	3
	Soft Skill	S	2
SEMESTER II			
ECO C205	Theory of Financial Economics	C	4
ECO C206	Micro Economics - II	C	4
ECO C207	Macro Economics	C	4
ECO C208	Financial Accounting	C	4
ECO E204	Basic Econometrics	E	3
ECO E205	Development and Planning	E	3
ECO E206	Date Base for Economic Analysis	E	3
	Soft Skill	S	2
SEMESTER III			
ECO C209	Pricing of Financial Instruments	C	4
ECO C210	Corporate Finance	C	4
ECO C211	Public Finance	C	4
ECO C212	Banking and Insurance	C	4
ECO E207	Econometric Applications to Finance	E	3
ECO E208	Industrial Economics	E	3
ECO E209	Advances in Economic Theory	E	3
	Soft Skill	S	2
	Internship	S	2
SEMESTER IV			
ECO C213	International Finance	C	4
ECO C214	Financial Derivatives	C	4
ECO C215	Behavioural Finance	C	4
ECO E210	International Economics	E	3
ECO E 211	Indian Economic Issues	E	3
ECO E212	Industrial Organisation	E	3
	Soft Skill	S	2

M.Phil. APPLIED ECONOMICS

Course Code	Title of the Course	C/E	Credit
I SEMESTER			
ECO C131	Advanced Economic Theory and Applications	C	5
ECO C132	Research Methodology	C	5
ECO E131	Topics in Applied Economics & Econometrics	E	5
II SEMESTER			
ECO C133	Dissertation and Viva - Voce	C	21

M.Phil. DEVELOPMENT ECONOMICS

Course Code	Title of the Course	C/E	Credit
I SEMESTER			
ECO E301	Recent Trends in Development Economics	E	5
ECO C301	Welfare Economics: Theory and Applications	C	5
ECO C302	Analytical Tools and Data Processing in Economics: Statistical System in India/Data/ Analysis Tools	C	5
II SEMESTER			
ECO C303	Dissertation and Viva- Voce	C	21

P.G. DIPLOMA IN AMBEDKAR THOUGHTS

Course Code	Title of the Course	C/E/ S	Credit
I SEMESTER			
ECO C375	Economic Thoughts of Ambedkar-I	C	4
ECO C376	Social Thoughts of Ambedkar-I	C	4
ECO C377	Economics of Discrimination-I	C	4
ECO C378	Indian Economic Thought-I	C	4
II SEMESTER			
ECO C379	Economic Thoughts of Ambedkar-II	C	4
ECO C380	Social Thoughts of Ambedkar-II	C	4
ECO C381	Economics of Discrimination-II	C	4
ECO C382	Indian Economic Thought-II	C	4
III SEMESTER			
ECO C383	Project Work	C	21

SCHOOL OF INFORMATION AND COMMUNICATION STUDIES

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

A full-fledged teaching Department was established in 1956. Consequently, the Sarada Ranganathan Chair was created in 1959. In 1976, the Masters Programme in Library Science (M. Lib. Sc) was started. In 1980, with the advancement and changing concept in the field, the nomenclature was changed as Library and Information Science. Subsequently the Department was renamed as “Library and Information Science” and the degree offered was also called as MLIS. In 1980 doctoral programme was introduced in the Department both on full-time and part-time basis. Since then nearly 50 candidates have been awarded. In the same year the one-year Masters Degree course was transformed into an interested programme of BLIS and MLIS with a duration of two years. In 1996 the UGC recognized this Department under Special Assistance Programme and this is the first Department in this field to be accorded with this status in India. In 2001 SAP Phase II was also approved. In 2007, the department marched forward for the UGC-Sap DRS Phase III with about 32 lakhs funding. The Thrust Areas include Computer Applications in Information Storage & Retrieval and Design, Development of Multilingual Databases, Multimedia, e-publishing and Digital Library.

All these efforts paved way for the Department to be brought under Science Faculty and in 1993 for the first time in India M.Sc. in Library & Information Science was introduced.

A full fledged computer laboratory has been built up over the years in the Department which is utilized extensively by the students, faculty of this Department and as well as the students of other Departments who register themselves for the Elective Courses conducted by this Department. The department is fully equipped with a modern class room which has infrastructure facility and electronic gadgets for computer aided teaching, training and research.

Department of Journalism and Communication

One of the first journalism programme in Asia (outside Japan) was started by the University of Madras in 1947. The Dept. has a strong tradition in Journalism Education and has been the pioneer in the introduction of Bachelors, Masters, MPhil and Phd programmes for the first time in Tamil Nadu/South India. *Certificate in Journalism (1947-1975)*, *Bachelor of Journalism (BJ) (1975-1979)*, *MA Journalism and Communication 1979*, *MPhil Journalism and Communication 1982*, *PhD Journalism and Communication 1982*, *MSc Electronic Media 2005 (self-supported) -discontinued in 2011*, *MJ (Masters in Journalism) Online Media 2011 attest to the pioneering attempts by the Department*. The Dept. focuses on activities and field work based learning (three student groups work in the areas of Urban Affairs Reporting with a focus on slums in Chennai, Visual anthropology and Theatre and folk arts. The student members undertake regular field visits and submit reports. These activities are meant to expose them to issues of social realities as well as interdisciplinarity. 24/7 Class Room on Facebook has been successfully implemented for subjects such as film studies and tamil journalism. Since 2008, the Dept. has been tapping the MoUs and its network of foreign contacts to have collaborative workshops, training programmes and internship programmes. At present, the Dept. has *MoUs with Hallym University, South Korea; Aalborg University, Denmark; University of Jaffna, Srilanka and*

Nanzan University, Japan .The Dept. launched the *Media and Society Seminar Series* during 2008- 2009 to conduct skills based workshops and seminars *every month* focussing on extended class room learning, research and community linkages. Nearly 30 seminars have been conducted so far with the support of internationally renowned scholars from different disciplines and experts from India. The *Department's Experimental Theatre Group Muttram* was inaugurated to promote group communication skills, acting skills. script writing skills, cultural and communication competencies among communication students even as it seeks to promote the folk and theatre arts of Tamil Nadu.

Faculty

Dr. V. Chandrakumar, Ph.D

Chairperson

Journalism and Communication

Dr. G. Ravindran, Ph.D

Professor and Head

Mr. N.A.T. Leo Fernando

Assistant Professor

Dr. Beulah Rachel Rajarathnamani, Ph.D

Assistant Professor

Dr. T. Jaisakthivel, Ph.D

Assistant Professor

Ms. M. Kalavathy

Assistant Professor

Library and Information Sciences

Dr. V. Chandrakumar, Ph.D

Associate Professor and Head i/c

Dr. A. Perumal

Assistant Professor

Dr. H. Fazlunnisa

Assistant Professor

M.A. JOURNALISM AND COMMUNICATION

Course Code	Title of the Course	C/E/S	Credit
SEMESTER I			
CIS C001	History of Communication	C	4
CIS C002	News Reporting I	C	4
CIS C003	News Editing and Writing	C	4
CIS C004	Print Journalism Practical I	C	4
CIS E001	Indian Constitution and Communication Laws	E	3
CIS E002	Indian Society, History and Politics	E	3
UOM S001	Soft Skill	S	2
SEMESTER II			
CIS C005	Comparative Communication Systems	C	4
CIS C006	Theories of Communication and Culture	C	4
CIS C007	News Reporting II	C	4
CIS C008	Print Journalism Practical II	C	4
CIS E003	Public Relations	E	3
CIS E004	Tamil Society, History and Politics	E	3
CIS E010	Media and Gender	E	3
CIS E011	Business Communication	E	3
UOM S002	Soft Skill	S	2

SEMESTER III			
CIS C009	Radio Journalism	C	4
CIS C010	Communication Research Methods	C	4
CIS C011	Radio Journalism Practical	C	4
CIS C013	Film Studies	C	4
CIS E005	Tamil Journalism	E	3
CIS E006	Performing Arts and Communication	E	3
CIS E012	Advertising	E	3
UOM S003	Soft Skill	S	2
UOM I001	Internship	I	2
SEMESTER IV			
CIS C014	Television Journalism	C	4
CIS C015	Television Journalism Practical	C	4
CIS C016	Practice Journal	C	4
CIS E007	Cross Cultural Communication	E	3
CIS E008	Communication Ethics and Policies	E	3
CIS E 009	Environmental Journalism	E	3
UOM S004	Soft Skill	S	2

M.J. ONLINE MEDIA

CourseCode	Title of the Course	C/E/S	Credit
SEMESTER I			
CIS C101	History of Communication	C	4
CIS C102	News Reporting I	C	4
CIS C103	News Editing and Writing	C	4
CIS C104	Print Journalism Practical I	C	3
CIS E001	Indian Constitution and Communication Laws	E	3
CIS E002	Indian Society, History and Politics	E	3
UOM S001	Soft Skill	S	2
SEMESTER II			
CIS C105	Comparative Communication Systems	C	4
CIS C106	Theories of Communication and Culture	C	4
CIS C107	News Reporting II	C	4
CIS C108	Print Journalism Practical II	C	3
CIS E003	Public Relations	E	3
CIS E004	Tamil Society, History and Politics	E	3
CIS E010	Media and Gender	E	3
CIS E011	Business Communication	E	3
UOM S002	Soft Skill	S	2
SEMESTER III			
CIS C109	Internet Mediated Communication	C	4
CIS C110	Web 2.0 Journalism	C	4
CIS C111	Web 2.0 Journalism Practical	C	3
CIS C112	Online Research Method	C	4
CIS E005	Tamil Journalism	E	2
CIS E006	Performing Arts and Communication	E	2
CIS E012	Advertising	E	3
UOM S003	Soft Skill	S	2
UOM I001	Internship	I	2

SEMESTER IV			
CIS C113	Mobile Phone Communication	C	4
CIS C114	Mobile Journalism	C	4
CIS C115	Mobile Journalism Practical	C	3
CIS C116	Project	C	4
CIS E007	Cross Cultural Communication	E	3
CIS E008	Communication ethics and Policies	E	3
UOM S004	Soft Skill	S	2

M. Lib.I Sc- MASTER OF LIBRARY AND INFORMATION SCIENCE

Course Code	Title of the Course	C/E/S	Credit
SEMESTER I			
CIS C201	Foundation of Library & Information Science	C	4
CIS C202	Principles and Techniques of Management	C	4
CIS C203	Introduction to IT and Programming	C	4
CIS C204	Information Sources	C	4
CIS E201	Academic Library System	E	3
	Soft Skill	S	2
SEMESTER II			
CIS C205	Information Products and Services	C	4
CIS C206	Knowledge Organization (Theory)	C	4
CIS C207	Information Storage & Retrieval	C	4
CIS E202	Community Information Services	E	3
CIS E203	Documentation	E	3
	Soft Skill	S	2
SEMESTER III			
CIS C208	Knowledge Organisation (Practice-I: Classification)	C	4
CIS C209	Knowledge Organisation (Practice -II: Cataloguing and Metadata)	C	4
CIS C210	Library Management & Automation	C	4
CIS C211	Elements of Statistics and Research Methods	C	4
CIS E204	Marketing of Information Services and Products	E	3
CIS E205	Information System for Industry	S	3
UOM I001	Internship	I	2
	Soft Skill	S	2
SEMESTER IV			
CIS C212	Content Management	C	4
CIS C213	Web technology	C	4
CIS C214	Digital Libraries	C	4
CIS C215	Informetrics	C	4
CIS E206	Electronic Publishing	E	3
CIS E207	Knowledge Management	E	3
	Soft Skill	S	2

M.Phil. COMMUNICATION (Full-Time)

Subject Code	Title of the Course	C/E/S	Credits
I SEMESTER			
CIS C021	Research Methods for Social Science	C	5
CIS C023	Public Opinion Studies	C	5
CIS C022	Critical Theories and Philosophies	C	5
II SEMESTER			
CIS C024	Research Seminar	C	5
CIS C025	Dissertation	C	16

SCHOOL OF PHILOSOPHY AND RELIGIOUS THOUGHT

The School of Philosophy and Religious Thought comprises of the departments of Philosophy, Saiva Siddhantha, Vaishnavism, Jainology and Christian Studies.

The department of Indian Philosophy was started in 1957 for promoting South Indian Philosophical thought. Prof. S.S.Suryanarayana Sastri and Prof.T.M.P.Mahadevan have rendered exemplary services in the department to make it Dr.S.Radhakrishnan Centre for Advanced Study in Indian Philosophy in 1964. Currently the department offers Masters, M.Phil, Ph.D. and P.G. Diploma Programmes.

During the Post centenary Silver Jubilee celebrations of the University of Madras in 1984 the department of Saiva Siddhantha was started. It offers Certificate, Diploma, Masters and Ph.D. Programmes.

The department of Vaishnavism was also started during the 1984 Post Centenary Silver Jubilee Celebrations. The department now offers Masters and Ph.D. Programmes.

The department of Jainology was also started in 1984. It offers Masters, Ph.D. and P.G. Diploma Programmes.

The department of Christian Studies was also created during the 1984 Post Centenary Silver Jubilee Celebrations. It offers Masters, M.Phil., Ph.D., P.G. Diploma Programmes and Certificate Programmes.

Following are the four Post Graduate Diploma courses conducted :

1. Ethics and Human Resource Management
2. Ethics and Biotechnology
3. Christian Spirituality and Counselling
4. Biblical Languages and Interpretation

The Justice Basheer Ahmed Sayeed centre for Islamic Studies offers Masters and M.Phil Programmes.

Faculty

Dr. G. Patrick, Ph.D

Chairperson

Philosophy

Dr. M. Venkatachalapathy, Ph.D

Assistant Professor Head i/c

Saiva Siddhantha

Dr. S. Saravanan, Ph.D

Professor & Head

Vaishnavisam

Dr. K. Dayanidhi Ph.D

Assistant Professor & Head i/c

Jainology

Dr. Priyadarshana Jain, Ph.D

Assistant Professor & Head i/c

Christian Studies

Dr. G. Patrick, Ph.D

Professor & Head

Dr. James Ponniah, Ph.D

Assistant Professor

Justice Basheer Ahmed Sayeed Centre for Islamic Studies

Mr.P.K. Abdul Rahiman, M.Phil

Assistant Professor & Head i/c

M.A. INDIAN PHILOSOPHY

Course Code	Title of the Course	C/E/S	Credit			
			L	T	P	
I SEMISTER						
PRT C001	Foundation of Indian Philosophy	C	3	1	0	4
PRT C002	Critical Appraisal of the Philosophy of Advaita	C	2	1	0	3
PRT C003	Logic	C	2	1	0	3
PRT C004	Contemporary Indian Philosophy	C	3	1	0	4
PRT E001	Indian Philosophy of Beauty	E	2	1	0	3
PRT E002	Philosophy of Saint Ramalingar	E	2	1	0	3
PRT E003	Thoughts of Pundit C. Iyodhi Doss – in a Post Colonial Context	E	2	1	0	3
UOM S001	Soft Skills	S				2
II SEMISTER						
PRT C005	Introduction to Hermeneutics	C	2	1	0	3
PRT C006	Sankara's Critique of Other Schools	C	2	0	0	3
PRT C007	Introduction to Schools of Saivism	C	2	1	0	3
PRT C008	Political Philosophy	C	3	1	0	4
PRT C009	Philosophy of Science	C	2	1	0	3
PRT E004	Ancient Indian Political Thought	E	2	1	0	3
PRT E005	Yoga: Theory and Practice	E	2	1	0	3
PRT S001	Self-study	S				3
UOM S002	Soft Skills	S				2

III SEMESTER						
PRT C010	Buddhism	C	3	1	0	4
PRT C011	Ancient and Modern Western Philosophy	C	2	1	0	3
PRT C012	Sivagananabodham	C	2	1	0	3
PRT C013	Siddha Yoga	C	2	1	0	3
PRT C014	Moral Philosophy	C	3	1	0	4
PRT E006	Gandhian Philosophy	E	2	1	0	3
PRT E007	Social and Political Philosophy of Dr.B.R. Ambedkar	E	2	1	0	3
UOM I001	Internship	I				2
PRT S002	Self-study	S				3
UOM S003	Soft skills	S				2
IV SEMESTER						
PRT C015	Mandukyakarika of Gaudapada	C	3	1	0	4
PRT C016	Research Methodology in Philosophy	C	2	1	0	3
PRT C017	Contemporary Western Philosophy	C	2	1	0	3
PRT C018	Indian Social Philosophy	C	2	1	0	3
PRT C019	Dissertation	C				4
PRT E008	Religion and Philosophy of Tamils	E	2	1	0	3
PRT E009	Literary sources of Indian Aesthetics	E	2	1	0	3
PRT E010	Philosophy of Religion	E	2	1	0	3
PRT E011	Swami Vevekananda on Spirituality	E				3
PRT S003	Self-study	S				3
UOM 1001	Soft Skills	S				2

M.A. BUDDHISM

Course Code	Title of the Course	C/E/S	Credits			
I SEMESTER						
PRT C047	Pre – Buddhist Indian	C	4			
PRT C048	Introduction to Non-Buddhist Indian Philosophy	C	4			
PRT C049	Life of Gautama Buddha	C	4			
PRT C050	History of Indian Buddhism	C	4			
PRT E022	Buddhist Art & Architecture	E	3			
PRT E023	Religious Philosophy	E	3			
UOM S001	Soft Skills	S	2			
II SEMESTER						
PRT C051	Buddhist Pali Literature & Philosophy	C				4
PRT C052	Buddhism in Abroad	C				4
PRT C053	Buddhist Ethics	C				4
PRT C054	Buddhism in Tamil Nadu	C				4
PRT E024	Buddhist Education	E				3
PRT E025	Woman in Buddhism	E				3
UOM S002	Soft Skills	S				2
III SEMESTER						
PRT C055	Buddhist Sanskrit Literature and Philosophy	C				4
PRT C056	Buddhist Logic and Epistemology	C				4

PRT C057	Social & Political Philosophy of Buddhism	C				4
PRT C058	Buddhism in Modern India	C				4
PRT E026	ZEN Buddhism	E				3
PRT E027	Yoga Philosophy	E				3
PRT S003	Soft Skills	S				2
UOM I001	Internship	I				2
IV SEMESTER						
PRT C059	Buddhist Meditation & Healing	C				4
PRT C060	Research Methodology in Buddhist	C				4
PRT C061	Disseration	C				5
PRT E028	Buddhist Ritual	E				3
PRT S009	Self Study	S				3
UOM I001	Soft Skills	S				2

**M.A. COMPARATIVE RELIGION AND PHILOSOPHY WITH SPECIALISATION
IN SAIVA SIDDHANTA**

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
PRT C401	History of Saiva Siddhanta	C	4
PRT C402	Saiva Schools	C	4
PRT C403	Theory of Knowledge/ Epistemology	C	4
PRT E401	Philosophy and Religion in Tamil Classics	E	3
PRT E402	Foundations of Saiva Siddhanta	E	3
UOM S001	Soft Skill	S	2
II SEMESTER			
PRT C404	Essentials of Metaphysics	C	4
PRT C405	Introduction to Saiva Siddhanta Sastras	C	4
PRT C406	Saiva Siddhanta Sastra's Critique of other Schools	C	4
PRT E403	Essentials of Kevaladvaita/ Sankara Vedanta	E	3
PRT E404	Philosophy of Karaikkal Ammaiyar and Thirumoolar	E	3
UOMS002	Soft Skill	S	2
III SEMESTER			
PRT C407	Sivagnana Bodhamand its Commentaries - I	C	3
PRT C416	Introducation to Saiva Agama	C	3
PRT C408	Dasa Karyam or Avvai Gana Kural	C	3
PRT C409	Atheism in Indian Philosophy	C	2
PRT C410	Panchakshara and Dance of Siva	C	3
PRT E405	Aesthetics in Saiva Temples	E	3
PRT E406	Philosophy of Yoga	E	3
UOM S003	Soft Skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
PRT C411	Contemporary Saiva Siddhanta or Ulloor Sivasubramaniyar cadhakam	C	3
PRT C412	Philosophy of Libration of Eternal Life - Maranam Illa Peruvaazhvu	C	3

PRT C413	Comparative Studies of Nayanmars and Alwars	C	3
PRT C414	Mysticism or Nalvazhi and Siva Boga Caram	C	2
PRT C415	Project Work	C	6
PRT C417	Sivagana Bodham and its Commentaries - II	C	3
PRT C418	Kaamiga Agama	C	2
PRT E407	Philosophy of Thirukkural	E	3
UOM S004	Soft Skill	S	2

M.A. IN ŚAIVA SIDDHĀNTA, SAIVA ĀGAMAS AND PANNIRUTIRUMURAI CLASSICS

Course code	Title of the course	C/E/S	Credit
I SEMESTER			
PRT C301	Śaiva Siddhānta: Its Historicity	C	4
PRT C302	Introduction to Āgamas	C	4
PRT C303	Theory of Knowledge (Epistemology)	C	4
PRT C304	Sambandar Tēvāram, 1,2,3.	C	4
PRT E301	Periyapurānam – I	E	3
PRT E302	Nālvar Nānmanimālai – by Śivaprakāsar	E	3
UOM S001	Soft Skill	S	2
II SEMESTER			
PRT C305	Unmai Vilakkam	C	4
PRT C306	Appar Tēvāram 4,5,6.	C	4
PRT C307	Śivabhoga Sāram (or) Pañcākkara Pahro- dai	C	4
PRT C308	Introduction to Āgamas – II	C	4
PRT E303	Kumaraguruparar	E	3
PRT E304	Periyapurānam – II	E	3
UOM S002	Soft Skill	S	2
III SEMESTER			
PRT C309	Śivaprakāsam (VV1-50)	C	4
PRT C310	Śivajñāna Siddhiyār {Pati, Paśu, Pāśam} (1 – 6 Sūtras)	C	4
PRT C311	Sivajñāna bodham _C. of Śivajñāna muni- var – Māpādiyam (Sūtras 1-6)	C	4
PRT C318	Sundarar Tēvāram	C	4
PRT E305	Yoga of Patajñali (or) Periyapurānam - III	E	3
PRT E306	Śatamanikkovai or Tirukkurlil Śaivasiddhānta	E	3
UOM S003	Soft Skill	S	2
UOM I001	Internship - Visit to Temples – Mutts - Meditation Centres, and NGOs.	I	2
IV SEMESTER			
PRT C313	Śivajñāna Siddhiyār (7 - 12 Sūtras)	C	4
PRT C314	Sivajñāna bodham _C. of Śivajñāna muni- var – Māpādiyam (Sūtras 7-12)	C	4
PRT C315	Kiranāgamam Jñānapādam	C	4
PRT C316	Sankarpa Nirākarakam	C	4
PRT E307	Tirumandiram	E	3
PRT E308	Periyapurānam – IV	E	3
UOM S004	Soft Skill	S	2
PRT C317	Dissertation	C	8

M.Phil. PHILOSOPHY

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
PRT C021	Research Methodology	C	5
PRT E022	Western and Indian Metaphysics	C	5
PRT E021	Western and Indian Epistemology	E	5
II SEMESTER			
PRT C023	Dissertation and Viva- Voce	C	21

M.PHIL IN SAIVA SIDDHANTA

Course Code	Title of the Course	C/E/S	Credits
I SEMESTER			
PRT C001	Research Methodology	C	4
PRT C002	Comparative Study: Tatva Prakasam and Sivaneri	C	4
PRT C003	Saiva Siddhanta in 19 th & 20 th Century	C	3
PRT E001	Thaharalaya Rahasiyam	E	4
II SEMESTER			
PRT C004	Dissertation and Viva-Voce	C	21

P.G. DIPLOMA IN PEACE AND COMMUNAL HARMONY

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
PRT C024	Paper I - Introduction to Social Philosophy	C	5
PRT C025	Paper II – Indian Reform Movements	C	5
PRT C026	Paper III – Human Rights	C	5
II SEMESTER			
PRT C027	Paper IV – Introduction to Social Harmony	C	5
PRT C028	Paper V – Peace Movements	C	5
PRT C029	Paper VI – Gandhian Thought	C	5
III SEMESTER			
PRT C030	Paper VII – Project	C	6

PG DIPLOMA IN SAIVA SIDDHANTA

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
PRT C476	Introduction to Saiva Siddhanta Sastras	C	4
PRT C477	Introduction to Thirumurais	C	4
PRT E476	Kumara Kurubarar's Kandhar Kali Venba	E	3
II SEMESTER			
PRT C478	Unmai Vilakkam	C	4
PRT E477	Thiru Anda Paguthy Manickavasakar	E	3
III SEMESTER			
PRT C479	Siddhiyar Subakkam with Commentary of Sivagnana Munivar	C	4
PRT C480	Umaphathi Sivacharyar's Tevara Arul Murai Thiratu	C	4
IV SEMESTER			
PRT C481	Contemporary of Saiva Siddhanta	C	4
PRT C482	Project Work	C	6

M.A. DIVYAPRABANDHAM

Course Code	Title of the Course	C / E / S	Credit
SEMESTER I			
PRT C221	Thiruvoimozhi - I	C	4
PRT C222	Thiruvoimozhi - II	C	4
PRT C223	Thiruvoimozhi - III	C	4
PRT C224	Thiruvoimozhi - IV	C	3
PRT E211	Songs of Mudal Azhwar	E	3
PRT E212	Songs of Thirumazhisai Azhwar	E	3
	Soft Skill	S	2
SEMESTER II			
PRT C225	Thiruvoimozhi - V	C	4
PRT C226	Thiruvoimozhi - VI	C	4
PRT C227	Thiruvoimozhi - VII	C	4
PRT C228	Thiruvoimozhi - VIII	C	3
PRT E213	Songs of Nammazhwar	E	3
PRT E214	Songs of Periyazhwar	E	3
	Soft Skill	S	2
SEMESTER III			
PRT C229	Thiruvoimozhi - IX	C	4
PRT C230	Thiruvoimozhi - X	C	4
PRT C231	Thiruvoimozhi - XI	C	4
PRT C232	Thiruvoimozhi - XII	C	3
PRT E215	Songs of Andal	E	3
PRT E216	Songs of Thirumangai Azhwar	E	3
UOM S003	Soft Skill	S	2
	Internship	I	3
SEMESTER IV			
PRT C233	Thiruvoimozhi - XIII	C	4
PRT C234	Thiruvoimozhi - XIV	C	4
PRT C235	Thiruvoimozhi - XV	C	4
PRT C236	Thiruvoimozhi - XVI	C	3
PRT E217	Songs of Kulasekara Azhwar	E	3
	Soft Skill	S	2

M.A. YOGA : THEORY AND PRACTICE

Course Code	Title of the Course	C / E / S	Credit
SEMESTER I			
PRT C031	Introduction to Indian Philosophy	C	4
PRT C032	Yoga in Pre-Upanishads period	C	4
PRT C033	Philosophy of Samkhya	C	4
PRT C034	Yoga –Sutra (Part – I)	C	4
PRT E012	Indian Philosophy of Beauty	E	3
PRT E013	Philosophy of St. Ramalingar	E	3
	Soft Skill	S	2

SEMESTER II			
PRT C035	Philosophy of Citta	C	4
PRT C036	Bhagavat-Gita and Yoga	C	4
PRT C037	Siddha and Yoga	C	4
PRT C038	Yoga – Sutra (Part – II)	C	4
PRT E014	Indian Social Philosophy	E	3
PRT E015	Philosophy of Religion	E	3
PRT S004	Self –Study	S	3
UOM S002	Soft Skills	S	2
SEMESTER III			
PRT C039	Integral Yoga of Sri Autrobindo	C	4
PRT C040	Modern Yoga Sects	C	4
PRT C041	Swami Vivekananda on Yoga	C	4
PRT C042	Yoga- Pratical I	C	4
PRT E016	Studies on J.Krishnamoorthi	E	3
PRT E017	Mahatma Gandhi of Meditation	E	3
UOM S003	Soft Skills	S	2
PRTS 005	Self Study	SD	3
UOMI 001	Internship	I	2
SEMESTER IV			
PRT C043	Yoga and Zen Buddhism	C	4
PRT C044	Hatha Yoga	C	4
PRT C045	Yoga Pratical II (Pranayama and Dhyana)	C	4
PRT E018	Religion and Philosophy of Tamils	E	3
UOM 1001	Soft Skills	s	2
PRT S006	Self Study	S	32

M.A. VAISHNAVISM

Course Code	Title of the Course	C/E/S	L	T	P	Credit
I SEMESTER						
PRT C201	Historical Development of Vaishnavism - I	C	3	1	0	4
PRT C202	Early Tamil Texts in Vaishnavism	C	3	1	0	4
PRT C203	Hymns of Periyalvar	C	2	1	0	3
PRT C204	Vaishnavism in Early Sanskrit Texts	C	2	1	0	3
PRT E201	Hymns of Mudal Alvars	E	2	1	0	3
PRT E202	Sanskrit Stotras in Vaishnavism	E	2	1	0	3
UOM S001	Soft Skill	S	2			2
II SEMESTER						
PRT C205	Historical Development of Vaishnavism - II	C	3	1	0	4
PRT C206	Hymns of Tirumangai Alvar	C	3	1	0	4
PRT C207	Rahasya Granthas of Lokacharya	C	3	1	0	4
PRT C208	Basic Concepts of Visishtadvaita	C	2	1	0	3
PRT E203	Hymns of Kulasekara Alvar	E	2	1	0	3
PRT E204	Special Tamil Texts in Vaishnavism	E	2	1	0	3
UOM S002	Soft Skills	S				2

III SEMESTER						
PRT C209	Hymns of Nammalvar	C	3	1	0	4
PRT C210	Doctrines of Visishtadvaita I	C	3	1	0	4
PRT C211	Rahasya Granthas of Nayanar	C	3	1	0	4
PRT C212	Special Sanskrit Texts in Vaishnavism	C	2	1	0	3
PRT E205	Hymns of Andal	E	2	1	0	3
PRT E206	Hymns of Tirumalisai Alvar	E	2	1	0	3
UOM S003	Soft Skills	S				2
UOM S001	Internship	I				2
IV SEMESTER						
PRT C213	Doctrines of Visishtadvaita II	C	3	1	0	4
PRT C214	Rahasya Grantha of Vedanta Desika	C	3	1	0	4
PRT C215	Srivaishnava Commentary Tradition	C	3	1	0	4
PRT C216	Songs of Pillai Perumal Tradition	C	2	1	0	3
PRT E207	Vaishnavism in Tamil Literature	E	2	1	0	3
UOM S004	Soft Skills	S				2

M.A. JAINA STUDIES

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
PRT C901	History of Jaina Tradition	C	4
PRT C902	General Introduction to Jain Scriptures	C	4
PRT C903	Ethical Doctrines in Jainism	C	4
PRT C904	Study of Acharanga Sutra	C	4
PRT E901	Environmental Awareness in Jainism	E	3
PRT E902	Meditation and Personality Development	E	3
PRT E903	Stories and Parables from Jain Scriptures	E	3
UOM S001	Soft Skill	S	2
II SEMESTER			
PRT C905	Jaina Metaphysics	C	4
PRT C906	Introduction to Indian Philosophy	C	4
PRT C907	Study of Samayasara	C	4
PRT C908	Basics of Prakrit Language and Grammar	C	4
PRT E904	Tirukkural and Jainism	E	3
PRT E905	Karma and Rebirth in Indian Religions	E	3
PRT E906	Art of Right Living and Holistic Health	E	3
UOM S002	Soft Skill	S	2
III SEMESTER			
PRT C909	Jaina Epistemology and Logic	C	4
PRT C910	Study of the Text of Tattvartha Sutra	C	4
PRT C911	Study of Uttaradhyayana Sutra	C	4
PRT C912	A Study of Ganadharavada	C	4
PRT E907	Jainism in Tamilnadu	E	3
PRT E908	Jainism and Indian Culture	E	3
PRT E909	Readings from Jain Agamas & Stotras	E	3
UOM S002	Soft Skill	S	2
UOM 1001	Internship – Visit to Temples/ Meditation Centers/ NGO/Mutts	I	2

IV SEMESTER			
PRT C 913	Jaina Yoga and Sadhana	C	4
PRT C914	Study of Jaina Ethical Works	C	4
PRT C915	Legend of Srimad Rajchandra	C	4
PRT C916	Dissertation	C	6
PRT E910	Prominent Jain Teachers and Acharyas	E	3
PRT E911	Jaina Astrology	E	3
PRT E912	Business Ethics and Corporate Social Responsibility	E	3
PRT E913	Introduction to World Religions	E	3
PRT E914	Jaina Spirituality and Rituals	E	3
UOM S004	Soft Skill	S	2

**M.A. COMPARATIVE RELIGION AND PHILOSOPHY WITH SPECIALIZATION
IN CHRISTIAN STUDIES**

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
PRT C101	Methodology of Study and Research	C	2
PRT C102	Christianity : Introduction and History	C	4
PRT C103	Old Testament I : General introduction and Pentateuch	C	2
PRT C104	Indian Christianity :Thought and History	C	3
PRT C105	Sociology of Religion	C	2
PRT E101	Christian Spirituality : Elements & History	E	3
PRT E102	Introduction to Christianity	E	3
PRT E103	Religion and Peace	E	3
PRT E106	Contemporary Debate on Human Rights	E	3
PRT E104	Inter – faith Relations: Practice and Conversations	E	3
	Soft Skill	S	2
II SEMESTER			
PRT C106	Christian understanding of God	C	4
PRT C107	Christian Ethics and Social Thought	C	4
PRT C108	Old Testament II : Psalms & Wisdom Literature	C	3
PRT C109	Old Testament III: Historical and Prophetic Literature	C	3
PRT C120	Environment : Christian Perspective	C	2
PRT E107	Psychology of Religion	E	3
PRT E108	Introduction to Christian Scriptures	E	3
PRT E109	Bio-Ethics	E	3
PRT E110	Basics of Greek Language and Grammar	E	3
PRT E111	Modern and Post-modern Western Thought	E	3
PRT E112	Religion and Wholistic Health	E	3
UOM S002	Soft Skills	S	2
III SEMESTER			
PRT C110	Christianity and Culture	C	3
PRT C111	Christian Spirituality and Mysticism	C	2
PRT C112	New Testament I : Person and Message of Jesus in Gospels	C	2
PRT C113	Christian Understanding of Human	C	3
PRT C407	Essentials of Saiva Siddhanta	C	2
PRT C217	Essentials of Vaishnavism	C	2

PRT E105	Christian Classics and Great Christian Thinkers	E	3
PRT E113	Christianity in India General Introduction	E	3
PRT E114	Structuralism and Post structuralism	E	3
PRT E115	Religion and Globalisation	E	3
PRT E116	Social Audit:An Ethical Imperative	E	3
PRT E117	Religion and Eco-Concerns	E	3
	Soft Skills	S	2
UOM I001	Internship	I	2
IV SEMESTER			
PRT C114	Essentials of Christianity	C	2
PRT C115	New Testament II : Acts, Epistles and Revelation	C	4
PRT C116	Christian Practices and Beliefs	C	3
PRT C117	Dissertation	C	6
PRT C312	Essentials of Jainism	C	2
PRT E118	Feminism and Religions	E	3
PRE E119	Religion and Civil Society	E	3
PRTE 120	Spirituality and Counselling	E	3
PRT E121	Basic of Hebrew Language and Grammer	E	3
	Soft Skills	S	2

M.A. CHRISTIAN SCRIPTURES

Course Code	Title of the Course	C/E/S	Credits
SEMESTER I			
PRT C801	General Introduction to Christian Scriptures	C	3
PRT C802	Pentateuch	C	3
PRT C803	Synoptic Gospels	C	4
PRT C804	Acts of the Apostles & Early Christianity	C	3
PRT C805	Biblical Spirituality	C	3
PRT E801	Greek – I	E	3
PRT E802	Indian Translations of Bible	E	3
PRT E803	General Introduction to Para-Biblical Judaism	E	3
PRT E804	Biblical Resources for Counselling	E	3
	Soft Skills	S	2
II SEMESTER			
PRT C806	Historical Books	C	3
PRT C807	Prophetic Literature	C	3
PRT C808	Gospel of John	C	2
PRT C809	Biblical Understanding of the Person and Message of Jesus	C	3
PRT E805	Greek – II	E	3
PRT E806	Christian Scriptures and Contemporary Social Concerns	E	3
PRT E807	Approaches of Indian Thinkers to Bible	E	3
PRT E808	Bible and Tamil Christian Literature	E	3
	Soft Skills	S	2
III SEMESTER			
PRT C810	Biblical Hermeneutics	C	3

PRT C811	Wisdom Literature and Psalms	C	4
PRT C812	Christianity: History, Beliefs and Practices	C	3
PRT C813	Pauline Letters	C	4
PRT C814	Biblical Understanding of the Human	C	3
PRT E809	Hebrew – I	E	3
PRT E810	Subaltern Perspectives in the Bible	E	3
PRT E811	Peace Education and Bible	E	3
PRT E812	Bible and Eco-concerns	E	3
UOM I001	Internship	I	2
	Soft Skills	S	2
IV SEMESTER			
PRT C815	Letter to Hebrews & General Letters	C	2
PRT C816	Book of Revelation & Apocalyptic Literature	C	3
PRT C817	Bible and Christian Ethics	C	3
PRT C818	Literature of the New Testament Times	C	2
PRT C819	Dissertation	C	6
PRT E813	Hebrew – II	E	3
PRT E814	Feminism and Bible	E	3
PRT E815	Bible and Inter-textual Readings	E	3
PRT E816	Bible and Human Rights	E	3
	Soft Skills	S	2

M.A. ISLAMIC STUDIES

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
PRT C501	Qur'anic Studies: Methodology and Approach	C	4
PRT C502	Studies in Hadith Methodology	C	4
PRT C503	Islamic History-I	C	4
PRT C504	Introduction to Arabic Language	C	4
PRT E501	Islam and Human Rights	E	3
PRT E502	Introduction to Islam	E	3
UOM S001	Soft Skill	S	2
II SEMESTER			
PRT C505	Islamic Law and Jurisprudence	C	4
PRT C506	Development of Islamic Thought	C	4
PRT C507	Islamic History - II	C	4
PRT C508	Revival and Reform in Islam	C	4
PRT E503	Islamic Philosophy	E	3
PRT E504	Studies in Islamic Economics	E	3
UOM S002	Soft Skill	S	2
III SEMESTER			
PRT C509	Islam in the Public Sphere	C	4
PRT C510	Islamic Culture in the Indian Environment	C	4
PRT C511	Islam in South India	C	4
PRT E505	Women and Gender in Islam	E	3
UOM I001	Internship	S	2
UOM S003	Soft Skill	S	2

IV SEMESTER			
PRT C512	Studies in Sufism	C	4
PRT C513	Orientalism and Islam	C	4
PRT C514	Islam, State and Politics	C	4
PRT C515	Islamic Movements	C	4
PRT E506	Islam and Applied Ethics	E	3
PRT E507	Women and Law in the Muslim World	E	3
UOM S004	Soft Skill	S	2

M.Phil. VAISHNAVISM

Course Code	Title of the Course	C/E	Credit
I SEMESTER			
PRT C701	Research Methodology	C	5
PRT C702	Srivaishnava Commentary Traditon	C	5
PRT E701	Introduction to Visishtadvaita Philosophy	E	5
II SEMESTER			
PRT C703	Dissertation	C	21

M.Phil. CHRISTIAN STUDIES

Course Code	Title of the Course	C/E	Credit
I SEMESTER			
PRT C131	Theological Methods and Research Methods in Social Sciences	C	5
PRT C132	Hermeneutics	C	5
PRT C133	Religions in Contemporary India	C	5
PRT E131	Selected Questions in Applied Religion	E	5
II SEMESTER			
PRT C134	Dissertation and Viva - Voce	C	21

M.Phil ISLAMIC STUDIES

Course Code	Title of the Course	C / E	Credit
I SEMESTER			
PRT C551	Research Methodology	C	5
PRT C552	Contemporary Trends in Islamic Thought	C	5
PRT C553	Quranic Studies : Text and Context	C	5
PRT E551	Religious Discourse and Public Sphere	E	5
PRT E552	Islam and Gender	E	5
II SEMESTER			
PRT C554	Dissertation and Viva- Voce	C	21

M.Phil JAINA STUDIES

Course Code	Title of the Course	C / E	Credit
I SEMESTER			
PRT C951	Research Methodology	C	5
PRT C952	Study of Tattvartha Sutra	C	5
PRT C953	Origin and Development of Jaina Philosophical Literature	C	5
II SEMESTER			
PRT C954	Dissertation and Viva- Voce	C	21

P.G. DIPLOMA IN ETHICS AND HUMAN RESOURCE MANAGEMENT

Course Code	Title of the Course	C/E	Credit
I SEMESTER			
PRT C175	Paper I : Human Resource Management in General	C	4
PRT C176	Paper II : General Introduction to Ethics	C	4
PRT C177	Paper III : Human Resource Management in General: Rewards, Development and Management	C	4
II SEMESTER			
PRT C178	Paper IV : Personnel and Social Relation in HRM	C	4
PRT C179	Paper V : Leadership Development, Succession, the Future of HRM	C	4
PRT C180	Paper VI: Ethical Issues Related to HRM	C	4
III SEMESTER			
PRT C181	Paper VII : Measuring Ethical Relevance	C	3
PRT C182	Paper VIII: Relevant Ethical Teachings for HRM	C	3
PRT C183	Paper IX: Project	C	6

PG DIPLOMA IN ETHICS AND BIOTECHNOLOGY

Course Code	Title of the Course	C/E	Credit
I SEMESTER			
PRT C676	Paper I: Fundamentals of Biotechnology	C	4
PRT C677	Paper II: General Introduction to Ethics	C	4
PRT C678	Paper III: Bioethics	C	4
II SEMESTER			
PRT C679	Paper IV: Contemporary Issues Related to Human Biotechnology	C	4
PRT C680	Paper V: Contemporary Issues related to Plant Biotechnology	C	4
PRT C681	Paper VI : Societal Issues in Biotechnology	C	4
III SEMESTER			
PRT C682	Paper VII: Biotechnology and Health Care	C	3
PRT C683	Paper VIII: Biotechnology, Information technology and Media	C	3
PRT C684	Paper IX: Project	C	6

P.G. DIPLOMA IN CHRISTIAN SPIRITUALITY AND COUNSELLING

Course Code	Title of the Course	C	Credit
I SEMESTER			
PRT C151	Paper I : Christian Spirituality	C	5
PRT C152	Paper II : Religion and Personality Develop- ment	C	5
PRT C153	Paper III : Spiritual Methods	C	5
II SEMESTER			
PRT C154	Paper IV : Spirituality and Health	C	5
PRT C155	Paper V : Spirituality and Counselling	C	5
PRT C156	Paper VI: Therapies and Spiritual Direction	C	5
PRT C157	Project	C	6

P.G. DIPLOMA IN BIBLICAL LANGUAGES AND INTERPRETATION

Course Code	Title of the Course	C	Credit
I SEMESTER			
PRT C851	Biblical Greek – Level I	C	5
PRT C852	Biblical Greek – Level I	C	5
PRT C 853	Biblical Exegesis and Hermeneutics	C	5
II SEMESTER			
PRT C854	Biblical Greek – Level II	C	5
PRT C855	Biblical Greek – Level II	C	5
PRT C856	Practice of Biblical Interpretation	C	5
PRT C857	Project	C	6

DIPLOMA IN BUDDHIST STUDIES

Course Code	Title of the Course	C/E/S	Credits
PRT C801	History of Buddhism	C	5
PRT C802	Buddhist Metaphysics and Ethics	C	5
PRT C803	Outlines of Indian Philosophy	C	5
PRT C804	Holistic Buddhist Meditation	E	3
Total Credits			18

DIPLOMA IN JAINA TEMPLE MANAGEMENT

Course Code	Title of the Course	C/E/S	Credits
PRT C971	Essentials of Jainism	C	5
PRT C972	Basic Principles of Temple Management	C	5
PRT C973	Svetambara Temple Rituals	C	5
PRT C974	Digambara Temple Rituals	E	5
PRT C975	Project/Practical	C	5
Total Credits			18

CERTIFICATE IN CHRISTIAN SCRIPTURES AND INTERPRETATION

Course Code	Title of the Course	C/E/S	Credit
PRT C126	Old Testament : Survey of the Books and Salient Themes	C	5
PRT C127	New Testament : Survey of the Books and Salient Themes	C	5
PRT C128	Interpreting the Bible Today	C	5
	Total Credits		18

CERTIFICATE IN BUDDHIST STUDIES

Course Code	Title of the Course	C/E/S	Credits
PRT C851	Basic Buddhism	C	4
PRT C852	Detailed Study of Buddhism and its Evolution	C	4
PRT C853	Practical – Buddhist Meditation	C	1
	Total Credits		9

SCHOOL OF FINE AND PERFORMING ARTS

On 19th May 1932, the Registrar of the University issued a notice announcing the starting of a Department of Indian Music. Hitherto music was taught only in Queen Mary's College, an affiliated college of the University, conducting the B.A. degree course in the subject. A one-year course leading to a Diploma was instituted. Along with the Diploma course, admission to Research also started.

Thiru K. Varadachariar, the great musician, respectfully and popularly called "Tiger", was the first lecturer and Head of the Department. With the help of two teaching assistants he conducted the classes in Vocal, Vina and Violin and also guided Research students. Eminent scholars like Thiru M.S.Ramaswami Ayyar and Thiru P.Sambamoorthi were invited to give lectures to students on The History and Theory of Music, respectively.

The establishment of the Department was hailed in music circles all over India and very soon enquiries about the course came pouring in even from as far a place as Rajkot. The diploma course was soon intensified and made into a two-year course from August 1937. Two years later the University also introduced an Oriental title course, Sangita Sironmani, though the department as such did not offer the course. Enrolment of Students for research leading to the M.Litt. degree was also started and in 1940 the first M.Litt. degree was awarded.

In the late forties, Indian Music was introduced in Stella Maris College, Madras, also. In late fifties, M.A. course was commenced there with its students coming to the Department for the Inter- Collegiate classes. Gradually enrolment for Ph.D. degree also commenced in the department.

During the twenty-five years, i.e., from 1937 to 1961, Thiru P. Sambamoorthy was the Head of the Department, initially as a Lecturer and later from 1952 as a Reader. This period witnessed all round activity in teaching, performance and research. Dr. T. Vishwanathan and Dr. Miss Isaac followed him as the Heads of the Department. In 1975, Dr. Miss S. Seetha, Lecturer, took over charge and became a Reader and in quick succession was appointed the first Professor. In 1991, Dr. M.B. Vedavalli succeeded her and in 1995 Dr. N.Ramanathan took over the position as the Head of the Department. In 1998 when the departments in the

M.A. BHARATHANATYAM

Course Code	Title Of The Course	C/E/S	Credit
I SEMESTER			
FPA C001	Foundation Course in Performance (Practical)	C	4
FPA C002	Bharatanatyam Repertoire – 1 (Practical)	C	4
FPA C004	Foundation Course in Dance Music – 1 (Practical)	C	4
FPA C114	Historical and Theoretical Concepts of Fine Arts – 1	C	4
FPA E001	A Literary Survey of Dance concepts	E	3
FPA E002	Dances of India	E	3
	Soft Skill	S	2
II SEMESTER			
FPA C005	Bharatanatyam Repertoire - 2 (Practical)	C	4
FPA C016	Bharatanatyam Repertoire - 3 (Practical)	C	4
FPA C115	Historical and Theoretical Concepts of Fine Arts – 2	C	4
FPA C008	Foundation Course in Dance Music – 2 (Practical)	C	2
FPA E004	Percussion Instruments	E	3
FPA E005	South Indian Art Music – An Appreciation	E	3
	Soft Skill	S	2
III SEMESTER			
FPA C009	Bharatanatyam Repertoire - 4 (Practical)	C	4
FPA C012	Tala and Nattuvangam – 1 (Practical)	C	2
FPA C017	Bharatanatyam Repertoire - 5 (Practical)	C	4
FPA C018	Advanced Theory – 1	C	4
FPA E006	Contemporary Dance Compositions	E	3
FPA E007	Folk Dance Styles of Tamil Nadu – An Appreciation	E	3
FPA E008	Source Readings-Selected Verses and Passages from Tamiz and Samskrta Texts	E	3
	Soft Skill	S	2
UOM 1001	Internship	I	2
IV SEMESTER			
FPA C117	Research Methodology	C	2
FPA C119	Songs from Bhajana Sampradaya	C	2
FPA C120	Yoga and Pranayama (Practical)	C	2
FPA C013	Project Work	C	6
FPA C019	Advanced Theory – 2	C	4
FPA E020	Choreography (Practical)	E	3
FPA E009	Contemporary Dance Books	E	3
	Soft Skill	S	2

M.A. INDIAN MUSIC

Course Code	Title Of The Course	C/E/S	Credit
I SEMESTER			
FPA C101	Foundation Course in Performance – 1 (Practical)	C	4
FPA C102	Kalpita Sangita 1 (Practical)	C	4
FPA C103	Manodharma Sangita 1 (Practical)	C	4
FPA C114	Historical and Theoretical Concepts of Fine Arts - 1	C	4
FPA E101	Devotional Music - Regional Forms of South India (Practical)	E	3
FPA E102	Nandanar Caritram (Practical)	E	3
UOMS001	Soft Skill	S	2
II SEMESTER			
FPA C105	Foundation Course in Performance – 2 (Practical)	C	4
FPA C106	Kalpita Sangita 2 (Practical)	C	4
FPA C107	Manodharma Sangita 2 (Practical)	C	4
FPA C115	Historical and Theoretical Concepts of Fine Arts - 2	C	4
FPA E103	South Indian Art Music – An Appreciation	E	3
FPA E105	Compositions of Muttusvami Dikshitar (Practical)	E	3
FPA E111	Opera – Nauka Caritram (Practical)	E	3
UOMS002	Soft Skill	S	2
III SEMESTER			
FPA C108	Foundation Course in Performance – 3 (Practical)	C	2
FPA C109	Kalpita Sangita 3 (Practical)	C	2
FPA C110	Alapana, Tanam & Pallavi – 1 (Practical)	C	4
FPA C116	Advanced Theory – Music	C	4
FPA E106	Compositions of Syama Sastri (Practical)	E	3
FPA E108	Source Readings-Selected Verses and Passages from Tamiz and Samskrta Texts	E	3
UOMS003	Softs Skill	S	2
UOM1001	Internship	I	2
IV SEMESTER			
FPA C112	Project Work	C	6
FPA C113	Alapana, Tanam & Pallavi – 2 (Practical)	C	4
FPA C117	Research Methodology	C	2
FPA C118	Padams and Javalis (Practical)	C	2
FPA C119	Kalpita Sangita 4 (Practical)	C	2
FPA E114	Compositions of Kotiswara Iyer (Practical)	E	3
FPA E 109	Arunagirinatar's Tiruppugazh (Practical)	E	3
UOMS004	Soft Skill	S	2

M.A. FOLK MUSIC

Course Code	Title of the Course	C / E/S	Credits
I SEMESTER			
FPA C201	Foundation Course in Karnatic Music	C	4
FPA C202	Folk Songs of Kurinji Region	C	4
FPA C203	Culture and Environment - Kurinji	C	4
FPA C204	History of Kurinji Region	C	4
FPA E201	Folk Songs in Tamil	E	3
FPA E202	Folk Theatre in Tamil Nadu	E	3
FPA E203	Learn a Folk Instrument - Tappu	E	3
	Soft Skill	S	2
II SEMESTER			
FPA C205	Archiving - Video and Audio-Equipments	C	4
FPA C206	Folk Songs of Mullai Region	C	4
FPA C207	Culture and Environment - Mullai	C	4
FPA C208	History of Mullai Region	C	4
FPA E204	Folklore of Asia	E	3
FPA E205	Malayalam Folk Songs	E	3
FPA E206	Learn to play Urumi	E	3
FPA E207	Folk narratives in Tamil Nadu	E	3
	Soft Skill	S	2
III SEMESTER			
FPA C209	Documentary Film making	C	4
FPA C210	Folk Songs of Marudam Region	C	4
FPA C211	Culture and Environment - Marudam	C	4
FPA C212	History of Marudam and Neythal Regions	C	4
FPA E208	Telugu and Kannada Folk Songs	E	3
FPA E209	Folk Music in other Indian States	E	3
FPA E210	Role of Folk Music in Films	E	3
FPA E211	Therukkuttu and style of singing	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
FPA C213	Project Work	C	6
FPA C214	Folk Songs of Neythal	C	4
FPA C215	Culture and Environment - Neythal	C	4
	Soft Skill	S	2

M.A. DEGREE IN RHYTHMOLOGY

Course Code	Title Of The Course	C/E/S	Credit
FPA C301	Foundation Course Percussion - 1 (Practical)	C	4
FPA C302	Rhythmical Compositions– 1 (Practical)	C	4
FPA C303	Rhythmical accompaniment for Dance - 1 (Practical)	C	4
FPA C114	Historical and Theoretical Concepts of Fine Arts – 1	C	4
FPA E101	Devotional Music - Regional Forms of South India	E	3
FPA E116	South Indian Art Music – An Appreciation	E	3
	Soft Skill	S	2
FPA C304	Rhythmical Compositions – 2 (Practical)	C	4
FPA C305	Percussion of Neraval (Practical)	C	4

FPA C306	Rhythmical Accompaniment for Dance - 2 (Practical)	C	4
FPA C115	Historical and Theoretical Concepts of Fine Arts - 2	C	4
FPA E103	Sahitya Appreciation / Pronunciation	E	3
FPA E104	North Indian Art Music – An Appreciation	E	3
FPA E105	Compositions of Muttuswami Dikshitar	E	3
	Soft Skill	S	2
III SEMESTER			
FPA C307	Foundation Course Percussion-2 (Practical)	C	4
FPA C308	Accompaniment for Ragam, Tanam and Pallavi - 1 (Practical)	C	4
FPA C309	Advanced Theory - Percussion	C	4
FPA E107	Folk Theatre and Music	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
FPA C117	Research Methodology	C	4
FPA C120	Yoga and Pranayama	C	2
FPA C119	Songs from Bhajana Sampradaya	C	2
FPA C311	Project Work	C	6
FPA C312	Accompaniment for ragam, Tanam and Pallavi – 2 (Practical)	C	4
FPA E109	Learn an Instrument – Veena/Violin	E	3
FPA E110	Films and Fine Arts	E	3
	Soft Skill	S	2

M.Phil INDIAN MUSIC

Course Code	Title Of The Course	C	Credit
I SEMESTER			
FPA C131	Research Methodology and Research Tools	C	5
FPA C132	Areas of Research in Music	C	5
FPA C133	Analysis of Styles of Composers & Performance	C	5
II SEMESTER			
FPA C134	Dissertation & Viva-Voce	C	21

DIPLOMA IN TEACHING METHODOLOGY - ABHINAYA & NATTUVANGAM

Course Code	Title Of The Course	C	Credits
SEMESTER – I			
FPA C901	Foundation 1 – Basic Abhinaya Compositions (Practical)	C	3
FPA C902	Foundation II – Basic Tala Aspects (Practical)	C	3
FPA C903	History of Bharatanatyam – I (Theory)	C	3
SEMESTER - II			
FPA C904	Advanced Abhinaya Compositions (Practical)	C	3
FPA C905	Advanced Tala Aspects (Practical)	C	3
FPA C906	History of Bharatanatyam – II (Theory)	C	3

DIPLOMA IN TEACHING METHODOLOGY IN MUSIC

Course Code	Title Of The Course	C	Credits
SEMESTER – I			
FPA C801	Foundation 1 – Basic (Practical)	C	3
FPA C802	Kalpita 1 - Compositions (Practical)	C	3
FPA C803	History of Music – I (Theory)	C	3
SEMESTER - II			
FPA C804	Foundation 2 - Advanced (Practical)	C	3
FPA C805	Kalpita 2 Compositions (Practical)	C	3
FPA C806	History of Music – II (Theory)	C	3

SCHOOL OF ENGLISH AND FOREIGN LANGUAGES

The School of English and Foreign Languages consists of two Departments : English and French and other Foreign Languages.

The Department of English was established in 1969 and it started specializing in Literary Criticism, Commonwealth Literature, American Literature and English Language teaching. In the last decade it has moved into Postcolonial and Culture Studies. Gender, Theatre, Translation, Dalit, Australian and Canadian Studies have become Core Courses. English for corporate communication, Technical writing are the thrust areas in electives.

The Indian High Commission in London first proposed the creation of French and German Departments in the University of Madras. In 1928, French was taught in the Intermediate and Bachelors courses. In 1983, a full-fledged Department of French came into being offering MA, M.Phil and Ph.D programmes in French as well as certificate and Diploma courses in French and other European languages. In 2010 the Department of French was renamed as Department of French and other Foreign Languages and now also offers Certificate, Diploma and Elective programmes in French, German, Italian, Russian and Spanish. Our fields of specialization are Pedagogy of FLE. Francophone studies (with special emphasis on Quebecois studies) and Translation. Since 2011-2012, we are offering a compulsory Diploma programme that will give our students an important edge in national level.

Faculty

Dr. S. Armstrong, Ph.D

Chairperson

English

Dr. S. Armstrong, Ph.D

Professor & Head

Dr. R. Azhagarasan, Ph.D

Associate Professor

Dr. D. Venkataramanan, Ph.D

Assistant Professor

Ms. Supala Pandiarajan

Assistant Professor

French and other Foreign Languages

Dr. N.C.Mirakamal, Ph.D

Assistant Professor and Head i/c

Ms. K. Srunika

Assistant Professor

Ms. S. Ramya

Assistant Professor

M.A. ENGLISH

Course Code	Title Of The Course	C/E/S	Credit
I SEMESTER			
EFL C001	English Poetry	C	4
EFL C002	Post-Colonial Theory and Literature	C	4
EFL C003	European Drama	C	4
EFL E001	Theatre and Communication I	E	3
EFL E002	Copy Editing	E	3
EFL E003	Communication Skills (Listening and Speaking Skills)	E	3
	Soft Skill	S	2
II SEMESTER			
EFL C004	American Literature	C	4
EFL C005	Language, Linguistics and Communication	C	4
EFL C006	Shakespeare Studies	C	4
EFL C007	Translation Studies	C	4
EFL E004	Copy Writing	E	3
EFL E005	Theater and Communication II	E	3
EFL E010	English Literature for UGC-NET/SLET	E	3
	Soft Skill	S	2
III SEMESTER			
EFL C008	Literary Criticism and Theory	C	4
EFL C009	Critique of Materialism Victorian Prose and Fiction	C	4
EFL C010	Canadian Studies	C	4
EFL C011	Dalit Studies	C	4
EFL E006	Romantic Movement and its Critique	E	3
EFL E007	Contemporary Indian Writing in English	E	3
UOM I001	Internship	I	2
	Soft Skill	S	2
IV SEMESTER			
EFL C012	Modernism and Postmodernism	C	5
EFL C013	Australian Studies: Texts and Contexts	C	5
EFL C014	Project	C	6
EFL E008	Technical Writing	E	3
EFL E009	Film and Media Studies	E	3
	Soft Skill	S	2

M.Phil ENGLISH

Course Code	Name of the Course	C/E	Credits			
			L	T	P	C
I SEMESTER						
EFL C021	Research Skills and Methodology	C	4	1	0	5
EFL C022	Literary Theory and Culture Studies	C	4	1	0	5
EFL E021	Poetry and the Poetics of Resistance	E	4	1	0	5
EFL E022	Language, Literature and Application	E	4	1	0	5
II SEMESTER (21 Credits)						
EFL C023	Dissertation and Viva	C				21

M.A. FRENCH

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
EFL C101	Grammaire du français con- temporain	C	4
EFL C102	Perfectionnement de l'expression écrite	C	4
EFL C103	Perfectionnement de l'expression orale	C	4
EFL C104	Eléments de la civilisation contemporaine	C	4
EFL E101	Français de l'hôtellerie et du tourisme	E	3
	soft skill	S	2
General Electives			
EFL E102	French for Beginners Level - I	E	3
EFL E103	German for Beginners Level - I	E	3
EFL E104	Italian for Beginners Level - I	E	3
EFL E105	Russian for Beginners Level - I	E	3
EFL E106	Spanish for Beginners Level - I	E	3
II SEMESTER			
EFL C105	Histoire de la littérature française du Moyen Age et du XVIe siècle	C	4
EFL C106	Histoire de la littérature française du XVIIe siècle	C	4
EFL C107	Histoire de la littérature française du XVIIIe siècle	C	4
EFL C108	Civilisation – I: Des origins à la Révolution française	C	4
EFL E107	Française des affaires	E	3
	Soft Skill	S	2
General Electives			
EFL E108	French for Beginners <i>Level - II</i>	E	3
EFL E109	German for Beginners <i>Level - II</i>	E	3
EFL E110	Italian for Beginners <i>Level - II</i>	E	3
EFL E111	Russian for Beginners <i>Level - II</i>	E	3
EFL E112	Spanish for Beginners <i>Level - II</i>	S	3
III SEMESTER			
EFL C109	Histoire de la littérature française du XIXe siècle	C	4
EFL C110	Histoire e la littérature française du Xxe siècle	C	4
EFL C111	Civilisation – II: Du Premier Empire à la Ve République	C	4

EFL C112	Initiation à la didactique	C	4
EFL E113	Français scientifique et technique	E	3
UOMI001	Internship	I	2
	soft skill	S	2
General Electives			
EFL E114	French – Intermediate Level-I	E	3
EFL E115	German – Intermediate Level-I	E	3
EFL E116	Italian – Intermediate Level-I	E	3
EFL E117	Russian – Intermediate Level-I	E	3
EFL E118	Spanish – Intermediate Level-I	E	3
IV SEMESTER			
EFL C113	Initiation à la Francophonie et aux littératures francophones	C	4
EFL C114	Initiation à la linguistique générale	C	4
EFL C115	Initiation à la traduction	C	4
EFL E119	Français journalistique et littéraire	E	3
	Soft Skill	s	2
General Electives			
EFL E120	French – Intermediate <i>Level-II</i>	E	3
EFL E121	German – Intermediate <i>Level-II</i>	E	3
EFL E122	Italian – Intermediate <i>Level-II</i>	E	3
EFL E123	Russian – Intermediate <i>Level-II</i>	E	3
EFL E124	Spanish – Intermediate <i>Level-II</i>	E	3

M.Phil. FRENCH

Course Code	Title of the course	C/E	Credits			
			L	T	P	C
FIRST SEMESTER						
EFL C151	Méthodologie de la Recherche	C	4	1	0	5
EFL C153	Littérature Comparée	C	4	1	0	5
EFL E155	Techniques de la Traduction	E	4	1	0	5
EFL E157	Critique Littéraire	E	4	1	0	5
EFL E159	Méthodologie de l'enseignement du français langue étrangère	E	4	1	0	5
SECOND SEMESTER						
EFL C152	Dissertation and Viva-Voce	C	-	-	-	21

POST GRADUATE DIPLOMA IN TECHNICAL WRITING

Course Code	Title of the Course	C	Credits
I SEMESTER			
EFL C301	Introduction to Technical Writing	C	5
EFL C302	Document Design	C	5
EFL C303	English and Technical Writing	C	5
EFL C304	Technical Application - I	C	8
EFL C305	Technical Application - II	C	8
EFL C306	User Manual	C	3
EFL C307	Assignment	C	2

CERTIFICATE IN FRENCH

Course Code	Title of the Course	C/E	Credits
EFL C251	French for Beginners - Oral	C	3
EFL C252	French for Beginners - Written	C	3
EFL E251	Contemporary French Culture	E	3

CERTIFICATE IN GERMAN

Course Code	Title of the Course	C/E	Credits
EFL C253	German for Beginners - Oral	C	3
EFL C254	German for Beginners - Written	C	3
EFL E252	Contemporary German Culture	E	3

CERTIFICATE IN ITALIAN

Course Code	Title of the Course	C/E	Credits
EFL C255	Italian for Beginners - Oral	C	3
EFL C256	Italian for Beginners - Written	C	3
EFL E253	Contemporary Italian Culture	E	3

CERTIFICATE IN SPANISH

Course Code	Title of the Course	C/E	Credits
EFL C259	Spanish for Beginners - Oral	C	3
EFL C260	Spanish for Beginners - Written	C	3
EFL E255	Contemporary Spanish Culture	E	3

DIPLOMA IN FRENCH

Course Code	Title of the Course	C/E	Credits
I SEMESTER			
EFL C271	Grammar & Translation	C	5
EFL C272	Prose & Comprehension	C	5
EFL E271	Elements of culture and civilisation	E	3
II SEMESTER			
EFL C273	Viva Voce	C	5

DIPLOMA IN GERMAN

Course Code	Title of the Course	C/E	Credits
I SEMESTER			
EFL C274	Grammar & Translation	C	5
EFL C275	Prose & Comprehension	C	5
EFL E272	Elements of culture and civilisation	E	3
II SEMESTER			
EFL C276	Viva Voce	C	5

DIPLOMA IN ITALIAN

Course Code	Title of the Course	C/E	Credits
I SEMESTER			
EFL C277	Grammar & Translation	C	5
EFL C278	Prose & Comprehension	C	5
EFL E273	Elements of culture and civilisation	E	3
II SEMESTER			
EFL C279	Viva Voce	C	5

DIPLOMA IN SPANISH

Course Code	Title of the Course	C/E	Credits
I SEMESTER			
EFL C283	Grammar & Translation	C	5
EFL C284	Prose & Comprehension	C	5
EFL E275	Elements of culture and civilisation	E	3
II SEMESTER			
EFL C285	Viva Voce	C	5

SCHOOL OF BUSINESS AND MANAGEMENT STUDIES

The School consists of the Departments of Commerce and Management Studies.

The Board of Studies in Commerce was first established in 1926 and B.Com. (Pass) course was first instituted in March 1945. A full-fledged Commerce Department was established in 1952-53 and M.Com. and M.Phil Degree courses began to be offered in 1976-77.

The Ph.D. course commenced in 1975-76. The Department offers M.Com. International Business and Finance. Its specialization includes Development Banking International Marketing, Business Finance Taxation, Financial Markets and Portfolio Management, The Department has an exclusive Library and a Computer Laboratory. The department also offers job oriented diploma programme such Diploma in Internal Audit, Diploma in Global Trade Management and PG Diploma in Banking and Finance since 2015.

In August 1955, the Department of Management Studies began a Diploma Course in Business Management. In July 1971, the Master of Business Administration (M.B.A) course (both full time and part time) was introduced. Research Programmes of the department began in 1975-76. The Department specializes in Marketing, Finance, Human Resource and System Management. The Department has an exclusive Library, Computer Laboratory and a Placement Officer.

Faculty

Dr. R. Thenmozhi, M.B.A.,M.Phil.,Ph.D

Chairperson

Commerce

Dr. S. Gurusamy, Ph.D

Professor & Head

Dr. R. Rangarajan, Ph.D

Professor

Dr. N. Ragavan, PhD

Associate Professor

Dr. R. Shanthi, Ph.D

Assistant Professor

Dr. S. Yuvaraj, Ph.D

Assistant Professor

Dr. P.S. Buvaneswari, Ph.D

Assistant Professor

Management Studies

Dr. R. Thenmozhi, Ph.D

Professor & Head

Dr. J. Khaja Sheriff, Ph.D

Associate Professor

Dr. K. Sathyanarayan, Ph.D

Assistant Professor

Dr. P.S. Manjula, Ph.D

Assistant Professor

Dr. S. Usha, Ph.D

Assistant Professor

Dr. K. Vaneeta Aggarwal, Ph.D

Assistant Professor

Dr. L. Kangalakshmi, Ph.D

Assistant Professor

Centre for Infrastructural Management Studies

Dr. R. Rangarajan, Ph.D

Professor & Head i/c

M.COM - INTERNATIONAL BUSINESS AND FINANCE

Course Code	Title of the Course	C/E/S/I	Credits
SEMESTER I			
BUS C101	Computerised Accounting	C	4
BUS C103	Financial Reporting	C	3
BUS C105	Global Business Environment	C	4
BUS C107	Indian Financial System	C	3
	Elective Paper I	E	3
	Elective Paper II	E	3
UOM S001	Soft Skill	S	2
SEMESTER II			
BUS C102	Foreign Trade and Foreign exchange	C	4
BUS C104	International Marketing	C	4
BUS C106	Merchant Banking and Financial Services	C	4
BUS C108	Management of Human Resources	C	4
	Elective Paper III	E	3
	Elective Paper IV	E	3
UOM S002	Soft Skill	S	2
SEMESTER III			
BUS C109	International Banking & Global Financial Markets	C	4
BUS C111	International Financial management	C	4
BUS C113	Global Marketing Research	C	4
BUS C115	International Trade Relations	C	4
	Elective Paper V	E	3
	Elective Paper VI	E	3
UOM S003	Soft Skill	S	2
SEMESTER IV			
BUS C110	Derivatives and Risk Management	C	4
BUS C112	Tax Planning and Management	C	4
BUS C114	Project Work	C	6
	Elective Paper VII	E	3
UOM S004	Soft Skill	S	2

ELECTIVE COURSES OFFERED IN THE DEPARTMENT OF COMMERCE

Course Code	Title of the Course	E	Credit
BUS E116	Quantitative Techniques	E	3
BUS E117	Operations Research	E	3
BUS E118	Financial Accounting and Analysis	E	3
BUS E119	Strategic Human Resource Management	E	3
BUS E120	E-Commerce	E	3
BUS E121	Business Taxation	E	3
BUS E122	International Accounting	E	3
BUS E123	Logistics and Supply Chain Management	E	3
BUS E124	Organizational Behaviour	E	3
BUS E125	Security Analysis and Portfolio Management	E	3
BUS E126	Insurance and Risk management	E	3
BUS E127	Marketing of Services	E	3
BUS E128	CRM & Relationship Marketing	E	3
BUS E129	Commodities Market	E	3
BUS E130	Business Consulting	E	3
BUS E131	Services Tax	E	3
BUS E132	Business Process Outsourcing	E	3
BUS E133	Infrastructure Development & Finance	E	3
BUS E134	Strategic Cost Management	E	3
BUS E135	Business Ethics and Corporate Governance	E	3
BUS E136	Total Quality Management	E	3
BUS E137	Business Finance	E	3
BUS E138	Corporate and Allied Laws	E	3

MASTER OF BUSINESS ADMINISTRATION (MBA)

TOTAL CREDITS = 94

(CORE :60 + ELECTIVE:24+SOFT SKILLS:10= 94)

Course Code	Title of the Course	C/E/S	Credits
I SEMESTER			
BUS C201	Management Principles and Business Ethics	C	4
BUS C202	Quantitative and Research Methods in Business	C	4
BUS C203	Organizational Behaviour	C	4
BUS C204	Managerial Economics	C	4
BUS C205	Management Accounting	C	4
BUS C206	Legal System in Business	C	4
BUS E201	Innovation and Entrepreneurship	E	3
UOM S001	Soft skill	S	2
II SEMESTER			
BUS C207	Operations Management	C	4
BUS C208	Applied Operations Research	C	4
BUS C209	Financial Management	C	4
BUS C210	Marketing Management	C	4
BUS C211	Human Resource Management	C	4
BUS C212	Strategic Management	C	4

BUS E202	International Business	E	3
UOM S002	Soft skill-2	S	2
III SEMESTER			
BUS C213	Management Information System	C	4
BUS E203	ELECTIVE	E	3
BUS E204	ELECTIVE	E	3
BUS E205	ELECTIVE	E	3
BUS E206	ELECTIVE	E	3
BUS E207	ELECTIVE	E	3
BUS E208	ELECTIVE	E	3
UOM S003	Soft skill	S	2
UOM S004	Soft skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
BUS C214	Project Report and Viva-Voce	C	8

ELECTIVE COURSES OFFERED

CourseCode	Title of the Course	E	Credit
BUS E203	Sales and Distribution Management	E	3
BUS E204	Advertising and Sales Promotion	E	3
BUS E205	Corporate Finance	E	3
BUS E206	Security Analysis and Portfolio Management	E	3
BUS E207	Human Resource Development	E	3
BUS E208	Data Base Management Systems	E	3
BUS E209	Decision Support System	E	3
BUS E210	Industrial and Labour Relations	E	3
BUS E211	Supply Chain Management	E	3
BUS E212	Tax Management	E	3
BUS E213	E-Business	E	3
BUS E214	Merchant Banking & Financial Services	E	3
BUS E215	Brand Management	E	3
BUS E216	Industrial Marketing	E	3
BUS E217	Services Marketing	E	3
BUS E218	Marketing Research and Consumer Behaviour	E	3
BUS E219	Customer Relationship Management	E	3
BUS E220	Quality Management	E	3
BUS E221	Performance Management	E	3
BUS E222	Organisational Development	E	3
BUS E223	Project Management	E	3
BUS E224	Derivatives Management	E	3
BUS E225	International Financial Management	E	3
BUS E226	International Marketing	E	3
BUS E227	System Analysis and Design	E	3
BUS E228	Retail Marketing	E	3
BUS E229	Banking and Insurance	E	3
BUS E230	Rural Marketing	E	3
BUS E231	Principles & Practice of Logistics Management	E	3

BUS E232	Inventory & Warehousing Management	E	3
BUS E233	Domestic and International Logistics Management	E	3
BUS E234	Health Policy and Health Care Systems	E	3
BUS E235	Hospital Planning and Administration	E	3
BUS E236	Hospital Records Management	E	3
BUS E237	Business Analytics	E	3
BUS E238	International Human Resource Management	E	3

M.Phil COMMERCE

Course Code	Title of the Course	C/E	Credit
SEMESTER I			
BUS C151	Business Research Methods	C	5
BUS C152	Quantitative Methods	C	5
	Elective Paper	E	5
SEMESTER II			
BUS C153	Dissertation & Viva Voce	C	21

Elective Courses

BUS E151	Human Resource Management	E	5
BUS E152	International Marketing	E	5
BUS E153	CRM and Relationship Marketing	E	5
BUS E154	Investment Analysis and Portfolio Theory	E	5
BUS E155	International Trade Relations	E	5

PG DIPLOMA IN BANKING AND FINANCE

Course Code	Title of the Course	C/E	Credit
SEMESTER I			
BUS C001	Contemporary Indian Banking, and Indian Financial System	C	4
BUS C002	Legal and Regulatory Aspects of Banking	C	3
BUS C003	Human Resources Management in Banks	C	3
BUS C004	Credit Management	C	4
BUS C005	Foreign Exchange, International Banking and Business Mathematics	C	4
SEMESTER II			
BUS C006	Priority Sector and Rural Banking	C	4
BUS C007	Retail Banking and Corporate Banking	C	4
BUS C008	Risk Management, Compliance and Preventive Vigilance	C	4
BUS C009	Internship Training and Project Work	C	6

Statistics

Dr. M.R. Srinivasan, Ph.D	Professor & Head
Dr. S. Sampath	Professor
Ms. M.R. Sindhumol	Assistant Professor
Dr. M. Ramadurai, Ph.D	Assistant Professor
Dr.S.Suresh	Assistant Professor

Computer Science

Dr. P. Thangavel, Ph.D	Professor and Head
Dr. P.L. Chitra, M.C.A.	Associate Professor
Dr. S. Gopinathan, M.Sc	Associate Professor
Dr. M. Sornam, M.Sc., M.C.A.	Associate Professor
Dr. B. Lavanya, M.C.A.	Assistant Professor

M.Sc. MATHEMATICS

CourseCode	Title of the Course	C/E/ S	L	T	P	Credit
I SEMESTER						
MSI C001	Linear Algebra	C	3	1	0	4
MSI C002	Real Analysis	C	3	1	0	4
MSI C003	Ordinary Differential Equations	C	3	1	0	4
MSI C004	Number Theory	C	2	0	2	4
	Elective-1	E	3	1	0	3
UOM S001	Soft Skill	S	2			2
II SEMESTER						
MSI C005	Algebra	C	3	1	0	4
MSI C006	Topology	C	3	1	0	4
MSI C007	Partial Differential Equations	C	3	1	0	4
MSI C008	Computational Mathematical Laboratory	C	2		2	4
	Elective - 2	E	3	1	0	3
	Elective - 3	E	3	1	0	3
UOM S002	Soft Skill	S	2			2
III SEMESTER						
MSI C009	Complex Analysis	C	3	1	0	4
MSI C010	Measure & Integration theory	C	3	1	0	4
MSI C011	Probability theory	C	3	1	0	4
	Elective – 4	E	3	1	0	3
	Elective – 5/ Elective for other departments	E	3	1	0	3
UOM S003	Soft Skill	S	2			2
UOM 1001	Internship	I	2			2

IV SEMESTER						
MSI C013	Advanced Analysis	C	3	1	0	4
MSI C014	Differential Geometry	C	3	1	0	4
MSI C015	Functional Analysis	C	3	1	0	4
MSI C016	Project / Seminar	C	3	1	0	4
	Elective - 6	E	3	1	0	3
	Elective – 7	E	3	1	0	3
UOM S004	Soft Skill	S	2			2

Elective Courses Offered by the RIASM

CourseCode	Title of the Course	Credits
MSI E001	Discrete Mathematics	3
MSI E002	Number Theory and Cryptography	3
MSI E003	Programming and Soft Computations	3
MSI E004	Computer Based Numerical Methods	3
MSI E005	Lie Algebras	3
MSI E006	Stochastic Processes	3
MSI E007	Representation Theory of Finite Groups	3
MSI E008	Graph Theory	3
MSI E009	Lie Groups of Transformations & Ordinary Differential Equations	3
MSI E010	Lie Groups of Transformations & Partial Differential Equations	3
MSI E011	Potential Theory in R^n	3
MSI E012	Linear Lie groups	3
MSI E013	Banach Algebras and Operator theory	3
MSI E014	Algebraic Number Theory	3
MSI E015	Mathematical Theory of Electromagnetic Waves	3
MSI E016	Algebraic Topology	3
MSI E017	Calculus of Variations and Integral Equations	3
MSI E018	Difference Equations	3

SELF STUDY COURSES

MSI S001	Financial Calculus	3
MSI S002	Fuzzy Analysis	3
MSI S003	Harmonic Function Theory	3
MSI S004	Introduction to Fractals	3
MSI S005	Lie Groups and Lie Algebras	3
MSI S006	Probability on Abstract Spaces	3
MSI S007	Quantum Computations	3

M.PHIL MATHAMATICS

CourseCode	Title of the Courses	C/E	Credits
I SEMESTER			
MSI C031	Algebra	C	5
MSI C032	Analysis	C	5
MSI C032	Topology	C	5
II SEMESTER			
MSI C 034	Dissertation and Viva- Voce	C	21

M.Sc. STATISTICS

Course Code	Title of the Course	C/E/S	L	T	P	C
I SEMESTER						
MSI C121	Statistical mathematics	C	3	1	0	4
MSI C122	Measure and Probability Theory	C	3	1	0	4
MSI C123	Distribution Theory	C	3	1	0	4
MSI C124	R Programming	C	3	1	0	4
	Elective 1	E	2	1	0	3
	Elective 2	E	2	1	0	3
UOM S001	Soft Skill	S				2
II SEMESTER						
MSI C125	Linear Regression Analysis	C	3	1	0	4
MSI C126	Sampling Theory	C	3	1	0	4
MSI C127	Statistical Estimation Theory	C	3	1	0	4
MSI C128	Statistical Laboatory	C	2	0	0	2
	Elective 3	E	2	1	0	3
	Elective 4	E	2	1	0	3
UOM S002	Soft Skill	S				2
III SEMESTER						
MSI C129	Multivariate Analysis	C	3	1	0	4
MSI C130	Testing Statistical Hypotheses	C	3	1	0	4
MSI C131	Design & Analysis of Experiments	C	3	1	0	4
	Elective 5	E	2	1	0	3
	Elective 6	E	2	1	0	3
UOM S003	Soft Skill	S				2
UOM I001	Internship	S				2
IV SEMESTER						
MSI C132	Statistical Quality Management	C	3	1	0	4
MSI C133	Advanced Operations Research	C	3	1	0	4
MSI C134	Statistical Laboratory -II	C	0	0	2	2
MSI C135	Statistical Software Practical	C	0	6	2	2
MSI C136	Project Work / Dissertation	C	0	6	0	6
	Elective 7	E				
UOM S004	Soft Skill	S				2

B – ELECTIVE COURSES OFFERD BY STATISTICS DEPARTMENT

CourseCode	Title of the Course	L	T	P	C
MSI E121	Actuarial Statistics	3	0	0	3
MSI E122	Statistical Methods for Epidemiology	3	0	0	3
MSI E123	Stochastic Process	3	0	0	3
MSI E124	Non parametric inference	3	0	0	3
MSI E125	Data Mining	3	0	0	3
MSI E126	Bayesian Inference	3	0	0	3
MSI E127	Reliability Theory	3	0	0	3
MSI S128	Survival Analysis	3	0	0	3
MSI S129	Categorical Data Analysis	3	0	0	3
MSI E130	Bio-Statistics (For other Departments)	3	0	0	3

M.Sc. ACTUARIAL SCIENCE (Self-Supportive)

Course Code	Title of the Course	C/E/S	L	T	P	C
I SEMESTER						
MSI C201	Probability Theory	C	3	1	0	4
MSI C202	Financial Mathematics – I	C	3	1	0	4
MSI C203	Probability Distributions	C	3	1	0	4
MSI C218	Finance and financial Reporting	C	3	1	0	4
	Elective 1	E	2	1	0	3
	Elective 2	E	2	1	0	3
UOM S001	Soft Skill	S				2
II SEMESTER						
MSI C206	Statistical Inference	C	3	1	0	4
MSI C207	Financial Mathematics – II	C	3	1	0	4
MSI C208	Life Contingencies – I	C	3	1	0	4
MSI C209	Computational Laboratory – I	C	0	0	2	2
	Elective 3	E	2	1	0	3
	Elective 4	E	2	1	0	3
UOM S002	Soft Skill	S				2
III SEMESTER						
MSI C210	Stochastic Modeling	C	3	1	0	4
MSI C211	Risk Models	C	3	1	0	4
MSI C212	Life Contingencies – II	C	3	1	0	4
MSI C213	Financial Economics	C	3	1	0	4
	Elective 5	E	2	1	0	3
	Elective 6	E	2	1	0	3
UOM S003	Soft Skill	S				2
UOM I001	Internship	I				2
IV SEMESTER						
MSIC 214	Joint Life and Pension Benefits	C	3	1	0	4
MSIC 215	Corporate Financial Management	C	3	1	0	4
MSIC 216	Computational Laboratory – II	C	0	0	2	2
MSIC 217	Project & Viva voce	C	0	6	0	6
	Elective 7	E	2	1	0	3
UOMS 004	Soft Skill	S				2

M.SC. ACTUARIAL SCIENCE - ELECTIVE COURSES

Course Code	Title of the Course	L	T	P	C
MSI E201	Object oriented programming with C++	2	1	0	3
MSI E202	Principles of Economics	2	1	0	3
MSI E204	Numerical Methods	2	1	0	3
MSI E205	Survival and Markov Models	2	1	0	3
MSI E207	Resource optimization principles	2	1	0	3
MSI E209	Principles and Practice of Insurance	2	1	0	3
MSI E210	Computer Based Statistical Analysis	2	1	0	3

MASTER OF COMPUTER APPLICATION (M.C.A.)

Course Code	Title of the Courses	Core/ Elective	Credits L-T-P-C
SEMESTER - I			
MSI C301	Digital Principles	C	3-1-0-4
MSI C302	Object Oriented Programming with C++	C	3-1-0-4
MSI C303	Programming in Java and Web Technology	C	3-1-0-4
MSI C304	Programming in C++ Lab.	C	0-0-2-2
MSI C305	Programming in Java and Web Technology Lab.	C	0-0-2-2
	Elective	E	3-0-0-3
	Elective	E	3-0-0-3
	Soft Skill*	S	2-0-0-2
SEMESTER - II			
MSI C306	Microprocessors and Applications	C	3-1-0-4
MSI C307	Object Oriented Data Structures	C	3-1-0-4
MSI C308	Operating Systems	C	3-1-0-4
MSI C309	Microprocessors and Data Structures Lab.	C	0-0-2-2
	Elective	E	3-0-0-3
	Elective	E	3-0-0-3
	Soft Skill*	S	2-0-0-2
SEMESTER - III			
MSI C310	Design and Analysis of Algorithms	C	3-1-0-4
MSI C311	Database Management Systems	C	3-1-0-4
MSI C312	Computer Graphics	C	3-1-0-4
MSI C313	Database Systems and Computer Graphics Lab.	C	0-0-2-2
	Elective	E	3-0-0-3
	Elective	E	3-0-0-3
	Soft Skill*	S	2-0-0-2
UOM I002	Internship-I	S	0-0-3-3
SEMESTER - IV			
MSI C314	Computer Networks	C	3-1-0-4
MSI C315	Theory of Computation	C	3-1-0-4
MSI C316	Digital Image Processing	C	3-1-0-4
MSI C317	Data Mining and Data Warehousing	C	3-1-0-4
MSI C318	Digital Image processing Lab.	C	0-0-1-1
	Elective	E	3-0-0-3
	Elective	E	3-0-0-3
	Soft Skill*	S	2-0-0-2
SEMESTER - V			
MSI C319	Mini Project and Group Discussion	C	0-0-2-2
MSI C320	Soft Computing	C	3-1-0-4
MSI C321	Software Engineering	C	3-1-0-4
MSI C322	Big Data and Analytics	C	3-1-0-4
	Elective	E	3-0-0-3
	Elective	E	3-0-0-3
	Elective	E	3-0-0-3
	Soft Skill*	S	2-0-0-2
	Soft Skill*	S	2-0-0-2
SEMESTER - VI			
MSI C323	Project Work	C	0-0-15-15

List of elective Courses for M.C.A. and M.Sc. Computer Science

MSI E301	Financial Accounting and Analysis	E	3-0-0-3
MSI E302	Principles of Compiler Design	E	3-0-0-3
MSI E303	Advanced Java Programming	E	2-0-1-3
MSI E304	Programming in COBOL	E	2-0-1-3
MSI E305	High Performance Computing	E	3-0-0-3
MSI E306	Multimedia Systems	E	2-0-1-3
MSI E307	Artificial Intelligence &Expert Systems	E	3-0-0-3
MSI E308	Computer Oriented Statistical Methods	E	3-0-0-3
MSI E309	Unix and Shell Programming	E	3-0-0-3
MSI E310	Programming in Dot NET	E	3-0-0-3
MSI E311	Software Project Management & Testing	E	3-0-0-3
MSI E312	Software Quality And Assurance	E	3-0-0-3
MSI E313	Computer Simulation & Modeling	E	3-0-0-3
MSI E314	Computer Aided Design	E	3-0-0-3
MSI E315	Pattern Recognition	E	3-0-0-3
MSI E316	Object Oriented Analysis and Design	E	3-0-0-3
MSI E317	Project and Case Studies –I	E	0-0-3-3
MSI E318	Project and Case Studies –II	E	0-0-3-3
MSI E321	Introduction to Programming in PYTHON	E	2-0-1-3
MSI E322	Functional Programming using Haskell	E	2-0-1-3
MSI E323	Cryptography	E	3-0-0-3
MSI E324	Programming in C	E	3-0-0-3
MSI E325	Unix and Shell Programming	E	3-0-0-3

List of elective Courses offered for other Department Students

MSI E319	Introduction to Information Technology and Programming in C	E	2-0-1-3
MSI E320	Internet and Java Programming	E	2-0-1-3

M.Sc. COMPUTER SCIENCE – SELF SUPPORTIVE

I SEMESTER						
Course Code	Title of the Course	C/E	L	T	P	C
MSI C401	Mathematics for Computer Science	C	3	1	0	4
MSI C402	Design and Analysis of Algorithms	C	3	1	0	4
MSI C403	Database Management Systems	C	3	1	0	4
MSI C404	Computer Graphics	C	3	1	0	4
MSI C405	Database Systems and Computer Graphics Lab.	C	0	0	2	2
	Elective	E	3	0	0	3
	Elective	E	3	0	0	3
	Soft Skill*	S	2	0	0	2
II SEMESTER						
MSI C406	Computer Networks	C	3	1	0	4
MSI C407	Theory of Computation	C	3	1	0	4
MSI C408	Digital Image Processing	C	3	1	0	4
MSI C409	Digital Image Processing Lab	C	0	0	1	1
	Elective	E	3	0	0	3

	Elective	E	3	0	0	3
	Elective	E	3	0	0	3
	Soft Skill*	S	2	0	0	2
III SEMESTER						
MSI C410	Mini Project and Group Discussion	C	0	0	2	2
MSI C411	Soft Computing	C	3	1	0	4
MSI C412	Cryptography	C	3	1	0	4
MSI C413	Big Data & Analysis	C	3	1	0	4
	Elective	E	3	0	0	3
	Elective	E	3	0	0	3
	Soft Skill*	S	2	0	0	2
	Soft Skill*	S	2	0	0	2
UOM I001	Internship	S	2	0	0	2
IV SEMESTER						
MSI C415	Project Work	C	0	0	15	15

ADDITIONAL LIST OF ELECTIVE COURSES FOR M.Sc. COMPUTER SCIENCE

MSI E401	Programming in Java and Web Techonology	E	3-0-0-3
MSI E402	Microprocessors and Embedded Systems	E	3-0-0-3
MSI E403	Data Mining and Data Warehousing	E	3-0-0-3
MSI E404	Software Engineering	E	3-0-0-3
MSI E405	Mathematics for Computer Science	E	3-0-0-3

M.PHIL COMPUTER SCIENCE

Course Code	Title of the Courses	C/E	Credits L-T-P-C
I SEMESTER			
MSI C101	Research Methodology	C	3-2-0-5
MSI C102	Advance course on Computing	C	3-2-0-5
MSI E101	Selected Topics in Algorithms	E	3-2-0-5
MSI E102	Artificial Neural Networks	E	3-2-0-5
MSI E103	Digital Image Processing	E	3-2-0-5
MSI E104	Wireless Networks	E	3-2-0-5
MSI E105	Computer Graphics	E	3-2-0-5
II SEMESTER			
MSI C103	Dissertation and Viva-voce	C	6+15=21

SCHOOL OF TAMIL AND OTHER DRAVIDIAN LANGUAGES

The School of Tamil and Dravidian Languages Consists of Departments of Tamil Literature, Tamil Language, Chair on Christian Tamil Literature, and Departments of Telugu, Kannada and Malayalam.

The Department of Comparative Philology, Oriental Research Institute (ORI), University of Madras first began researches in Tamil in 1914. In 1927, a separate Tamil department was established in the Institute. In 1930 the Tamil department was further expanded. The Tamil department specialized in Classical Tamil Literature, Folklore, Tirukkural Studies and Comparative Grammar. It published the much reputed annals of Oriental Research and Tamil dictionary. The department of Tamil was bifurcated into departments of Tamil Literature and Tamil Language in 1980-81.

Since 1981, the department of Tamil Literature specializes in Literary Studies, Grammar, Linguistics, Folklore, Translation, Mass media and Comparative Literature to evolve a holistic study of Tamil Culture. The department of Tamil Literature offers Masters, M.Phil. and Ph.D. Programmes. Thirukkural Research Unit (TRU) of the Tamilnadu Government Endowment Scheme is also functioning under the aegis, of this department. The Department offers a Post Graduate Diploma courses in Manuscriptology and Editing, Folkloristics and Mass Media & Inscriptions and Culture.

The department of Tamil Language specializes in the fields of Lexicography, Grammar, Translation, Stylistics, Discourse analysis (Linguistics, Literary Criticism, and Publishing. It offers Masters, M.Phil. and Ph.D. Programmes.

In 1984, a Chair on Christian Tamil Literature was instituted by the Government of Tamil Nadu and this Chair specializes on the contributions of Christians to Tamilology. This Chair offer M.Phil and Ph.D. Programmes.

The unit of Telugu Studies was created in ORI in 1914 and it became full fledged department in 1927. When it was reorganized in 1930, the focus of the department was shifted to social and cultural dimensions of Telugu Literature, Comparative Literature and Folklore. The department of Telugu offers Masters, M.Phil, and Ph.D. Programmes.

The unit of Kannada Studies was also started in 1927 in ORI with A.Venkata Rao as its head. In 1930, the department was expanded and began to give attention to Literary Criticism, Kannada Culture and Comparative Grammar. The department offers Masters, M.Phil and Ph.D. Certificate and Diploma Programmes.

The unit of Malayalam Studies was established in the ORI in 1927 under the headship of C.Achutha Menon. The department studies social and cultural dimensions of Malayalam Language and Literature. The department offers Masters, M.Phil and Ph.D. Programmes.

Faculty

Dr. O. Mathivanan, Ph.D

Chairperson

Tamil Literature

Dr. O. Mathivanan, Ph.D

Professor and Head

Dr. G. Palani, Ph.D

Assistant Professor

Dr. A. Ekambaram, Ph.D

Assistant Professor

Tamil Language

Dr. Y. Manikandan

Professor and Head i/c

Dr. Vani Arivaalan, Ph.D

Assistant Professor

Dr. V.Nirmalar Selvi, Ph.D

Assistant Professor

Sangapalagai for Tamil Development

Dr. K. Sankara Narayanan, Ph.D

Assistant Professor

Centre for Thirukkural Research

Dr. V.Raguraman

Assistant Professor

Kannada

Dr. Tamil Selvi, Ph.D

Professor and Head

Dr.M. Rangaswamy Ph.D

Assistant Professor

Malayalam

Dr. P.M. Girish, Ph.D

Assistant professor & Head i/c

Dr. O.K. Santhosh

Assistant Professor

Telugu

Dr. M. Sampath Kumar, Ph.D

Professor & Head

Dr. N. Vistali Sanakara Rao, Ph.D

Assistant Professor

M.A. TAMIL LITERATURE AND CULTURE

Course Code	Title of the Course	C/E/S	Credits
I SEMESTER			
TDL C001	Tamil Literary Tradition – I (Sanga Ilakkiyam)	C	4
TDL C002	Tamil Grammatical Traditon – I (Tholkappiyam)	C	4
TDL C003	Cultural History of Tamils – I (Ilakkiya Panuvalgal)	C	4
TDL C004	Tamil Studies: Palm Leaf Manuscripts & Inscriptions	C	4
TDL E001	Epic Tradition in Tamil	E	3
TDL E002	Cultural Geography of Tamil Nadu	E	3
UOM S001	Soft Skill	S	2
II SEMESTER			

TDL C005	Tamil Literary Tradition – II (Bakthi Ilakkiyam – Pirabanthangal)	C	4
TDL C006	Tamil Grammatical Tradition – II (Yappu- Ani-Pattiyal)	C	4
TDL C007	Cultural History of Tamils – II (Kalai Marabugal)	C	4
TDL C008	General Linguistics	C	4
TDL E003	History of Tamil Theatre	E	3
TDL E004	Tholkappiyam - Porulathigaram	E	3
UOM S002	Soft Skill	S	2
III SEMESTER			
TDL C009	Twentieth & Twenty First Century Fictions in Tamil	C	4
TDL C010	Ethical Literary Tradition	C	4
TDL C011	Applied Folkloristics	C	4
TDL C012	The Tamil Diaspora	C	4
TDL E005	Creative Writing	E	3
UOM S003	Soft Skill	S	3
UOM I001	Internship-Field Work	I	2
IV SEMESTER			
TDL C014	Twentieth Century Tamil Poetry	C	4
TDL C015	Tamil Studies : Little Magazines	C	4
TDL C016	Mass Media and Culture	C	4
TDL E006	Translation Studies	E	3
TDL E007	Tamil Studies : Computer	E	3
UOM S004	Soft Skill	S	2

M.A. TAMIL STUDIES

Course Code	Title of the Course	C/E/S	Credits
I SEMESTER			
TDL C101	Contemporary Tamil Literature	C	4
TDL C102	Tholkappiam Porul-I (Chapter 1 to 5)	C	4
TDL C103	Bhakthi Literature	C	4
TDL C104	Language Teaching	C	4
TDL E101	Lexicography	E	3
TDL E102	Journalism	E	3
UOM S001	Soft Skill	S	2
II SEMESTER			
TDL C105	Epics	C	4
TDL C106	Tholkappiam - Eluttu – I (Chapter 1 to 5)	C	4
TDL C107	Sangam Literature	C	4
TDL C108	Tolkappiam – Porul – II (Chapter 6 to 9)	C	4
TDL E103	General Linguistics	E	3
TDL E104	History of Tamil Literature	E	3
UOM S002	Soft Skill	S	2
III SEMESTER			
TDL C109	Didactic Literature	C	4
TDL C110	Tholkappiam – Col – I (Chapter 1 to 5)	C	4
TDL C111	Tolkappiam – Eluttu – II (Chapter 6 to 9)	C	4

TDL C112	Minor Literature	C	4
TDL E105	Tamil Computing	E	3
TDL E106	Tourism	E	3
UOM S003	Soft Skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
TDL C113	Tolkappiam – Col – II (Chapter 6 to 9)	C	4
TDL C114	Prosody and Poetics	C	4
TDL C115	Comparative Literature	C	4
TDL C116	Movements of Tamil Literature	C	4
TDL E107	Creative Literature	E	3
TDL E108	History of Tamilnadu and Culture	E	3
UOM S004	Soft Skill	S	2

M.A. TELUGU

Course Code	Title of the Course	C/E/S	Credits
SEMESTER-I			
TDL C301	Telugu Classical & Modern Poetry	C	4
TDL C302	History of Telugu Literature-I	C	4
TDL C303	Telugu Grammar	C	4
TDL C304	General Linguistics	C	4
TDL E301	Lexicography	E	3
TDL E302	Evolution of Telugu Short Story	E	3
TDL E303	Introductory course in Telugu (for other dept.)	E	3
	Soft Skill	S	2
SEMESTER-II			
TDL C305	Evolution of Telugu Language	C	4
TDL C306	History of Telugu Literature-II	C	4
TDL C307	Prosody & Poetics	C	4
TDL C308	History of Sanskrit Literature	C	2
TDL E304	Dialectology	E	3
TDL E305	Post Modern Trends in Telugu poetry	E	3
TDL E306	Modern Telugu (for other departments)	E	3
	Soft Skill	S	2
SEMESTER-III			
TDL C309	Literary Criticism	C	4
TDL C310	Dravidian Philosophy	C	4
TDL C311	Folk Literature	C	4
TDL E307	Evolution of Telugu Novel	E	3
TDL E308	Basics in Telugu (For other Departments)	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2
SEMESTER-IV			
TDL C312	Telugu Journalism	C	4
TDL C313	Techniques of Translation	C	2
TDL C314	Sanskrit Prose & Poetry	C	2

TDL C315	Project Work	C	6
TDL C316	History & Culture of Andhras	C	4
TDL E309	Comparative Literature	E	3
TDL E310	Spoken & Written Telugu (for other depts.)	E	3
UOM S004	Soft Skill	S	2

M.A. KANNADA

Course code	Title of the Course	C/E/S	Credits
SEMESTER I			
TDL C401	History of Kannada literature I	C	4
TDL C402	Ancient kannada literature	C	4
TDL C403	General linguistics	C	4
TDL C404	Comparative poetics	C	4
TDL E401	Lexicography	E	3
TDL E402	Evolution of kannada short story	E	3
TDL E403	Introductory Course In Kannada (For other Departments)	E	3
UOM S001	Soft-skill		2
SEMESTER II			
TDL C405	History of kannada literature II	C	4
TDL C406	Medieval kannada poetry	C	4
TDL C407	History of kannada language	C	4
TDL C408	Kannada grammar	C	4
TDL E404	Comparative literature – Kannada and tamil	E	3
TDL E405	Post Modern trends in Kannada poetry	E	3
TDL E406	Modern Kannada (For other Departments)		
UOM S002	Soft-skill	S	2
SEMESTER III			
TDL C409	Literary Criticism	C	4
TDL C410	Study of Kannada Inscriptions and Culture	C	4
TDL C411	Comparative Dravidian languages	C	4
TDL E407	Evolution of Kannada novel	E	3
TDL E408	Spoken Kannada (For other Departments)	E	3
UOM I001	Internship		2
	Soft-skill		2
SEMESTER IV			
TDL C412	Kannada journalism	C	4
TDL C413	Textual criticism	C	2
TDL C414	Project work	C	6
TDL C415	Kannada prosody	C	4
TDL E409	Techniques of Translation	E	3
TDL E410	Kannada Folk Literature	E	3
TDL E411	Written Kannada (For other Departments)	E	3
	Soft-skill	S	2

M.A. MALAYALAM

Course Code	Title of the Course	C/E/S	Credit
SEMESTER I			
TDL C501	Ancient Literature	C	4
TDL C502	Medieval Literature	C	4
TDL C503	Grammar-I	C	4
TDL C504	Cultural History of Kerala	C	4
TDL E501	Indian Literary Theories	E	3
TDL E502	Drama and Performing Arts	E	3
TDL E503	Folkloristic Arts	E	3
	Soft Skill	S	2
SEMESTER II			
TDL C505	Modern Poetry-I	C	4
TDL C506	Novel	C	4
TDL C507	Grammar-II	C	4
TDL C508	Practicals / Creative Writing	C	2
TDL E504	Cultural Studies	E	3
TDL E505	Translation-Theory Practice	E	3
TDL E506	Arts Aesthetics	E	3
	Soft Skill	S	2
SEMESTER III			
TDL C509	Modern Poetry-II	C	4
TDL C510	Short Story	C	4
TDL C511	History of Language	C	4
TDL E507	Western Literary Theories	E	3
TDL E508	Intellectual Property Rights & Collective Management	E	3
TDL E509	Comparative Literature	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2
SEMESTER IV			
TDL C512	Malayalam Literary Criticism	C	4
TDL C513	Linguistics	C	4
TDL C514	Practicals Book Review	C	2
TDL C515	Practicals Seminar	C	2
TDL C516	Project Work Dissertation	C	6
TDL E510	Film Studies-E	E	3
TDL E511	Language Teaching	E	3
TDL E512	Feminism	E	3
	Soft Skill	5	2

M.Phil TAMIL STUDIES

Course Code	Title of the Course	C/E	Credit
SEMESTER I			
TDL C121	Research Methodology	C	5
TDL C122	Stylistics	C	5
TDL E121	History of Tamil Research	E	5
SEMESTER II			
TDL C123	Dissertation and Viva-Voce	C	21

M.Phil TAMIL LITERATURE

Course Code	Title of the Course	C/E	Credit
SEMESTER I			
TDL C031	Research Methodology	C	5
TDL C032	History of Research in Tamilology	C	5
TDL E031	Art History in Tamil	E	5
SEMESTER II			
TDL C033	Dissertation and Viva-Voce	C	21

M.Phil. TELUGU

Course Code	Title of the Course	C/E	Credit
SEMESTER I			
TDL C321	Research Methology	C	5
TDL C322	Evolution of Telugu Re- search	C	5
TDL E321	Trends in Modern Telugu Literature	E	5
TDL E322	Linguistic	E	5
TDL E323	Applied Research Methodology	E	5
SEMESTER II			
TDL C323	Dissertation & Viva-Voce	C	21

M.Phil. KANNADA

Course code	Title of the Paper	C/E	Credit
SEMESTER I			
TDL C421	Research Methodology	C	5
TDL C422	Modern Kannada Literature	C	5
TDL E421	Kannada Language Research	E	5
TDL E422	Kannada Literature Research	E	5
TDL E423	Literary Biographical Studies	E	5
TDL E424	Kannada Literary Criticism	E	5
SEMESTER II			
TDL C423	Dissertation and Viva-Voce	C	21

M. PHIL MALAYALAM

Course Code	Title of the Course	C/E	Credit
SEMESTER I			
TDL C521	Research Methodology	C	5
TDL C522	Media Studies		
TDL E521	Post Modern Linguistics	E	5
SEMESTER II			
TDL C523	Dissertation and Viva- Voce	C	21

DIPLOMA IN MANUSCRIPTOLOGY AND EDITING

Course Code	Title of the Course	C/E	Credit
SEMESTER I			
TDL C041	Fundamental of Manuscriptology	C	5
TDL C042	Fundamentals of Editing	C	5
TDL C043	Prosody of Tamil Editing	C	5
TDL C041	History of Tamil Editing	E	3
SEMESTER II			
TDL C044	Conservation of Manuscripts	C	5
TDL C045	Electronic Media and Manuscriptology	C	5
TDL C046	Project Work	C	8

DIPLOMA IN FOLKLORISTICS AND MASS MEDIA

Course Code	Title of the Course	C/E	Credit
SEMESTER I			
TDL C051	Fundamentals of Folkloristics	C	5
TDL C052	Fundamentals of Mass Media	C	5
TDL C053	Field Work- Theory & Application	C	5
TDL E051	Material Culture	E	3
SEMESTER II			
TDL C054	History of Tamil Folkloristics	C	5
TDL C055	History of Tamil Mass Media	C	5
TDL C056	Project Work	C	8

P.G. DIPLOMA IN INSCRIPTIONS AND CULTURE

Course Code	Title of the Course	C/E	Credit
SEMESTER I			
TDL C061	Strucutre of Inscriptions	C	5
TDL C062	Paleography and Inscriptions	C	5
TDL C063	Site of Inscriptions in Tamil Nadu	C	5
TDL E061	Temple Inscriptions	E	3
SEMESTER II			
TDL C064	Tamil Culture and Inscriptions	C	5
TDL C065	Inscriptions and Literature	C	5
TDL C066	Project Work	C	8

P.G. DIPLOMA IN LINGUISTICS

Course Code	Title of the Course	C/E	Credit
SEMESTER I			
TDL C071	Linguistics : Basic Principles	C	5
TDL C072	Socio Linguistics	C	5
TDL C073	Tamil Grammer and Linguistics	C	5
TDL E071	Linguistics and Computer	E	3
SEMESTER II			
TDL C074	History of Linguistics	C	5
TDL C075	Literature and Linguistics	C	5
TDL C076	Project Work	C	8

DIPLOMA IN TELUGU

Course Code	Title of the Course	Core	Credits
SEMESTER I			
TDL C331	Prescribed Texts - Poetry	C	4
TDL C332	Prescribed Texts - Prose	C	4
TDL C333	Comprehensive, Composition & Letter Writing	C	4
TDL C334	Viva-Voce	C	6

DIPLOMA IN KANNADA

Course Code	Title of the Course	C/E	Credit
SEMESTER I			
TDL C431	Prescribed Texts - Poetry	C	4
TDL C432	Prescribed Texts - Prose	C	4
TDL C433	Comprehensive, Composition & Letter writing, Essay writing and Translations	C	4
TDL C434	Viva-Voce	C	6

CERTIFICATE IN KANNADA

Course code	Title of the Paper	Core	Credits
SEMESTER I			
TDL C001	Introduction to Kannada Language	C	3
TDL C002	Basic Grammar	C	3
TDL C003	Comprehensive, Composition	C	3
TDL C004	Viva-Voce	C	5

CERTIFICATE IN TELUGU

Code No.	Title of the Paper	Core	Credits
SEMESTER I			
TDL C341	Introduction to Telugu Language	C	3
TDL C342	Grammar	C	3
TDL C343	Translation	C	3

CERTIFICATE IN MALAYALAM

Code No.	Title of the Paper	Core	Credits
SEMESTER I			
TDL C525	Basic Malayalam	C	5
TDL C526	Basic Grammar	C	4

SCHOOL OF SANSKRIT AND OTHER INDIAN LANGUAGES

The Oriental Faculty of Comparative Philology with special reference to Arabic, Persian and Sanskrit was organized in the University under the headship of Dr. Mark Collins in 1914. The department was reorganized during 1927-30, to include Dravidian and Islamic Languages. The Sanskrit unit since then made huge strides in research and publishing in various aspects of Sanskrit Studies and in Sanskrit Catalogus Catalogorum. Now, the Department of Sanskrit offers Masters, M.Phil and Ph.D. Programmes.

The Madras University started the Department of Hindi in April 1952 to make comparative studies between Hindi and other Indian Languages. The Department of Hindi offers Masters, M.Phil and Ph.D. Programmes.

Arabic, Persian and Urdu department was started during the reorganization of the oriental faculty during 1930. The aim of Arabic, Persian and Urdu department was to redeem from obscurity the early literary works of outstanding merit in these languages. The Department now offers Masters, M.Phil and Ph.D. programmes in Arabic and Urdu languages.

Faculty

Dr. S. Padmanabhan, Ph.D Chairperson

Sanskrit

Dr. S. Padmanabhan, Ph.D Professor and Head
Dr. P. Narasimhan, Ph.D Associate Professor
Dr. C. Murugan Ph.D Assistant Professor

Hindi

Dr. Chitti Annapurna, Ph.D Professor & Head
Dr. P. Saraswathi Assistant Professor

Arabic, Persian and Urdu

Dr. K. Habeeb Ahmed, Ph.D Assistant Professor and Head i/c
Dr. A. Jahir Hussain, Ph.D Assistant Professor
Dr. Amanulla.M.B. Assistant Professor

M.A. SANSKRIT (GENERAL)

Subject Code	Title of the Course	C/ E/ S	Credits
SEMESTER I			
SIL C101	Prose & Prosody	C	4
SIL C102	Sishupalavadham Canto I	C	4
SIL C103	Invitation to Indian Logic	C	4
SIL C104	Grammar - I	C	4
SIL E101	Raghuvamsam Canto I	E	3
SIL E102	Introduction to Sanskrit I	E	3
	Soft Skill	S	2

SEMESTER II			
SIL C105	Sahityadarpana Chapters I,II & X	C	4
SIL C106	Drama	C	4
SIL C107	Vedantasangraha	C	4
SIL C108	Introduction to Linguistics	C	4
SIL E103	Introduction to Sanskrit - II	E	3
SIL E104	Bhagavadgita III Chapter	E	3
SIL E105	Grammar IA	E	3
	Soft Skill	S	2
SEMESTER III			
SIL C109	Grammar II	C	4
SIL C110	Nyaya - Siddhanta - Muktavali	C	4
SIL C111	Sankhya	C	4
SIL C112	The Karaka Theory	C	4
SIL E106	Kathopanisad	E	3
SIL E107	Visistadvaita Metaphysics	E	3
SIL E108	Mimamsa	E	3
SIL E109	Meghasandesha (I Asvasa)	E	3
SIL E110	Introduction to Sanskrit III	E	3
SIL E111	Kavyaprakasa I-IV	E	3
	Soft Skills	S	S
UOM I001	Internship		I
SEMESTER IV			
SIL C113	The Theory of Compounding (Samasa)	C	4
SIL C114	Yoga Sutra	C	4
SIL C115	Dhvanyaloka	C	4
SIL E112	The Paspasahnika of Mahabhashya	E	4
SIL E113	Pancikarana of Sankara	E	3
SIL E114	Meghasandesha (II Asvasa)	E	3
SIL E115	Paniniyan Linguistics	E	3
SIL E116	Vedantadipa	E	3
SIL E117	Theory of Sphota	E	3
SIL E118	History of Sanskrit Literature	E	3
SIL E119	Introduction to Sanskrit IV	E	3
	Soft Skill	E	2

M.A. SANSKRIT (*Applied*)

Course code	Title of the Course	C / E / S	Credits
SEMESTER I			
SIL C201	Grammar - I	C	4
SIL C202	Introduction to Indian Logic	C	4
SIL C203	Principles of Indian Astronomy and Mathematics	C	4
SIL C204	Introduction to Indian Polity - Arthasastra (First 10 Sections)	C	4
SIL E201	Raghuvamsam	E	3
SIL E202	Introduction to Sanskrit I	E	3
	Soft Skill	S	2

SEMESTER II			
SIL C205	Introduction to Linguistics	C	4
SIL C206	Introduction to Ayurveda	C	4
SIL C207	Introduction to Yoga	C	4
SIL C208	Architecture	C	4
SIL E203	Introduction to Sanskrit – II	E	3
SIL E204	Grammar IA	E	3
	Soft Skill	S	2
SEMESTER III			
SIL C209	Agama	C	4
SIL C210	Ayurveda II	C	4
SIL C211	Yoga II	C	4
SIL C212	Indian Astronomy II	C	4
SIL E205	Systems of Indian Philosophy	E	3
SIL E206	The Karaka Theory	E	3
	Soft Skills	S	2
UOM I001	Internship	I	2
SEMESTER IV			
SIL C213	Indian Fine Arts I (Natyasastra)	C	4
SIL C214	Indian Fine Arts I (Music)	C	4
SIL C215	Early Texts (Niruktam)	C	4
SIL E207	Principles of Management	E	3
SIL E208	Theory of Compounding	E	3
	Soft Skill	S	2

M.A. HINDI

Course code	Title of the Course	C / E / S	Credits
SEMESTER I			
SIL C001	Modern Prose	C	4
SIL C002	Drama and one Act Play	C	4
SIL C003	History of Hindi Literature (upto Reethi Kaal)	C	4
SIL C004	History of Hindi Language	C	4
SIL E001	General Grammer and Hindi	E	3
SIL E002	Introduction to Hindi Language	E	3
SIL E003	Introduction to Dravidian Language	E	3
UOM S001	Vyavaharik Hindi (Practical Hindi)	S	2
	Soft Skill		
SEMESTER II			
SIL C005	Modern Poetry	C	4
SIL C006	History of Hindi Literature (Aadhunik Kaal)	C	4
SIL C007	General Linguistics	C	4
SIL C008	Translation : Theory and Practice	C	4
SIL E004	Vyavasayik Hindi	E	3
SIL E005	Spoken Hindi and Practice	E	3
SIL E006	Noting & Drafting		
UOM S002	Administrative Hindi	S	2

SEMESTER III			
SIL C009	Ancient Poetry	C	4
SIL C010	Medieval Poetry	C	4
SIL C011	Indian Poetics	C	4
SIL C012	Official Language Policy of Government of India	C	4
SIL E007	Journalism	E	3
SIL E008	Journal Writing and Practice	E	3
SIL E009	Translation Practice	E	3
UOM I001	Internship	I	2
	Soft Skill	S	2
SEMESTER IV			
SIL C013	Western Poetics	C	4
SIL C014	Special Author Premchand with Special Reference to Godan	C	4
SIL C015	Computational Skills in Hindi	C	4
SIL C016	Dissertation	C	4
SIL E010	Publication & Writing Practice	E	3
SIL E011	Essay Writing	E	3

M.A. ARABIC

Course code	Title of the Course	C / E / S	Credits
SEMESTER I			
SIL C301	Studies in Grammar Paper I	C	4
SIL C302	Modern Prose	C	4
SIL C303	Modern Tafseer Literature	C	4
SIL C304	Arabic Linguistics	C	4
SIL E301	Rhetoric or Prosody	E	3
SIL E302	Mysticism/Arabic Scholars of South India	E	3
	Soft Skill	S	2
SEMESTER II			
SIL C305	Hadith Literature of 20th Century	C	4
SIL C306	Studies in Grammar Paper II	C	4
SIL C307	Drama and Novel	C	4
SIL C308	Literary Criticism	C	2
SIL E303	History of Egypt/History of Iraq	E	3
SIL E304	Contemporary Arab Thought / Area Studies - History of Saudi Arabia during 20th Century	E	3
	Soft Skill	S	2
SEMESTER III			
SIL C309	Classical Prose	C	4
SIL C310	Classical Poetry	C	4
SIL C311	Translation Skills	C	4
SIL E305	Arab Tamil	E	3
SIL E306	Functional Arabic	E	3
	Soft Skills	S	2
UOM I001	Internship	I	2

SEMESTER IV			
SIL C312	Study of Special Author – Imam Bukhari	C	4
SIL C313	Essay Writing / Studies in Journalism in Arab Countries	C	2
SIL C314	Biography of Eminent Arabic Thinker	C	2
SIL C315	Project work	C	6
SIL C316	Modern Poetry	C	4
SIL E307	Commercial Letter Writing in Arabic	E	3
	Soft Skills	S	2

M.A. URDU

Course code	Title of the Course	C / E / S	Credits
SEMESTER I			
SIL C401	Gazal Aur Nazm	C	4
SIL C402	Dastan Aur Novel	C	4
SIL C403	Tarikh-e-Zaban Wa Adab-e-Urdu	C	4
SIL C404	Philology in Urdu	C	4
SIL E401	Special Author-Hali / Abul Kalam Azad	E	3
SIL E402	Urdu Poets of Tamilnadu	E	3
	Soft Skill	S	2
SEMESTER II			
SIL C405	Qasida Aur Rubai	C	4
SIL C406	Urdu Afsana Nigari	C	4
SIL C407	Arooz Aur Ilm-e-Badee	C	4
SIL C408	Urdu Journalism	C	2
SIL E403	Tazkira Nawesi	E	3
SIL E404	Tarjuma Nigari	E	3
	Soft Skill	S	2
SEMESTER III			
SIL C409	Mathnawi Aur Marthiya	C	4
SIL C410	Tanqeed	C	4
SIL C411	Inshayia Aur Maqala	C	4
SIL E405	Dakhni Literature	E	3
SIL E406	Persian Text	E	3
	Soft Skill	S	2
UOM I001	Internship	I	2
SEMESTER IV			
SIL C412	Mass communication in Urdu	C	4
SIL C413	Literary Biographical Studies	C	2
SIL C414	Mazmoon Nawesi	C	2
SIL C415	Project work	C	6
SIL C416	Urdu Drama	C	4
SIL E407	Urdu Ki Adabi Tahreekath	E	3
	Soft Skill	S	2

ELECTIVES OFFERED FOR OTHER DEPARTMENTS

SIL E 408	Introduction of Urdu Part-I	E	3
SIL E 409	Introduction of Urdu Part-II	E	3

M.Phil. HINDI

Course code	Title of the Course	C / E	Credit
I SEMESTER			
SIL C021	Research Mehtodology	C	5
SIL C022	Applied Methodology	C	5
SIL E021	Contemporary Hindi Prose	E	5
SIL E022	Contemporary Hindi Poetry	E	5
SIL E023	Medieval Hindi Lit- erature	E	5
SIL E024	Reethi Hindi Literature	E	5
II SEMESTER			
SIL C023	Dissertation and Viva- Voce	C	21

M.Phil. ARABIC

Course code	Title of the Course	C / E	Credit
I SEMESTER			
SIL C321	Research Methodology	C	5
SIL C322	History of Arabic Literature: Classical / Modern	C	5
SIL E321	Advanced Grammar	E	5
SIL E322	Literary Biographical Studies	E	5
SIL E323	Arabic Literary Criticism	E	5
SIL E324	Translation : Theory and Practice	E	5
II SEMESTER			
SIL C323	Dissertation and Viva-Voc	C	21

M.Phil. URDU

Course code	Title of the Course	C / E	Credit
I SEMESTER			
SIL C421	Research Methodology	C	5
SIL C422	Regional History of Urdu Literature	C	5
SIL E421	Urdu Literary Criticism	E	5
SIL E422	Philology	E	5
SIL E423	Urdu Journalism	E	5
SIL E424	Translation : Theory and Practice	E	5
II SEMESTER			
SIL C423	Dissertation and Viva- Voce	C	21

M.Phil. APPLIED SANSKRIT

Course code	Title of the Course	C / E	Credits
I SEMESTER			
SIL C201	Research Methodology	C	5
SIL C202	Indian Culture	C	5
SIL C203	Visistadvaita / Davaita	C	5
SIL E201	Special Subjects : Agamas, Ayurveda, Yoga, Indian Astronomy and Mathematics, Indian Music, Architecture, Management etc.	E	5
II SEMESTER			
SIL C204	Dissertation and Viva- Voce	C	21

M.Phil. SANSKRIT

Course code	Title of the Course	C / E	Credit
I SEMESTER			
SIL C131	Research Methodology	C	5
SIL C132	Indian Culture	C	5
SIL E131	Advaita & Nyaya	E	5
SIL E132	Visistadvaita & Dvaita	E	5
SIL E133	Alankarasastra	E	5
SIL E134	Grammar & Linguistics	E	5
SIL E135	Agamas	E	5
SIL E136	Paspasahnika	E	5
II SEMESTER			
SIL C133	Dissertation and Viva- Voce	C	21

P.G. DIPLOMA IN YOGA THERAPY (Part-time)

Course code	Title of the Course	C/E	Credit
I SEMESTER			
SIL C176	Basic Sanskrit	C	3
SIL C177	Yoga Sutra of Patanjali	C	3
SIL E176	Select Yogopanishads	E	2
SIL E179	Fundamentals of Psychology	E	2
SIL C178	Practicals - Asanas : Selected Classical Postures	C	2
II SEMESTER			
SIL C179	Concepts from other Yoga texts : i. Hata Yoga Pradipika ii. Geranda Samhita	C	3
SIL C180	Human Biology	C	3
SIL C181	Practicals : Asana Course Planning & Pranayamas	C	2
SIL E177	i. Diseases in Human System	E	2
SIL E180	ii. Principles of Physiology	E	2
III SEMESTER			
SIL C182	Bhagavadgita & Yoga	C	3
SIL C183	Yoga in Ayurveda	C	3
SIL C184	Practicals : Asanas & Pranayamas	C	2
SIL E178	i. Massage and Diet	E	2
SIL E181	ii. Principles of Naturopathy	E	2
IV SEMESTER			
SIL C185	Project	C	6

DIPLOMA IN YOGA

Course code	Title of the Course	Credit
SIL C101	Asana Practice	5
SIL C102	Pranayama : Principles and Practice	5
SIL C103	Core Principles of Yoga Sutra	5
SIL C104	Practicals (Asana and Pranayama)	5
SIL E101	Ayurveda	3
SIL E102	Psychology	3

P.G. DIPLOMA IN FUNCTIONAL HINDI AND TRANSLATION

Course code	Title of the Course	C/E	Credits
I SEMESTER			
SIL C001	Historical & Linguistic Study of Hindi Language	C	5
SIL C002	Vyavasyayik Hindi	C	4
II SEMESTER			
SIL C003	Administrative Hindi	C	5
SIL C004	Translation Theory	C	4
III SEMESTER			
SIL C005	Official Language policy of India	C	5
SIL C006	Computational skills in Hindi	C	4
IV SEMESTER			
SIL C007	Translation Practice	C	5
SIL C008	Project	C	4

DIPLOMA IN HINDI

Course code	Title of the Course	C/E	Credits
I SEMESTER			
SIL C001	Hindi Prose and Non-Detailed Study	C	5
SIL C002	Communicative and Creative Writing Skills	C	4
II SEMESTER			
SIL C003	Practical Hindi Grammar	C	5
SIL C004	Functional Hindi & Translation	C	4

Diploma in ARABIC

Course code	Title of the Course	C/E	Credit
I SEMESTER			
SIL C331	Grammar	C	5
SIL C332	Prose	C	5
SIL E331	Translation	E	3
II SEMESTER			
SIL C333	Viva-Voce	C	5

Diploma in URDU

Course code	Title of the Course	C/E	Credit
I SEMESTER			
SIL C431	Grammar	C	5
SIL C432	Text	C	5
SIL E431	Composition & Translation	E	3
II SEMESTER			
SIL C433	Viva-Voce	C	5

Diploma in MANUSCRIPTOLOGY

Course code	Title of the Course	C/E	Credits
I SEMESTER			
SIL C141	Introduction to Manuscriptology Manuscripts	C	4
SIL C142	Problems of Editing and Textual Criticism	C	4
II SEMESTER			
SIL C143	Dissertation	C	10

Certificate in ARABIC

Course code	Title of the Course	C/E	Credit
SIL C341	Grammar	C	3
SIL C342	Text	C	3
SIL C343	Translation & Composition	C	3

Certificate in URDU

Course code	Title of the Course	C/E	Credit
SIL C441	Text & Grammar	C	3
SIL C442	Composition & Translation	C	3
SIL C443	Viva - Voce	C	3

Certificate in YOGA

Course code	Title of the Course	C/E	Credits
SIL C151	Principles and Practice of Asana and Pranayama	C	5
SIL C152	Yoga Sutra and Basic Sanskrit	C	4

Certificate in PUNJABI

Course code	Title of the Course	C/E	Credits
SIL C031	Phonology and Morphology	C	5
SIL C032	Prose and Poetry (Stories)	C	4

Certificate in GUJARATHI

Course code	Title of the Course	C/E	Credits
SIL C041	Introduction to Gujarati Language and Literature	C	5
SIL C042	Prose and Poetry Text	C	4

Certificate in HINDI

Course code	Title of the Course	C/E	Credits
SIL C051	Introduction of Hindi Language and General Grammar	C	5
SIL C052	Spoken Hindi & Translation Practice	C	4

SCHOOL OF EARTH AND ATMOSPHERIC SCIENCES

The School of Earth and Atmospheric Sciences (SEAS) comprises of three Departments namely Geology, Applied Geology, and Geography.

The Department of Geology was established in 1952. The Department of Geology was recognized by the University Grants Commission (UGC), which awarded Special Assistance Programme under DRS Level - I for the period 1994 to 1999. The Department was subsequently awarded Special Assistance Programme (Phase -II) by UGC was sanctioned Rs.30.2 lakhs for for the period 2000 to 2005. As the Department had executed various multi- research and academic programmes most effectively, the UGC further awarded the COSIST (ASIST) Program (Phase -I) to the Department and sanctioned Rs.68 lakhs for Research and Developmental Programmes for the period 2001 to 2006.

The Department is also sponsored by DST through FIST Programme for 5 years from 2002 to 2007 and was sanctioned an amount of Rs.60 lakhs for Infrastructural Development.

The Department has been awarded DSA by University Grants Commission (UGC) and sanctioned an amount of Rs.56 lakhs for Research and Developmental Programmes for the period 2007 to 2012.

TEACHING & RESEARCH ACTIVITIES

The Department of Geology is pursuing research in the fields of Micropaleontology, Igneous and Metamorphic Petrology, Sedimentology, Sedimentary Petrology, Marine Geochemistry and Ecology, Hydrogeology and Geology. The Department has also been sanctioned several research projects for its faculty from various funding agencies like UGC, DST, MOES, CSIR, INCOIS, etc.

The Department offers a two year (Four semesters) M.Sc Geology Programme and one year (Two semesters) M.Phil Geology Programme. The Department also offers Full-time and Part-time Research Programmes leading to Ph.D. Degree in different specialized fields of Geology. The Department has produced a number of Ph.D. Degrees and the alumni of this Department are occupying eminent positions in National and International Universities, Institutes and Research organizations.

Recognizing the extensive consultancy potential of the Faculty of the Department, Organisations such as ONGC, Hardy Exploration and Production Inc & TAMIN have utilized the services of the Department through University Industry Community Interaction Cell (UICIC) of University of Madras. It is of immense delight that various International Research institutes are coming forward and approaching us for collaboration.

The Department of Applied Geology was established in the University of Madras in 1952 and has been functioning in the Maraimalai Campus. During the last six decades, the Department has made significant strides in academics and research. The Department has supervised more than 70 Ph.Ds, 10 M.Phils. and about 600 M.Sc. scholars and students in Applied Geology. Part-time Research scholars are from the following organizations: Public Works Department, Institute of Remote Sensing, Central Ground Water Board, Tamil Nadu Water Supply and Drainage Board, Tata Consultancy Services, Cognizant Techniques & Solutions, Hi-tech Diagnostic, Department of Geology and Mining, Institute of Water Studies, Tamil Nadu Minerals Limited, Neyveli Lignite Corporation Limited, National Remote Sensing Agency (NRSA, Hyderabad) and Zylog Systems.

The Department has the facilities and infrastructure for carrying out petrological, sedimentological, micropaleontological, environmental geochemistry, groundwater targeting and contamination, hydrogeological, geophysical, oceanographic, paleoceanographic, paleoclimatic, geomorphological and coastal environmental investigations. The Department offers consultancy services for: (a) Delineation of potential zones of groundwater and groundwater assessment, well design and construction, demarcation of salt water-fresh water interface and river basin studies (b) Ore reserve estimation and preparation of thin sections of minerals, rocks, fossils, and polished ores (c) Geological and geophysical investigations for civil engineering problems (d) Granite quality studies (e) Groundwater analysis (f) Rock, mineral and ore analysis (g) Environmental Impact Analysis, pollution studies (h) Processing and interpretation of geological/geophysical, geochemical and hydrogeological data and mathematical modeling and (i) Remote sensing and GIS applications to geological and environmental studies including integrated coastal zone management (ICZM) (j) Paleoenvironmental and tsunami modeling. Atomic Absorption Spectroscopic (AAS) instrument for heavy metal analysis facility is available in our Department. The Geological Museum of the Department is a treasure house for collections of rocks, minerals, fossils, etc. and has been visited by several schools in the city.

The Department of Geography at the Madras University is one of the oldest Departments in this country and celebrated its Golden Jubilee in the year 1983. The academic efforts received a great fillip in 1976 when the faculty was strengthened and new courses for M.Sc. Applied Geography was introduced. The department has periodically updated the curriculum.

The Department currently has academic programmes for M.Sc. and Ph.D. Degrees. The M.Sc. Applied Geography Programme is a very specialised one with heavy inputs on applied aspects of the discipline especially GIS, EIA and Remote Sensing. The success of the training imparted to the students is reflected in their ready absorption in jobs and in specialized programmer. From the academic year 2000-2001 onwards a new need based industry oriented programme viz. M.Sc. Spatial information Technology is offered in addition to the existing course. This course is to promote GIS technology and mapping science in our country. PG Diploma in GIS Management is yet another need based course offered as University - Industry and Community Interaction Centre (UICIC) programme. It is offered as an evening programme from the academic year 1999-2000 onwards. The Ph.D. programme is a specialised one with emphasis on socially relevant research such as agricultural and rural geography, watershed management, integrated area of planning marketing geography, urban and metropolitan problems, quantitative and spatial analysis in geography, social and area analysis, health care delivery systems and environmental problems.

The department is collaborating with the Botany, Zoology and Geology Departments in conducting inter-disciplinary courses. The courses are often designed in collaboration with the Statistics and Computer Science departments.

The Department has been assisting the State Planning Department, Ground Water Department of Tamil Nadu, Water Institute of Government of Tamil Nadu and Institute of Remote Sensing (Anna University) in research programmes and has developed good academic contacts with ISRO, Bangalore; NRSA, Hyderabad; Survey of India, Hyderabad Land and Survey Records of Tamil Nadu, Town and Country Planning of The Government of Tamil Nadu and CMDA, Chennai to name a few.

The Department has also been alive towards strengthening the teaching of geography in the affiliated colleges and to that end, has been organizing Refresher courses, Workshops and Curriculum Development Programmes.

Faculty

Dr. R.R. Krishnamurthy Ph.D Chairperson

Geology

Dr. S. Ramasamy, Ph.D Professor and Head
Dr. Shaik Mohammed Hussain, Ph.D Associate Professor
Dr. M. Suresh Gandhi, Ph.D Assistant Professor
Dr.P. Saravanan Ph.D Assistant Professor

Applied Geology

Dr. R.R. Krishnamurthy Ph.D Professor and Head
Dr. S.G.D. Sridhar, Ph.D Associate Professor
Dr. M. Jayaprakash, Ph.D Associate Professor
Dr. N. Rajeshwara Rao, Ph.D Associate Professor

Geography

Dr. R. Jegannathan, Ph.D Professor & Head
Dr. V. Madha Suresh, Ph.D Professor
Dr. M. Sakthivel, Ph.D Assistant Professor
Dr. G. Bhaskaran, Ph.D Assistant Professor
Dr.S.Sanjeevi Prasad Ph.D Assistant professor

Centre for Natural Hazards and Disaster Studies

Dr. V. Madha Suresh, Ph.D Professor & Head i/c

Centre for Environmental Sciences

Dr. N. Godhantaraman Associate Professor & Head i/c

Elective courses offer by the Center for Natural Hazards and Disaster Studies

Course code	Title of the Course	Semester	Credits
EAS E601	Disaster and Management	First	3
EAS E602	Global Warming and Climate Change	Second	3

Elective courses offer by the Center for Environmental Science

Course code	Title of the Course	Semester	Credits
EAS E701	Environmental Sciences	First	3

Elective courses offer by the Center for Water Resource Management

Course code	Title of the Course	Semester	Credits
EAS E801	Remote Sensing & GIS for Water Resources	First	3
EAS E802	Urban Water Resource Management	Second	3

M.Sc. GEOLOGY

Course Code	Title of the Course	C/ E/ S	Credits			
			L	T	P	C
I SEMESTER						
EAS C201	Stratigraphy and Sequence Stratigraphy	C	4	-	-	4
EAS C202	Advanced Paleontology	C	4	-	-	4
EAS C203	Paleontology and Structural Geology Practicals	C	-	-	4	4
EAS E201	General Geology & Geomorphology	E	3	-	-	3
EAS E 202	Structural Geology and Tectonics	E	3	-	-	3
EAS E208	Stratigraphy	E	3	-	-	3
EAS E209	Paleontology	E	3	-	-	3
	Soft Skill	S	2	-	-	2
II SEMESTER						
EAS C204	Advanced Igneous and Metamorphic Petrology	C	4	-	-	4
EAS C205	Sedimentology and Sedimentary Petrology	C	4	-	-	4
EAS C206	Mineralogy and Petrology Practicals	C	-	-	4	4
EAS C207	Geological Mapping	C	-	-	-	2
EAS E203	Mineralogy	E	3	-	-	3
EAS E204	Fuel Geology	E	3	-	-	3
EAS E210	Igneous & Metamorphic Petrology	E	3	-	-	3
EAS E211	Sedimentary Petrology	E	3	-	-	3
	Soft Skill	S	2	-	-	2
III SEMESTER						
EAS C208	Economic Geology and Mineral Exploration	C	4	-	-	4
EAS C209	Engineering Geology, Mining Geology and Geochemistry	C	4	-	-	4
EAS C210	Economic Geology, Mining Geology, Remote Sensing and GIS Practicals	C	-	-	4	4
EAS E205	Remote sensing and Geographical information system	E	3	-	-	3
EAS E206	Geophysics	E	3	-	-	3
EAS E207	Hydrogeology	E	3	-	-	3
EAS E212	Economic Geology	E	3	-	-	3
UOMI001	Internship	I	-	-	-	2
	Soft Skill	S	2	-	-	2
IV SEMESTER						
EAS C211	Advanced Micropaleontology	C	4	-	-	4
EAS C212	Environmental Geology, Natural Hazards and Disaster Studies	C	4	-	-	4
EAS C213	Geological Oceanography	C	4	-	-	4

EAS C214	Micropaleontology and Geochemistry Practicals	C	-	-	4	4
EAS C215	Dissertation & Viva- Voce	C	-	-	-	6
EAS C216	Geological Instructional tour	C	-	-	-	2
	Soft Skill	-	2	-	-	2

Electives offered by the Department

I SEMESTER						
EAS E208	Stratigraphy				E	3
EAS E209	Paleontology				E	3
II SEMESTER						
EAS E210	Igneous & Metamorphic Petrology				E	3
EAS E211	Sedimentary Petrology				E	3
III SEMESTER						
EAS E212	Economic Geology				E	3
EAS E206	Geophysics				E	3
EAS E207	Hydrogeology				E	3

M.Sc. APPLIED GEOLOGY

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
EAS C301	Physical Geology and Geomorphology	C	4
EAS C302	Mineralogy & Instrumentation Techniques	C	4
EAS C303	Mineralogy & Paleontology Practicals	C	4
EAS E301	Environmental Earth Sciences	E	3
EAS E302	Stratigraphy of India	E	3
EAS E303	Recent Trends in Paleontology	E	3
UOM S001	Soft Skill - I	S	2
II SEMESTER			
EAS C304	Structural Geology and Geotectonics	C	4
EAS C305	Applied Remote Sensing and GIS	C	4
EAS C306	Field Mapping	C	2
EAS C307	Structural Geology and Geotectonics Practical	C	4
EAS C308	Petrology Practicals	C	4
EAS E304	Applied Petrology	E	3
	Elective	E	3
UOM S002	Soft Skill	S	2
III SEMESTER			
EAS C309	Exploration Geophysics	C	4
EAS C310	Applied Hydrogeology	C	4
EAS C311	Geophysics and Applied Hydrogeology Practicals	C	4
EAS E305	Disaster Management	E	3
EAS E306	Economic Geology	E	3
UOM S003	Soft Skill – 3	S	2
UOM 1001	Internship	I	2
IV SEMESTER			
EAS C312	Applied Geochemistry	C	4
EAS C313	Engineering and Mining Geology	C	4

EAS C314	Engineering, Mining Geology and Geochemistry Practicals	C	4
EAS C315	Geological Field Tour	C	2
EAS C316	Dissertation	C	4
EAS E307	Oceanography	E	3
UOM S004	Soft Skill – 4	S	2

ELECTIVES OFFERED BY THE DEPARTMENT

EAS E308	Remote Sensing and GIS	E	3
EAS E309	Climatology	E	3
EAS E310	Environmental Geology	E	3
EAS E311	Geological Oceanography	E	3

M.Sc. APPLIED GEOGRAPHY

Course code	Title of the Course	C/E/S	Credits			
			L	T	P	C
I SEMESTER						
EAS C001	Cartography and visualization	C	2	1	1	4
EAS C002	Applied Geomorphology	C	3	1	0	4
EAS C003	Climate, Climate change and adaptation	C	3	1	0	4
EAS C004	Practical-I Techniques of Mapping and Map Analysis	C	1	0	3	4
	Elective-1	E	2	1	0	3
	Elective-2	E	2	1	0	3
UOM S001	Soft Skill	S	2	0	0	2
II SEMESTER						
EAS C005	Geographic Information Science and Systems	C	3	1	0	4
EAS C006	Remote Sensing and Survey Techniques	C	3	1	0	4
EAS C007	Coastal and Oceanographic studies	C	3	1	0	4
EAS C008	Practical (Lab) – II : Digital Cartography and GIS Analysis	C	1	0	3	4
EAS C009	Field Survey and Mapping Techniques (Field Work)	C	0	1	1	2
	Elective-3	E	2	1	0	3
	Elective-4	E	2	1	0	3
UOM S002	Soft Skill	S	2	0	0	2
III SEMESTER						
EAS C010	Theoretical Economic Geography	C	2	1	1	4
EAS C011	Urban Environment and Sustainability	C	3	1	0	4
EAS C012	Natural Resource Management and Sustainable Development	C	3	1	0	4
EAS C013	Practical – III : Remote Sensing : Interpretation and Data Analysis	C	1	0	3	4
	Elective-5	E	2	1	0	3
	Elective-6	E	2	1	0	3
UOM S003	Soft Skill	S	2	0	0	2
IV SEMESTER						
EAS C014	Field work and spatial data analysis (Field work)	C	0	1	3	4
EAS C015	Project	C	0	1	5	6
	Elective-7	E	2	1	0	3
UOM I001	Internship	I	0	0	2	2
UOM S004	Soft Skill	S	2	0	0	2

ELECTIVES OFFERED BY THE DEPARTMENT OF GEOGRAPHY

Course code	Title of the Course	C/E/S	Credits			
			L	T	P	C
I SEMESTER						
EAS E001	Geographical Thought	E	2	1	0	3
EAS E002	Information System Management	E	2	1	0	3
EAS E003	Watershed Management	E	2	1	0	3
EAS E004	Geographies of Crime and Justice	E	2	1	0	3
II SEMESTER						
EAS E005	Bio-Geography	E	2	1	0	3
EAS E006	Environmental Impact Assessment	E	2	1	0	3
EAS E007	Political Geography	E	2	1	0	3
EAS E008	Research Design and Methods	E	2	1	0	3
III SEMESTER						
EAS E009	GIS Project Planning	E	2	1	0	3
EAS E010	Geo-informatics for Sustainable Land Resources	E	2	1	0	3
EAS E011	India's Development and Regional Planning	E	2	1	0	3
EAS E012	Physical Survey and Field Techniques	E	2	1	0	3
(Independent Studies)						
EAS S013	Web Cartography and Spatial Information delivery	E	2	1	0	3
EAS S014	Microwave Remote Sensing	E	2	1	0	3
EAS S015	Geography of Health Care	E	2	1	0	3
EAS S016	Sustainable Urban Land Management	E	2	1	0	3

M.Tech in GEOINFORMATICS

Course code	Title of the Course	C/E/S	Credits			
			L	T	P	C
I SEMESTER						
EAS C501	Digital Cartography and GIS	C	2	1	1	4
EAS C502	Fundamentals of Modern Surveying	C	3	1	0	4
EAS C503	Practical –I: Field Survey and Geoinformatics	C	1	0	3	4
EAS C504	Practical –II – GIS Lab	C	1	0	3	4
EAS E501	Physical Survey and Field Techniques	E	2	1	0	3
EAS E502	Information System Management	E	2	1	0	3
UOM S001	Soft Skill	S	2	0	0	2
II SEMESTER						
EAS C505	Geostatistics and Spatial data analysis	C	3	1	0	4
EAS C506	GIS and Geovisualisation	C	2	1	1	4
EAS C507	Photogrammetry & Remote Sensing	C	3	1	0	4
EAS C508	Practical-III: Photogrammetry and Image analysis lab	C	1	0	3	4
EAS E503	Field Survey and Resource Mapping	E	0	1	2	3
EAS E504	Web GIS & Location Based Web Service	E	1	1	1	3
UOM S002	Soft Skill	S	2	0	0	2
III SEMESTER						
EAS C509	Applied Image Analysis and Modelling	C	2	1	1	4
EAS C510	Geoinformatics for Sustainable Housing and	C	3	1	0	4

EAS C511	Applications of Geoinformatics for Natural Resource	C	3	1	0	4
EAS C512	Practical -IV- Spatial data Analysis and Management	C	1	0	3	4
EAS E505	Advanced Spatial Modelling and Programming					
EAS E506	GIS Project Planning and Management	E	1	1	1	3
EAS E507	Mini Project	E	0	1	2	3
UOM S003	Soft Skill	S	2	0	0	2
IV SEMESTER						
EAS C513	Project Work and Report	C	0	2	4	6
EAS C514	On job Training	C	0	1	3	4
EAS C515	Field work, Visualization and spatial data analysis	C	0	1	3	4
UOM I 001	Internship	I	0	0	2	2
UOM S004	Soft Skill	S	2	0	0	2

M.Phil. APPLIED GEOLOGY

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
EAS C321	Research Methodology and Data Processing	C	5
EAS C322	Instrumentation Techniques in Earth Sciences	C	5
EAS E321	Exploration Geophysics	E	5
EAS E322	Geohydrology	E	5
EAS E323	Environmental Geochemistry	E	5
EAS E324	Applied Micropaleontology	E	5
EAS E325	Remote Sensing	E	5
EAS E326	Integrated Coastal Zone Management	E	5
EAS E327	Natural Hazards & Disaster Risk Management	E	5
II SEMESTER			
EAS C323	Continuous Evaluation of the Project	C	6
EAS C324	Dissertation	C	10
EAS C325	Viva-voce	C	5

M.Phil. GEOLOGY

CourseCode	Title of the Course	C/E/S	Credit
I SEMESTER			
EAS C231	Research Methodology in Geology	C	5
EAS C232	Recent Researches in Geology	C	5
EAS E231	Applied Micropaleontology	E	5
EAS E232	Advanced Igneous and Metamorphic Petrology	E	5
EAS E233	Applied Sedimentology and Sequence Stratigraphy	E	4
EAS E234	Environmental Geosciences	E	4
EAS E235	Applied Marine Geology	E	4
EAS E236	Petroleum Geology	E	4
EAS E237	Remote Sensing and GIS Application in Geosciences	E	4
II SEMESTER			
EAS C233	Dissertation and Viva- voce	C	21

SCHOOL OF CHEMICAL SCIENCES

The School of Chemical Sciences comprises of Departments of Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Polymer Science and Energy. These departments were established in 1960, 1975, 1950, 1952, 1983 respectively.

School of Chemical Sciences, University of Madras was established in 1973 when M.Phil Course common to Organic, Inorganic and Physical Chemistry was introduced. The Master of Science programme was introduced in 1976 wherein the first year students undergo a common chemistry programme and the students specialize in one of the areas of Chemistry in the second year: Physical Chemistry, Organic Chemistry and Inorganic Chemistry. Since 1987, the department of Analytical Chemistry also joined the School of Chemical Sciences and the teaching programme is conducted by admitting the students in all the four branches based on the performance of the students in the entrance examination.

In the School of Chemical Sciences teaching program is jointly organized by four departments, viz., Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Physical Chemistry. From the academic year 1975-76 the departments are conducting M.Sc & M.Phil. The Chairperson, School of Chemical Sciences coordinates the academic programme. The students of School of Chemical Sciences have been performing very well in the competitive examinations and are working in prestigious institutions in India and abroad.

The Department of Analytical Chemistry specializes in spectrometry, separation techniques electroanalytical methods, corrosion control and implants studies. The Department has the facilities of telecommunication network, library and computation laboratory. The sophisticated instruments of the Department include UV-visible spectrophotometers, polarographs, cyclic voltameter, potentiostat/ galvanostat, gas chromatograph, ion analyzer, corrosion monitoring system, HPLC, Electrochemical Workstation quartz crystal microbalance, refractometer, data acquisition systems and computers. The Department offers consultancy in analytical problems related to chemical industries, environment, material science, biomaterials, chelating resins electroanalytical studies, chemically modified electrodes.

The Department of Inorganic Chemistry concentrates on research work in photochemistry, Coordination chemistry, bioinorganic chemistry, catalysis (chemosensors, nanomaterials, polymers) and laser chemistry. The facilities in the Department include spectrophotometers, fluorimeters, photochemical, electrochemical systems, flash photolysis spectrometer, Nd-YAG pumped laser flash photolysis spectrometer, excimer laser, time-correlated Single Photon Counting spectrometer, IR, UV-Visible, esr, gas chromatograph, cyclic voltammeter and pulse polarograph.

The Department of Organic Chemistry specializes in the fields of synthesis of heterocyclic compounds of pharmacological interest, (supramolecular chemistry and synthesis of organic nanomaterials), asymmetric synthesis, bio- organic and carbohydrate chemistry. The facilities of the department include (Bruker 300 MHz NMR and mass spectrometer, UV-vis spectrophotometer, FT IR, C,H,N elemental analyzer, GC, HPLC and Polarimeter. The staff of this department offer consultancy services in the synthesis of various types of industrially important organic compounds and structure solving assistance through spectra.

Inorganic Chemistry

Dr. P. Ramamurthy, Ph.D	Professor and Head
Dr. V. Narayanan, Ph.D	Associate Professor
Dr. K. Pandian, Ph.D	Associate Professor

Organic Chemistry

Dr. A.K. Mohanakrishnan, Ph.D	Associate Professor & Head i/c
Dr.K. Parthasarathy Ph.D	Assistant Professor
Dr. R. Anandan Ph.D	Assistant Professor

Physical Chemistry

Dr. E.Murugan	Professor & Head
Dr. R.Sasikumar Ph.D	Assistant Professor
Mr.S.Nehru M.Sc	Assistant Professor
Dr.P.Prabhu Ph.D	Assistant Professor

Polymer Science

Dr. A. Sultan Nasar, Ph.D	Professor & Head
Dr. G. Harichandran, Ph.D	Associate Professor
Dr. N. Rajendiran, Ph.D	Assistant Professor
Dr. G. Sankar, Ph.D	Assistant Professor

Energy

Dr. S. Austin Suthanthiraraj, Ph.D	Professor and Head
Dr. B. Muthuraaman Ph.D	Assistant Professor

Material Science

Dr. E.Murugan Ph.D	Professor and Head i/c
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M.Sc. ANALYTICAL CHEMISTRY

Course code	Title of the Course	C/E/S	Credits			
			L	T	P	C
I SEMESTER						
CHE C001	Fundamentals of Analytical Chemistry	C	3	0	0	3
CHE C101	Coordination and Nuclear Chemistry	C	3	0	0	3
CHE C201	Stereochemistry and Organic Reaction Mechanism	C	3	0	0	3
CHE C301	Thermodynamics and Chemical Kinetics	C	3	0	0	3
CHE C202	Organic Chemistry Practical – I	C	0	0	3	3
CHE C302	Physical Chemistry Practical – I	C	0	0	3	3
CHE E001	Electronics and Computers for Chemists	E	3	0	0	3

CHE E101	Inorganic Reaction Mechanism	E	3	0	0	3
CHE E201	Name Reactions in Organic Chemistry	E	3	0	0	3
CHE E304	Solid State Chemistry	E	3	0	0	3
UOM S001	Soft Skill	S	2	0	0	2
II SEMESTER						
CHE C002	Analytical Instrumentation	C	3	0	0	3
CHE C102	Main Group Elements and Inorganic Polymers	C	3	0	0	3
CHE C203	Organic Reaction Mechanism	C	3	0	0	3
CHE C303	Quantum Chemistry and Group Theory	C	3	0	0	3
CHE C003	Analytical Chemistry Practical – I	C	0	0	3	3
CHE C103	Inorganic Chemistry Practical – I	C	0	0	3	3
CHE E002	Analysis of Complex Materials	E	3	0	0	3
CHE E102	Nuclear Chemistry	E	3	0	0	3
CHE E202	Functional Group Transformation in Organic Chemistry	E	3	0	0	3
CHEE302	Macromolecular Chemistry	E	3	0	0	3
UOM S002	Soft Skill	S	2	0	0	2
III SEMESTER						
CHE C601	Physical Methods in Chemistry	C	4	0	0	4
CHE C004	Practical – Analysis of Complex Materials and Separation Techniques	C	0	0	3	3
CHE C005	Practical – Instrumental Methods	C	0	0	3	3
CHE E003	Classical & Radioanalytical Methods of Analysis	E	3	0	0	3
CHE E601	Biological Chemistry	E	3	0	0	3
UOM S003	Soft Skill	S	2	0	0	2
UOM I001	Internship	I	0	0	2	2
IV SEMESTER						
CHE C006	Optical and Surface Analytical Techniques	C	4	0	0	4
CHE C007	Separation Techniques	C	4	0	0	4
CHE C008	Project	C	0	0	6	6
CHE C009	Chromatographic Techniques	C	4	0	0	4
CHE E004	Electroanalytical Chemistry	E	3	0	0	3
CHE E005	Introduction to Chromatographic Techniques	E	3	0	0	3
CHE E006	Basic Electroanalytical Chemistry	E	3	0	0	3
CHE E603	Novel Reagents in Organic Synthesis	E	3	0	0	3
UOM S004	Soft Skill	S	2	0	0	2

M.Sc INORGANIC CHEMISTRY

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
CHE C001	Fundamentals of Analytical Chemistry	C	3
CHE C101	Coordination and Nuclear Chemistry	C	3
CHE C201	Stereochemistry and Organic Reaction Mechanism	C	3
CHE C301	Thermodynamics and Chemical Kinetics	C	3
CHE C202	Organic Chemistry Practical - I	C	3
CHE C302	Physical Chemistry Practical - I	C	3
CHE E001	Electronics and Computers for Chemists	E	3
CHE E101	Inorganic Reaction Mechanism	E	3
CHE E201	Name Reactions in Organic Chemistry	E	3
CHE E301	Essential of Statistical thermodynamics	E	3
UOM S002	Soft Skill	S	2
II SEMESTER			
CHE C002	Analytical Instrumentation	C	3
CHE C102	Main Group Elements and Inorganic Polymers	C	3
CHE C203	Organic Reaction Mechanism	C	3
CHE C303	Quantum Chemistry and Group Theory	C	3
CHE C003	Analytical Chemistry Practical - I	C	3
CHE C103	Inorganic Chemistry Practical - I	C	3
CHE E002	Analysis of Complex Materials	E	3
CHE E102	Nuclear Chemistry	E	3
CHE E202	Functional Group Transformation	E	3
CHE E302	Macromolecular Chemistry	E	3
UOM S002	Soft Skill	S	2
III SEMESTER			
CHE C601	Physical Methods in Chemistry	C	4
CHE C104	Inorganic Chemistry Practical - II	C	3
CHE C105	Inorganic Chemistry Practical - III	C	3
CHE E601	Biological Chemistry	E	3
CHE E602	Photochemistry and Nanomaterials	E	3
UOM S003	Soft Skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
CHE C106	Transition Metal Chemistry	C	4
CHE C107	Organometallic Chemistry	C	4
CHE C108	Project	C	6
CHE E603	Novel Reagents in Organic Synthesis	E	3
CHE E004	Electroanalytical Chemistry	E	3
UOM S004	Soft Skill	S	2
	Elective for other Schools		
CHE E103	Metal ions in biology	E	3

M.Sc. ORGANIC CHEMISTRY

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
CHE C001	Fundamentals of Analytical Chemistry	C	3
CHE C101	Coordination and Nuclear Chemistry	C	3
CHE C201	Stereochemistry and Organic Reaction Mechanism	C	3
CHE C301	Thermodynamics and Chemical Kinetics	C	3
CHE C202	Organic Chemistry Practical - I	C	3
CHE C302	Physical Chemistry Practical - I	C	3
CHE E001	Electronics and Computers for Chemists	E	3
CHE E101	Inorganic Reaction Mechanism	E	3
CHE E201	Name Reactions in Organic Chemistry	E	3
CHE E301	Essentials of Statistical thermodynamics	E	3
UOM S001	Soft Skill	S	2

SEMESTER II			
CHE C002	Analytical Instrumentation	C	3
CHE C102	Main Group Elements and Inorganic Polymers	C	3
CHE C203	Organic Reaction Mechanism	C	3
CHE C303	Quantum Chemistry and Group Theory	C	3
CHE C003	Analytical Chemistry Practical - I	C	3
CHE C103	Inorganic Chemistry Practical - I	C	3
CHE E002	Analysis of Complex Materials	E	3
CHE E102	Nuclear Chemistry	E	3
CHE E202	Functional Group Transformation	E	3
CHE E302	Macromolecular Chemistry	E	3
UOM S002	Soft Skill	S	2
SEMESTER III			
CHE C601	Physical Methods in Chemistry	C	4
CHE C204	Organic Chemistry Practical - II	C	3
CHE C205	Organic Chemistry Practical - III	C	3
CHE E601	Biological Chemistry	E	3
CHE E604	Chemistry of Heterocycles, Organolithium and Asymmetric synthesis	E	3
UOM S003	Soft Skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
CHE C206	Orbital Symmetry, Photochemistry and Non-conventional techniques in Organic Synthesis	C	4
CHE C207	Chemistry of Natural Products	C	4
CHE C208	Project	C	6
CHE E203	Structural Organic Chemistry	E	2
CHE E204	Modern Synthetic Methodology and Spectrometric Identification of Organic Compounds	E	3
CHE E603	Novel Reagents in Organic Synthesis	E	3
UOM S004	Soft Skill	S	2
	Elective for other Schools		

M.Sc. PHYSICAL CHEMISTRY

Course Code	Title of the Course	C/E	Credit
I SEMESTER			
CHE C001	Fundamentals of Analytical Chemistry	C	3
CHE C101	Coordination and Nuclear Chemistry	C	3
CHE C201	Stereochemistry and Organic Reaction Mechanism	C	3
CHE C301	Thermodynamics and Chemical Kinetics	C	3
CHE C202	Organic Chemistry Practical - I	C	3
CHE C302	Physical Chemistry Practical - I	C	3
CHE E001	Electronics and Computers for Chemists	E	3
CHE E101	Inorganic Reaction Mechanism	E	3
CHE E201	Name Reactions in Organic Chemistry	E	3
CHE E301	Essentials of Statistical Thermodynamics	E	3
UOM S001	Soft Skill	S	2
II SEMESTER			
CHE C002	Analytical Instrumentation	C	3
CHE C102	Main Group Elements and Inorganic Polymers	C	3
CHE C203	Organic Reaction Mechanism	C	3
CHE C303	Quantum Chemistry and Group Theory	C	3
CHE C003	Analytical Chemistry Practical – I	C	3
CHE C103	Inorganic Chemistry Practical – I	C	3
CHE E002	Analysis of Complex Materials	E	3
CHE E102	Nuclear Chemistry	E	3
CHE E202	Functional Group Transformation in Organic Chemistry	E	3
CHE E302	Macromolecular Chemistry-I	E	3
UOM S002	Soft Skill	S	2
III SEMESTER			
CHE C601	Physical Methods in Chemistry	C	4
CHE E601	Biological Chemistry	E	3
CHE C304	Physical Chemistry Practical – II	C	3
CHE C305	Physical Chemistry Practical – III	C	3
CHE E602	Photochemistry and Nanomaterials	E	3
	Elective (from other school)	E	3
UOM S003	Soft Skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
CHE C306	Advanced Chemical Thermodynamics and Kinetics	C	4
CHE C307	Quantum Chemistry and Macromolecules	C	4
CHE C308	Project	C	6
CHE E004	Electro Analytical Chemistry	E	3
CHE E603	Novel Reagents in Organic Synthesis	E	3
UOM S004	Soft Skill	S	2
Elective for other Schools			
CHE E303	Macromolecular Chemistry-II	E	3

M.Sc. POLYMER CHEMISTRY

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
CHE C401	Physical Chemistry - I	C	4
CHE C402	Organic Chemistry - I	C	4
CHE C403	Inorganic Chemistry - I	C	4
CHE C404	Chemistry Practicals - I	C	4
CHE E401	Introduction to Polymers	E	3
CHE E402	Reagents in Organic Synthesis	E	3
UOM S001	Soft Skill	S	2
II SEMESTER			
CHE C405	Physical Chemistry - II	C	4
CHE C406	Organic Chemistry - II	C	4
CHE C407	Inorganic Chemistry - II	C	4
CHE C408	Chemistry Practicals - II	C	4
CHE E403	Essentials of Polymer Physics	E	3
CHE E404	Molecular Spectroscopy	E	3
UOM S002	Soft Skill	S	2

III SEMESTER			
CHE C409	Polymer Chemistry	C	4
CHE C410	Physical Chemistry of Polymers	C	4
CHE C411	Polymer Physics	C	4
CHE C412	Polymer Practicals	C	4
CHE E405	Speciality Polymers	E	3
UOM S003	Soft Skill	S	2
UOM I001	Industrial training (Internship)	I	2
IV SEMESTER			
CHE C413	Plastics Technology	C	4
CHE C414	Rubber and Fibre Technology	C	4
CHE C415	Research Project	C	6
CHE E406	Applied Polymer Science	E	3
CHE E407	Phenolic Resins and Aminoplastics	E	3
UOM S004	Soft Skill	S	2

M.Sc. ENERGY AND MATERIALS SCIENCE

Course Code	Title of the Course	C / E	Credits
I SEMESTER			
CHE C501	Fundamentals of Energy Science	C	4
CHE C502	Conventional and Renewable Energy Resources	C	4
CHE C503	Physics of Materials	C	4
CHE C504	Energy Lab - I	C	4
CHE E501	Basics of Energy Storage	E	3
CHE E502	Solid State Ionic Materials	E	3
UOM S001	Soft Skill	S	2

II SEMESTER			
CHE C505	Chemical Principles of Energy Conversion Processes	C	4
CHE C506	Solar Energy Materials	C	4
CHE C507	Principles of Thermal Energy Storage	C	4
CHE C508	Energy Lab - II	C	4
CHE E503	Energy Conversion Phenomena	E	3
CHE E504	Biomass Energy Production	E	3
UOM S002	Soft Skill	S	2
III SEMESTER			
CHE C509	Elements of Wind Energy	C	4
CHE C510	Electrochemical Energy Devices	C	4
CHE E505	Advances in Solar Cells	E	3
CHE C511	Energy Lab - III	C	4
CHE E506	Solar Collectors and Heaters	E	3
UOM S003	Soft Skill	S	2
UOM I001	Internship	I	2
IV SEMESTER			
CHE C512	Energy from Nuclear Fission and Fusion	C	4
CHE C513	Fuel Cell Technology	C	4
CHE C514	Research Project	C	8
CHE E507	Energy and Environment	E	3
UOM S004	Soft Skill	S	2

M.Phil. ANALYTICAL CHEMISTRY

Course Code	Title of the Course	C / E	Credit
I SEMESTER			
CHE C121	Research Methodology	C	5
CHE C122	Analytical Techniques and Instrumentation - I	C	5
CHE C123	Analytical Techniques and Instrumentation - II	C	5
II SEMESTER			
CHE C124	Dissertation and Viva-voce	C	21

M.Phil. INORGANIC CHEMISTRY

Course Code	Title of the Course	C / E	Credit
I SEMESTER			
CHE C221	Advanced Inorganic Chemistry	C	5
CHE C222	Advanced Organic Chemistry	C	5
CHE C223	Advanced Physical Chemistry	C	5
II SEMESTER			
CHE C224	Dissertation and Viva-voce	C	21

M.Phil. ORGANIC CHEMISTRY

Course Code	Title of the Course	C / E	Credit
I SEMESTER			
CHE C321	Advanced Inorganic Chemistry	C	5
CHE C322	Advanced Organic Chemistry	C	5
CHE C323	Advanced Physical Chemistry	C	5
II SEMESTER			
CHE C324	Dissertation and Viva-voce	C	21

M.Phil. PHYSICAL CHEMISTRY

Course Code	Title of the Course	C / E	Credit
I SEMESTER			
CHE C421	Advanced Inorganic Chemistry	C	5
CHE C422	Advanced Organic Chemistry	C	5
CHE C423	Advanced Physical Chemistry	C	5
II SEMESTER			
CHE C424	Dissertation and Viva- voce	C	21

SCHOOL OF PHYSICAL SCIENCES

The School of Physical Sciences comprises the Centre of Advance study in Crystallography and Biophysics, the Department of Nuclear Physics, the Department of Theoretical Physics and the Central Instrumentation and Service Laboratory.

CAS in Crystallography and Biophysics

The Department of Crystallography and Biophysics was founded in 1952 with Prof. G.N Ramachandran, F.R.S., as the Head. His genius guided the Department in its early years and lead to several pioneering discoveries. The Department is the home of the Triple Helical Structure of Collagen and the famous Ramachandran plot for the protein structure. In keeping with this great tradition, significant contributions to contemporary research topics continue to be made by the present faculty. The research theme of the faculty continues to be Structural Biology -Viz, (i) to elucidate the structure - function relationship of biological systems with special emphasis on biopolymers; and (ii) the development of methodologies for structural characterization of biomolecules. Faculty members are involved in research on structure and function of biological molecules including proteins, peptides, nucleic acids, drug molecules etc. Methods used include theoretical and computational studies, computer modeling, X-ray crystallography, NMR spectroscopy and other biophysical techniques. Research is also carried out on the development of crystallographic structure solution methods. Since its inception the department has published 1335 research papers and 22 books and volumes. The Department has hosted about 12 International conferences and about 45 at the National Level. A large number of distinguished scientists from India and abroad including more than 30 Nobel Laureates have visited the Department. Right from the beginning the University Grants Commission has been supporting the research activities of the Department generously through grants under CAS, SAP and COSIST programmes. The Department of Science and Technology has recognized this Department for assistance under FIST Programme (Level II). The Department has recently been upgraded to the status of 'Centre of Advanced Study' from April 2007.

The Department conducts a two year M. Sc. (Biophysics) course besides the Ph.D. programme. The sophisticated equipment of the department include single crystal X-ray Diffractometer, IR and UV visible spectrophotometers, ultracentrifuge, HPLC, several SGI workstations and a large number of PCs. A modern biochemical laboratory with state-of-the art equipment is also available. With DBT's massive support of `2.53 Crores, a modern x'ray data collection facility for macromolecules is also available.

Department of Nuclear Physics

The Department of Nuclear Physics was founded in the year 1969. The Department had received UGC funding for their teaching and research activities under COSIST programme for ten years and had also been funded under UGC-SAP for fifteen years for augmentation of research facilities. The M. Sc. programme in Physics and M.Sc in Electronics Science are offered by the Department of Nuclear Physics. The M. Sc. Electronics Science was funded by UGC and DOE and is offered jointly by the faculty of Department of Nuclear Physics and the Central Instrumentation and Service Laboratory. The above teaching and the research programme of the Departments of Nuclear Physics have been sanctioned generous funding under the FIST programme of DST for a period of five years from 2004.

The Department of Nuclear Physics offers independent M. Phil. and Ph.D. programmes. The research activities of the department concentrate broadly on Experimental Solid State Physics and Materials Science. The various fields in which research Programmes are currently being pursued are: 1. Nanostructured Materials for a) dielectric, b) semiconducting, c) environmental, d) optical, e) semiconducting, and f) magnetic applications, 2. Accelerator-based material modifications, 3. Semiconducting / Scintillating Single Crystals, 4. Dye-sensitized Solar Cells, 5. Layered Structures, and 6. Crystal Structure Determination. Research expertise in Experimental Techniques for Nanomaterial Synthesis, Mössbauer Spectroscopy, Positron Annihilation Spectroscopy, X-ray Diffraction, Electrodeposition, High-Pressure Synthesis, Electron Momentum Distribution, Thermal Analysis and Ion-Implantation is available in the faculty of the department. The department enjoys the facilities of a separate Library and a Computer Laboratory with several PCs. The Department has the following experimental facilities for material preparation: Box and Muffle Furnaces, Chemical Laboratory, Crystal Grinder/Polisher, High-Pressure Anvil, Hydraulic Press, Induction Furnace, Planetary Ball Mill, Pulsed-Electrodeposition Setup, and UHV Chamber for Nanomaterials Synthesis. The following material characterization facilities are also available: 2D Positron Angular Correlation Setup, Four-Probe Resistivity Setup, Impedance Analyser, Metallurgical Optical Microscope with Vicker's Indenter, Moessbauer Spectrophotometer, Thermal Analysis Facility, Vibrating Sample Magnetometer and X-ray Powder Diffractometer. In addition, the department houses a Modern Workshop with Lathe, Drilling, Milling and Grinding facilities. The research output of the department has lead to about 450 publications in International Journals. The Department has the expertise to offer consultancy in the following: Nanoparticle (ultrafine) Technology, Structural Characterisation using X-ray Diffraction for Chemical, Pharmaceutical and Engineering Industries, Design of Electronic Gadgets and Machine Jobs.

Department of Theoretical Physics

The Department of Theoretical Physics was founded in the year 1964. The Department of Theoretical Physics and the Department of Nuclear Physics had jointly received UGC funding for their teaching and research activities under COSIST programmes for ten years. From the academic year 2011-12, the department has been offering M.Sc. Physics course independently. The number of students admitted for the M.Sc. Course is 20. The department also offers M.Phil. in Theoretical Physics and Ph.D. Programmes. The department has a High Performance Computing Centre with numerous computational codes. The avenues of physics in which research programmes are pursued includes, 1) Ab initio studies in a) Transition metal doped semiconductors, b) Binary and Pseudo Binary

Intermetallics, c) Shape Memory Alloys, 2) Properties of Layered Structures – Graphene, 3) High Tc Superconductors, 4) Quaternary Semiconductors, 5) Quantum confinements in nano semiconductors, 6) Quantum Optics, 7) DFT calculations on DSSC along with experimental work to develop a suitable material to meet the growing energy demand and 8) Constrained systems (Field Theory). The department has a well equipped library with over thousand books including rare collections in Theoretical Physics along with the latest advances in Physics. The department has Net worked computation facility, independent Wi-Fi connection and e-resources.

Central Instrumentation and Service Laboratory (University Scientific Instrumentation Centre)

The University Grants Commission has established centres for providing instrumentation and engineering service facilities to scientific research as well as for promoting R& D in Instrumentation Technology in several Universities in the country since 1976. One such centre was established in 1976 in Madras University as the Central Instrumentation and Service Laboratory (CISL) and later upgraded as the University Science Instrumentation Centre (USIC) in 1980. This Centre maintains sophisticated scientific instruments and has been involved in conducting training programs to the faculty as well as the technical staff as per UGC guidelines in addition to the regular R & D work. To develop research aptitude in Instrumentation, an M. Phil Course on Scientific Instrumentation is being conducted since 1984 and also Ph.D programmes are offered since 1977 in various aspects of Instrumentation. Several University Departments as well as Colleges have made use of this Centre for their research work. The M.Sc., Electronics Science course is conducted jointly by this department and the Departments of Nuclear Physics & Theoretical Physics.

The Centre has an Electronic testing wing for the testing and servicing of all Electronic/ Scientific Instruments and has facility and expertise for the development of advanced circuit designs for various instrumentation applications. In addition to this, a well-equipped Instrument fabrication workshop is available. Liquid Nitrogen Plant is available in this Centre, which has been supplying liquid nitrogen for conducting the low temperature studies and specimen preservation.

The Department has carried out research, in collaboration with several agencies such as the C.L.R.I., C.S.I.O., C.S.E.R.I., and local hospitals, in several areas of Instrumentation including Scientific Instrumentation, Instrumentation for Tannery Effluent treatment and medical diagnostics. As evidence of research contribution, several research papers as well as technical articles have been published in refereed journals on various aspects of instrumentation.

Faculty

Dr. Rita John, Ph.D	Chairperson
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CAS in Crystallography and Biophysics

Dr. P. Karthe, Ph.D	Professor & Head
Dr. K. Gunasekaran, Ph.D	Assistant Professor
Dr.V.Rajakannan, Ph.D	Assistant Professor
Dr.D.Gayathri, Ph.D	Assistant Professor

Dr.Preethi Rangunathan, Ph.D

Assistant Professor

Dr. K.Gugan, Ph.D

Assistant Professor

Nuclear Physics

Dr. C. Venkateswaran, Ph. D

Professor and Head

Dr. G. Anbalagan, Ph.D.

Profoessor

Dr. A. Stephen, Ph. D

Associate Professor

Dr. K. Sivaji, Ph. D

Associate Professor

Dr. K. Ravichandran, Ph.D

Associate Professor

Dr. J. Senthil Selvan, Ph.D

Assistant Professor

Theoretical Physics

Dr. Rita John, Ph.D

Professor & Head

Dr. A.S. Vytheeswaran, Ph.D

Assistant Professor

Dr. R. Radhakrishnan

Assistant Professor

Dr. G. Gnana Sangeetha Ph.D

Assistant Professor

Dr. M. Rajalakshmi Ph.D

Assistant Professor

Central Instrumentation Research and Service Laboratory

Dr. D. Nedumaran, Ph.D

Associate Professor & Head i/c

Network Systems and Information Technology

Dr. S. Ananthi, Ph.D

Associate Professor & Head i/c

CENTRE FOR ADVANCED STUDIES IN CRYSTALLOGRAPHY & BIOPHYSICS

M.Sc. BIOPHYSICS

Course code	Title of the Course	C/E	Credits			
			L	T	P	C
I SEMESTER						
PHY C001	Elementary Crystallography	C	3	1	0	4
PHY C002	Principles of Macromolecular Structure & Function	C	4	0	0	4
PHY C003	Mathematics for Biophysics	C	4	0	0	4
PHY C004	Molecular Cell Biology	C	3	1	0	4
PHY C005	Macromolecular Structure & Function (Theory & Practice)	C	0	2	2	4
PHY E001	Computational Biology	E	2	1	0	3
PHY E002	Molecules and Medicine	E	2	1	0	3
II SEMESTER						
PHY C006	Principles and Applications of Spectroscopy to Biomolecules	C	3	1	0	4
PHY C007	Physical Studies of Macro - molecules in Solution	C	3	1	0	4
PHY C008	Molecular Biology of the Gene	C	3	1	0	4

PHY E003	Basic Structural Biology	E	2	1	0	3
PHY E004	Basics of Molecular Virology	E	2	1	0	3
PHY E005	Introduction to Chemoinformatics and Computer aided Drug Design	E	2	1	0	3
PHY E006	Proteins and Proteomics	E	2	1	0	3
	Soft Skill	S	2	0	0	2
UOM I001	Internship	I	0	0	2	2
III SEMESTER						
PHY C009	Three Dimensional Structure Determination of Drug Molecules	C	3	1	0	4
PHY C010	Seminars in Biophysics	C	0	4	0	4
PHY C011	Macromolecular Crystallography	C	3	1	0	4
PHY C012	Crystallography Laboratory	C	0	0	4	4
PHY E007	Membrane Biophysics & Neuro Biophysics	E	2	1	0	3
PHY E008	Fundamentals of Molecular Spectroscopy (Other Dept.)	E	2	1	0	3
UOM S003	Soft Skill	S	2	0	0	2
IV SEMESTER						
PHY C013	Biophysics of the Immune System	C	3	1	0	4
PHY C014	Project Work	C	0	0	4	4
PHY C015	Biophysics Laboratory	C	0	0	4	4
PHY E009	Protein Purification & Characterization	E	2	1	0	3
UOM S004	Soft Skill	S	2	0	0	2

DEPARTMENT OF NUCLEAR PHYSICS

M.Sc. PHYSICS

Course code	Title of the course	C/ E	Credits			
			L	T	P	C
SEMESTER I						
PHY C101	Mathematical Physics	C	3	1	0	4
PHY C102	Electronic Devices and Circuits	C	3	1	0	4
PHY C103	Classical Mechanics	C	3	1	0	4
PHY C104	Practical - I – General Physics	C	0	0	4	4
PHY E101	Laser, Nonlinear Optics & Integrated Optics	E	2	1	0	3
PHY E102	Nuclear Detectors and Techniques	E	2	1	0	3
PHY E103	Mobile Communication	E	2	1	0	3
UOM S001	Soft Skill	S				2
SEMESTER II						
PHY C105	Molecular Physics and Spectroscopy	C	3	1	0	4
PHY C106	Quantum Mechanics - I	C	3	1	0	4
PHY C107	Electromagnetic Theory	C	3	1	0	4
PHY C108	Practical - II - Nuclear Physics & Optical Physics	C	0	0	4	4
PHY E104	Electronic Communication	E	2	1	0	3
PHY E105	Safety Aspects of Ionising Radiation	E	2	1	0	3
PHY E106	Nuclear Materials	E	2	1	0	3
UOM S002	Soft Skill	S				2
UOM I001	Internship	I				2

SEMESTER III						
PHY C109	Quantum Mechanics – II	C	3	1	0	4
PHY C110	Statistical Physics	C	3	1	0	4
PHY C111	Nuclear Physics & Elementary Particle Physics	C	3	1	0	4
PHY C112	Condensed Matter Physics	C	3	1	0	4
PHY E107	Physics of Thin Films	E	2	1	0	3
PHY E108	Introduction to Spintronics	E	2	1	0	3
PHY E109	Materials Characterization	E	2	1	0	3
UOM S003	Soft Skill	S				2
SEMESTER IV						
PHYC113	Materials Physics	C	3	1	0	4
PHY C114	Computational Techniques & Programming	C	3	1	0	4
PHY C115	Project and Viva-voce	C	0	0	6	6
PHY E110	Physics of Imaging	E	2	1	0	3
PHY E111	Reactor Physics	E	2	1	0	3
PHY E112	Physics of Nano Materials	E	2	1	0	3
PHY E113	X-ray Powder Diffraction	E	2	1	0	3
UOMS004	Soft Skill	S				2

DEPARTMENT OF THEORETICAL PHYSICS

II

M.Sc. PHYSICS

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
PHY C301	Mathematical Physics	C	4
PHY C302	Electronics	C	4
PHY C303	Classical Mechanics	C	4
PHY C304	General Practical - I	C	4
PHY E301	Applications of Theory of Probability and Statistics	E	3
PHY E302	Special Functions and their Applications	E	3
UOM S001	Soft Skill	S	2
II SEMESTER			
PHY C305	Numerical Methods & Computer Programming	C	5
PHY C306	Electromagnetic Theory	C	4
PHY C307	Quantum Mechanics - I	C	4
PHY C308	General Practical - II	C	4
PHY E303	Elementary Quantum Mechanics (For students from other departments)	E	3
PHY E304	Mathematical Techniques	E	3
UOM S002	Soft Skill	S	2
UOM I001	Internship	I	2
III SEMESTER			
PHY C309	Quantum Mechanics - II	C	5
PHY C310	Statistical Physics	C	4
PHY C311	Nuclear and Elementary Particle Physics	C	4
PHY C312	Condensed Matter Physics	C	4
PHY E305	Introduction to Nanoscience	E	3
PHY E306	General Relativity and Cosmology	E	3
UOM S003	Soft Skill	S	2

IV SEMESTER			
PHY C313	Elements of Spectroscopy	C	4
PHY C314	Project Work & Viva voce	C	6
PHY E307	Theory of nano-solids	E	3
PHY E308	Astrophysics and Advanced Nuclear Theory	E	3
PHY E309	Advanced Topics in Mathematical Physics	E	3
PHY E310	Quantum Field Theory	E	3
PHY E311	Band Gap Engineering in Semiconductors	E	3
PHY E312	Introduction to Bose-Einstein Condensation (BEC), Superfluidity and Superconductivity	E	3
PHY E313	Crystal Growth and Phil Film Physics	E	3
UOM S004	Soft Skill	S	2

M.Phil. PHYSICS

Course Code	Title of the Course	C/E	Credits			
			L	T	P	C
I SEMESTER						
PHY C101	Research Methodology	C	4	1	0	5
PHY C102	Advanced Topics in Physics	C	4	1	0	5
PHY E101	Characterisation of Materials	E	4	1	0	5
PHY E102	Application of Thermal Analysis Techniques	E	4	1	0	5
PHY E103	Advanced Nuclear Physics and Radiation Detection	E	4	1	0	5
PHY E104	Reactor Physics	E	4	1	0	5
II SEMESTER						
PHY C103	Dissertation and Viva-Voce	C				21

M.Phil. THEORETICAL PHYSICS

Course Code	Title of the Course	C/E	Credits			
			L	T	P	C
I SEMESTER						
PHY C001	Advanced Mathematical Methods for Physicists	C	4	1	0	5
PHY C002	Advanced Topics in Physics	C	4	1	0	5
PHY E001	Statistical Physics	E	4	1	0	5
PHY E002	Nonlinear Dynamics and Chaos	E	4	1	0	5
PHY E003	Path Integral Methods	E	4	1	0	5
PHY E004	Atomic Structure	E	4	1	0	5
PHY E005	Quantum Groups	E	4	1	0	5
PHY E006	Advanced topics in Condensed Matter Physics	E	4	1	0	5
II SEMESTER						
PHY C003	Dissertation and Viva-voce	C				21

M.Phil. SCIENTIFIC INSTRUMENTATION

Course Code	Title of the Course	C / E	Credit
I SEMESTER			
PHY C221	Principles of Instrumentation	C	5
PHY C222	Microprocessors and Computing in Instrumentation	C	5
PHY E221	Scientific Instrumentation	E	5
II SEMESTER			
PHY C223	Dissertation and Viva- voce	C	21

M.Phil. NETWORK SYSTEMS AND INFORMATION TECHNOLOGY

Course Code	Title of the Course	C / E	Credit
I SEMESTER			
NST C001	Embedded System and VLSI	C	5
NST C002	Advanced Topics in Network Security	C	5
NST E001	Web Techonology	E	5
NST E002	Data Communication and Computer Networks	E	5
II SEMESTER			
NST C003	Dissertation and Viva- voce	C	21

SCHOOL OF LIFE SCIENCES

The Centre for Advanced Studies in Botany, and the Departments of Zoology, Biochemistry, Bio Informatics and Biotechnology and Centre's for Ocean & Coastal Studies and Herbal Sciences together constitute the School of Life Sciences. **The School of Life Sciences has been recognized as “Centre with Potential for Excellence in Particular Area: CPEPA” by UGC** and sanctioned a research programme on ‘Biomolecules against human, animal and plant viruses’. In addition, **this school has also been receiving financial support by Department of Biotechnology, Ministry of Science and Technology**, Government of India under *BUILDER (Boost to University of Madras Interdisciplinary Life Science Programme for Advance Education and Research)* for strengthening all our post graduate programmes in the school to a tune of 5.24 crores (2014-2019).

The first Science department of the University of Madras viz., the Department of Zoology was started in 1927 with Sir. K. Ramunny Menon as the honorary director. The department teaches and researches in the fields of Cryopreservation of gametes and embryos of penaid prawns, Eye stalk neuropeptides and control of reproduction in the decapod crustaceans, Molecular aspects of reproduction in the decapod crustaceans, Biofouling, Environmental impact assessment, Water quality, Aquaculture of live food organisms, Mass culture of fairy shrimps and brine shrimps, Adaptations of cryptobiotic cysts of fairy shrimps and rotifers, Immunobiology of cultivable aquatic invertebrates, Physiology of respiratory pigments, Cell surface glycoproteins, Cancer and free radical biology, Economic Entomology, Biomolecules with Biomedical potentials etc., Facilities are available to do research on the biological and biochemical aspects of animals. Sophisticated instruments available in the department are: AAS, RT-PCR, Spectrofluorimeter, Planer Biomed Kryo 10, Standard Liquid Chromatography system, UV-Visible Spectrophotometers, Electrophoresis Systems, Gas Liquid Chromatography, Phase Contrast and Fluorescence Microscope, Lyophilizer, Ultracentrifuge, HPLC & GC systems, ELISA Reader, Osmometer etc., The consultancy potentials of the department lies in the areas of environmental impact assessment, water quality, cryopreservation in crustacean embryos, live feed for aquaculture, health care of marine organism, immunology of marine organism, biochemistry of cancer and insect pest management. The department offers Masters (M.Sc. & M.Phil.) and Ph.D. programmes. The department has been identified by UGC and has been receiving funds for the last 25 years for research in a thrust area under UGC - DRS and DSA programme. Our department is also been recognized by Ministry of Environment and Forests with a centre called ENVIS since 2002 as a database centre for ‘Microorganisms and Environment Management’. In addition, the department has been conducting post graduate diploma

courses viz., P.G. Diploma in Immunotechnology, Stem Cell Biology & Tissue Engineering and Clinical Embryology. The department is also added with a post graduate teaching cum laboratory in the insectarium building with new instrumentation facility supported by DBT-BUILDER.

The Department of Botany was started in 1929 for generating specialization in the field of Algology. In 1944 the emphasis shifted to Plant Pathology. In 1963 it was chosen for elevation as a Centre for Advanced Studies by the University Grants Commission. Algology, Algal Biotechnology, Mycology, Fungal Biotechnology, Molecular Plant Pathology, Environmental Microbiology, Plant Biotechnology and Genetic Engineering are the areas in which teaching and research are carried out by the Centre. The Centre is well equipped with modern sophisticated instruments. The Centre maintains one of the largest culture collections in South Asia and about 800 algal, 500 fungal and a few bacterial strains are maintained. The Centre has an excellent field laboratory, situated at Maduravoyal, 10 kilometers away from Madras with all facilities to conduct field trials. The centre has sophisticated equipments like Atomic Absorption Spectrophotometer, Contamination Monitor, Electroporator, Bio- SEM, ELISA reader, Environmental Shakers, Fermentors, French Press, Gas Liquid Chromatography, Gel Eluter and Progenitor, High Performance Liquid Scintillation Counter, Luminometers, PCR (Polymerase Chain Reaction) Units, Photomicroscope, Scanning densitometer, Spectrofluorimeter, Spectrophotometers, Transilluminator, Ultracentrifuges, Ultramicrotome, Ultrasonicators and Vacuum freezer. The Centre offers consultancy on high technology for organic cultivation of cereals and vegetable crops, bio-fertilizers, bio-pesticides and biotechnological agents. Mushroom production and mushroom compost, Bio-remediation and Biotransformation of heavy metal pollution, Tannery effluent, dye factory effluent, Xenobiotics, radioactivity pollution and oil- pollution, Bio-remediation of polluted soils are some areas in which frequent consultancy takes place. The department offers Masters, M.Phil. and Ph.D. programmes.

The department of Biochemistry was started in 1933 under the headship of Dr. M. Damodaran, to study Chemistry and Metabolism of proteins and enzymes. Since 1945, the department offers Masters, M.Phil and Ph.D. programmes. The department teaches and researches in the areas of Clinical Biochemistry, Cancer Biology, Standardization of Pharmaceuticals, Nutritional Biochemistry, De-addiction, Biochemical and Environmental Toxicology and Microbial Pathogenesis. The sophisticated equipments in the department are: Spectrophotometer, Liquid Scintillation Counter, Refrigerated High speed Centrifuges and other instruments essential for biochemical investigations. The Department offers consultancy for Evaluation of drug efficacy and safety, Biochemical investigations for diagnosis, Anticancer studies, Narcotic addicts– Biochemical studies, Cardiotonic drugs, Respiratory and Gastro-intestinal infections, Hepatoprotective activity studies and Efficacy of Ayurvedic drugs. The department was renamed as the Department of Biochemistry and Molecular Biology in 1998 and offers Masters programme in Molecular Biology.

The department of Biotechnology was started in 1997. The department offers Masters and Ph.D. Programmes

Faculty

Dr. S. Elumalai

Chairperson

Zoology

Dr. S. Janarthanan, Ph.D

Professor & Head

Dr. C. Arulvasu, Ph.D

Assistant Professor

Dr. R. Manikandan, Ph.D

Assistant Professor

Dr. M. Jayakumar, Ph.D

Assistant Professor

Dr. R. Shanthi, Ph.D

Assistant Professor

Centre for Advanced Studies in Botany

Dr. N. Mathivanan, Ph.D

Professor & Director

Dr. P. Palani, Ph.D

Assistant Professor

Dr. N. Radhakrishnan, Ph.D

Assistant Professor

Dr. S. Nagaraj, Ph.D

Assistant Professor

Dr. K. Malarvizhi, Ph.D

Assistant Professor

Biochemistry

Dr. Elangovan Vellaichamy, Ph.D

Professor and Head

Dr. S. Subramanian, Ph.D

Assistant Professor

Dr. G. Sudhandiran, Ph.D

Assistant Professor

Dr. A. J. Vanisree, Ph.D

Assistant Professor

Biotechnology

Dr. S. Elumalai

Professor & Head

Dr. K. Uma Maheswari, Ph.D

Associate Professor

Dr. G. Vijayan Siva, Ph.D

Assistant Professor

Dr. K. Kathiravan, Ph.D

Assistant Professor

Bio Informatics

Dr. S. Elumalai

Professor and Head i/c

Centre for Ocean and Coastal Studies

Dr. S. Elumalai

Professor and Head i/c

Centre for Herbal Sciences

Dr. Elangovan Vellaichamy, Ph.D

Professor & Head i/c

M. Sc. ADVANCED BIOCHEMISTRY

Course Code	Title of the Course	Core/ Elective	Cr.
SEMESTER I			
LIF C001	Techniques in Biochemistry	Core	4
LIF C002	Chemistry of Biomolecules	Core	4
LIF C003	Clinical Biochemistry	Core	4
LIF C004	Lab course in Biochemical Techniques & Clinical Biochemistry	Core	4
LIF E001	Human Physiology	Elective	3
		Soft skill 1	2
SEMESTER II			
LIF C006	Immunology I	Core	4
LIF C007	Metabolic Regulation	Core	4
LIF C008	Molecular Biology of Gene	Core	4
LIF C009	Lab course in Molecular Biology	Core	4
LIC E002	System Physiology-Plant (offered by CAS in Botany)	CE-1	3
LIF E003	Metabolic Disorders	Elective	3
LIF E004	Enzymology	Elective	3
		Soft skill 2	2
SEMESTER III			
LIF C010	Hormonal Biochemistry	Core	4
LIF C011	Immunology II	Core	4
LIF C012	Microbial Approach to Industrial and Pharmaceutical Biochemistry	Core	4
LIF C013	Lab Course in Microbiology	Core	4
LIF C014	Eukaryotic gene Expression	Core	3
LIF E005	Signal Transduction	Elective	3
LIC E003	Molecular Biology-Concept and Processes (offered by Department of Biotechnology)	CE-2	3
LIC E004	System Physiology- Animals (offered by Dept. of Zoology)	CE-3	3
		Soft skill 3	2
UOM I001		Internship	2
SEMESTER IV			
LIF C015	Recombinant DNA Technology	Core	4
LIF C016	Project and <i>viva voce</i>	Core	8
LIF E006	Basics of Gene Therapy	Elective	3
LIF E007	Experimental Induction and Diagnosis of Diseases	Elective	3
		Soft Skill-4	2

M. Sc. BIOTECHNOLOGY

Course Code	Course Title	C/E/S	Credit
I Semester			
LIF C201	Bio Analytical Techniques	C	4
LIF C202	Molecular Cell Biology	C	4
LIF C203	Microbiology	C	4
LIF C204	Practical 1 – (A) Bio Analytical Techniques (B) Molecular Cell Biology © Microbiology	C	4
LICE201	Molecules and Their Interactions Relevant to Biology	CE	3
LIF E205	Molecular Developmental Biology	E	3

LIF E206	Molecular Genetics	E	3
UOM S001	Soft Skill I	S	2
II Semester			
LIF C207	Enzymology & Enzyme Technology	C	4
LIF C208	Recombinant DNA Technology	C	4
LIF C209	Animal Cell Biotechnology	C	4
LIF C210	Plant Biotechnology	C	4
LIF C211	Practical II – (A) Enzymology & Enzyme Technology (B) Recombinant DNA Technology (C) Animal Cell Biotechnology (D) Plant Biotechnology	C	4
LIF E212	Molecular Plant Virology	E	3
LIF E213	Biostatistics & Scientific Writing	E	3
LIF E214	Genomics & Proteomics	E	3
LICE202	Systems Physiology-Plants	CE	3
UOM S002	Soft Skill II	S	2
UOM S003	Soft Skill III	S	2
III Semester			
LIF C216	Immunology	C	4
LIF C217	Bioprocess & Microbial Technology	C	4
LIF C218/ LICE203	Molecular Biology- Concepts & Processes	C/CE	4/3
LIF C219	Practical III – (A) Immunology (B) Bioprocess & Microbial Technology	C	4
LIF E220	Environmental Biotechnology	E	3
LICE204	System Physiology - Animal	CE	3
UOM S004	Soft Skill IV	S	2
UOM 1001	Internship	I	2
IV Semester			
LIF C222	Dissertation	C	8

M.Sc. BOTANY

Course Code	Title of the Course	C/E/S	Credits			
			L	T	P	C
SEMESTER I						
LIF C301	Biodiversity – I. Algae, Fungi, Bryophytes, Bacteria and Viruses	C 1	4	0	0	4
LIF C302	Biodiversity – II. Pteridophytes, Gymnosperms and Angiosperms	C 2	4	0	0	4
LIF C303	Plant Cell Biology	C 3	4	0	0	4
LIF C304	Lab Course -1	C 4	0	0	4	4
LIC E301	Compulsory Elective: Molecules and Their Interaction Relevant to Biology (offered by Dept. of Biochemistry)	CE 1	3	0	0	3
	Elective 2	E 2	3	0	0	3
	Soft Skill 1	S 1	2	0	0	2
SEMESTER II						
LIF C305	Growth, Differentiation and Morphogenesis	C 5	4	0	0	4
LIF C306	Plant Ecology	C 6	4	0	0	4
LIF C307	Plant Physiology and metabolism	C 7	4	0	0	4
LIF C308	Phytochemistry	C 8	4	0	0	4
LIF C309	Lab Course - II	C 9	0	0	4	4

LIC E302	Compulsory Elective: System Physiology- Plant (for students of Zoology, Biochemistry and Biotechnology – offered by CAS in Botany)	CE 3	3	0	0	3
	Elective 4	E 4	3	0	0	3
	Soft Skill 2	S 2	2	0	0	2
SEMESTER III						
LIF C310	Molecular Biology	C 10	4	0	0	4
LIF C311	Molecular Genetics and Biostatistics	C 11	4	0	0	4
LIF C312	Plant Biotechnology and Genetic Engineering	C 12	4	0	0	4
LIF C313	Lab Course Core III	C 13	0	0	4	4
LIC E303	Compulsory Elective: System Physiology – Animal (offered by the Dept. of Zoology)	CE 5	3	0	0	3
LIC E304	Compulsory Elective: Fundamental Processes (offered by the Dept. of Biotechnology)	CE 6	3	0	0	3
	Soft Skill 3	S 3	2	0	0	2
	Internship	I	2	0	0	2
SEMESTER IV						
LIF C314	Project work	C 14	8	0	0	8
	Elective 7	E 7	3	0	0	3
	Soft Skill 4	S4	2	0	0	2
ELECTIVES OFFERED DURING THE ODD (I & III) SEMESTERS						
LIF E301	Mass Cultivation of Algae	E	3	0	0	3
LIF E302	Phytopharmacognosy	E	3	0	0	3
LIF E303	Plant Tissue Culture	E	3	0	0	3
LIF E304	Natural Dyes	E	3	0	0	3
LIF E305	Proteomics	E	3	0	0	3
ELECTIVES OFFERED DURING THE EVEN (II & IV) SEMESTERS						
LIF E401	Social and Economic Implications of Biotechnology	E	3	0	0	3
LIF E402	Synthetic Biology	E	3	0	0	3
LIF E403	Fight Back Diseases with Herbals	E	3	0	0	3
LIF E404	Molecular Plant Virology	E	3	0	0	3
LIF E405	Mushroom Cultivation	E	3	0	0	3
LIF E406	Biopesticides Production Technology	E	3	0	0	3
LIF E407	Recombinant DNA Technology and Gene Therapy	E	3	0	0	3
LIF E408	Biological Techniques	E	3	0	0	3
LIF E409	Cyanobacterial Physiology and Biotechnology	E	3	0	0	3
LIF E410	Science and Technology of Biofuels	E	3	0	0	3

M. Sc. ZOOLOGY (SPECIAL)

Course Code	Title of the Course	Core/Elective	Cr.
Semester I			
LIF C501	Biology of Invertebrates	Core 1	4
LIF C502	Biology of Chordates	Core 2	4
LIF C503	Lab Course in Biology of Invertebrates & Chordates	Core 3 (Practical)	4
LICE101	Molecules and Their Interaction Relevant to Biology (offered by Department of Biochemistry)	Compulsory Elective 1	3
LIF E501	Biostatistics	Elective 1	3
	Soft Skill 1	S	2
Semester II			
LIF C504	Cellular & Molecular Biology	Core 4	4

LIF C505	Genetics	Core 5	4
LIF C506	Evolution	Core 6	4
LIF C507	Developmental Biology	Core 7	4
LIF C508	Lab Course in Cell Biology, Genetics & Developmental Biology	Core 8 (Practical)	4
LICE102	System Physiology - Plant (offered by CAS in Botany)	Compulsory Elective 2	3
LIF E502	Economic Entomology	Elective 2	3
	Soft Skill 2	S	2
Semester III			
LIFC509/ LICE103	System Physiology – Animal (offered by Department of Zoology) for Botany, Biochem & Biotech.)	Core 9 (Zoology) / Compulsory Elective 3	4/3
LIF C510	Research Methodology	Core 10	4
LIF C511	Immunology	Core 11	4
LIF C512	Lab Course in Immunology & Research Methodology	Core 12 (Practical)	4
LICE104	Molecular Biology: Concepts and Processes (offered by Department of Biotechnology)	Compulsory Elective 4	3
LIF E503	Stem Cell Biology	Elective 3	3
	Soft Skill 3	S	2
	Internship	I	2
Semester IV			
LIF C513	Principles of Ecology & Management	Core 13	4
LIF C514	Dissertation & <i>viva voce</i>	Project work (Core 14)	8
LIF E504	Aquaculture & Fisheries	Elective 4	3
	Soft Skill 4	S	2

M.Phil. BIOCHEMISTRY

Course Code	Title of the Course	C/E	Credit
I SEMESTER			
LIF C021	Research Methodology	C	5
LIF C022	Analytical Methods	C	5
LIF E021	Induction of Diseases in Experimental Animal Models	E	5
LIF E022	Efficacy Biochemical Evaluation of Drug	E	5
LIF E023	Molecular Diagnostics in the Control of Diseases	E	5
II SEMESTER			
LIF C023	Dissertation & <i>viva voce</i>	C	21

M.Phil. ZOOLOGY

Course Code	Title of the Course	C/E	Credit
SEMESTER I			
LIF C521	Research Methodology	C	5
LIF C522	Recent Advances in Zoology	C	5
LIF E521	Invertebrate Immunology	E	5

LIF E522	Environmental Monitoring & Assessment	E	5
LIF E523	Live feed in Aquaculture	E	5
LIF E524	General Entomology	E	5
LIF E525	Animal Tissue Culture	E	5
LIF E526	Molecular Cell Biology`	E	5
SEMESTER II			
LIF C523	Dissertation & <i>viva voce</i>	C	21

M.Phil. BOTANY

Course Code	Title of the Course	C/E/ S	Credits			
			L	T	P	C
SEMESTER - I						
LIF C121	Research Methodology	C	5	0	0	5
LIF C122	Applied Research Methodology	C	5	0	0	5
LIF C123	Algology	C	5	0	0	5
LIF C124	Mycology	C	5	0	0	5
LIF C125	Molecular Plant Pathology	C	5	0	0	5
SEMESTER - II						
LIF C126	Dissertation and <i>viva voce</i>	C	21	0	0	21

DEPARTMENT OF ZOOLOGY

P.G. DIPLOMA IN STEM CELL TECHNOLOGY & TISSUE ENGINEERING

Course Code	Title of the Course	Credits
I SEMESTER		
ZPG D601	Biochemistry	5
ZPG D603	Molecular Developmental Biology	5
ZPG D605	Molecular Cell Biology	5
ZPG D607	Practical I (<i>Covering ZPGD601, ZPGD603, ZPGD605</i>)	3
II SEMESTER		
ZPG D602	Molecular Biology of the Gene	5
ZPG D604	Stem Cell Technology	5
ZPG D606	Bioinformatics	5
ZPG D608	Practical – II (<i>Covering ZPGD602 & ZPGD604</i>)	3

POST GRADUATE DIPLOMA IN TAXONOMY IN FUNGI – CAS IN BOTANY

Course Code	Title of the Course	Credit
I SEMESTER		
LIF C376	Nomenclature and Classification of Fungi	4
LIF C377	Molecular Taxonomy – Molecular Approaches to Fungal Taxonomy	4
LIF C378	Taxonomy of Zygomycotina, Deuteromycotina	4
LIF C379	Taxonomy of Myxomycotina, Ascomycotina	4
LIF C380	Taxonomy of Mastigomycotina, Basidiomycotina	4
LIF C381	Culturing and cultivation of fungi	4
II SEMESTER		
LIF C382	Economic importance of fungi	2
LIF C383	Dissertation	6
LIF C384	<i>viva voce</i>	4

POST-GRADUATE DIPLOMA IN TAXONOMY OF ALGAE – CAS IN BOTANY

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
LIF C476	Nomenclature and Classification of Algae	C	4
LIF C477	Taxonomy of Algae – I	C	4
LIF C478	Taxonomy of Algae – II	C	4

II SEMESTER			
LIF C479	Taxonomy of Algae – III	C	4
LIF C480	Taxonomy of Algae – IV	C	4
LIF C481	Culturing and Cultivation of Algae	C	4
LIF E476	Economic Importance of Algae	E	3
LIF C482	Dissertation	C	6
LIF C483	<i>viva voce</i>	C	4

P.G. DIPLOMA IN IMMUNOTECHNOLOGY - DEPT OF ZOOLOGY

Course Code	Title of the Course	Credits
I SEMESTER		
ZPG D701	Essential Immunology I	6
ZPG D703	Essential Immunology II	6
ZPG D705	Lab Course in Immunology	6
II SEMESTER		
ZPG D702	Monoclonal Antibodies and Immunotechnology	6
ZPG D704	Lab Course in Immunotechnology	6
ZPG D706	Project work / Dissertation	6

P.G. DIPLOMA IN CLINICAL EMBRYOLOGY - DEPARTMENT OF ZOOLOGY

SEMESTER – I					
Course Code	Paper	L	T	P	Credits
ZPDCE-801	Developmental Biology	4	0	0	4
ZPDCE-802	Cell and Molecular Biology	4	0	0	4
ZPDCE-803	Immunology	3	0	0	3
ZPDCE-804	Research Methodology	3	0	0	3
ZPDCE-805	Lab Course I (covering papers ZPDCE-801 to ZPDCE-804)	0	0	3	3
Total Credits					17
SEMESTER – II					
ZPDCE-806	Fertility and Assisted Conception	3	0	0	3
ZPDCE-807	Assisted Reproduction Techniques – I	3	0	0	3
ZPDCE-808	Assisted Reproduction Techniques – II	3	0	0	3
ZPDCE-809	Lab Course II (covering papers ZPDCE-806 to ZPDCE-808)	0	0	4	4
ZPDCE-810	Dissertation & <i>viva voce</i>	-	-	-	6
Total credits					19

SCHOOL OF BASIC MEDICAL SCIENCES

The School of Basic Medical Sciences consists of the Departments of Anatomy, Endocrinology, Genetics, Medical Biochemistry, Microbiology, Pathology, Pharmacology and Environmental Toxicology and Physiology.

Along with establishment of Post Graduate Institute of Basic Medical Sciences (PGIBMS), the division of Medical Biochemistry was first established in March 1968. In January 1969, Endocrinology and Genetics came into being. Subsequently, all these divisions became independent departments. Later, the PGIBMS was expanded in 1976 when the Taramani campus started functioning, with the addition of the departments Microbiology, Pharmacology and Environmental Toxicology and Physiology. The third phase of expansion of PGIBMS was in 1977, when the departments of Anatomy and Pathology were added. All departments are involved in active research, training Ph.D. students and offering postgraduate degree programmes.

The department of Anatomy offers M.Sc. Anatomy and M.S. Neuroscience programmes. It is a DST –FIST supported department carrying out research in neural transplantation, cortical localization, and neuro- electrophysiology in primates and comparative neuroanatomy of primates including man. The department has a well-equipped aseptic operation theatre, tissue processing laboratory, neuroimmunology laboratory, rare collections of histological slides, audio-visual teaching aids and video and audio cassette library. It has several sophisticated equipments like cryostat, vibrotome, microscope, fluorescent microscope, stereo zoom microscope, neonatal incubator, surgical diathermy, bio-monitor, X-ray machine, electro- physiological unipolar cortical stimulator etc

The department of Endocrinology is a research department recognized by UGC for Department Research Support under UGC Special Assistance Programme (UGC-SAP-DRS-I) to facilitate research in the following thrust areas since 1999. (1) Reproductive and Molecular Endocrinology and (2) Environmental Endocrinology. The UGC-SAP-DRS-II programme is in operation since 2004. UGC has also selected this department for its Assistance for Infrastructural development in Science and Technology (ASIST) since April 2006 to create infrastructure for offering the new M.Sc. Biomedical Science programme and for research in Environmental Endocrinology. The department of Science and Technology, Govt. of India has selected the department for upgrading infrastructural and equipment facilities for Research under its FIST programme from 2000 onwards. In addition to this, the department is funded by various National Agencies such as DBT, CSIR, DST, ICMR and UGC. The department undertakes research works involving evaluation of hormones, receptors and signalling at the level of genes, in endocrines, reproductive, bone and metabolic disorders and cancer. The department has sophisticated equipment like electroporator, PCR machine, Real time PCR, ELISA reader, CO₂ incubators, speed vacuum concentrator, ion-exchange chromatography, double beam spectrophotometer, research microscope with fluorescence, phase contrast and photography, electrophoretic and blotting system, Gel doc and Chemidoc systems, inverted microscope, stereo zoom microscope, ultra deep freezers, cell culture facility and temperature and light controlled animal room facility. The department has BRIT recognized radioisotope laboratory. The department also offers M.Sc. Biomedical Sciences, M.Phil. and Ph.D. programmes in Endocrinology and two elective papers for M.Sc. CBCS students. The department scored 97% score in the IQAC rating and stands second among 67 departments of the University. The department has two endowments one in the name of Prof. P. Govindarajulu

and Ms. Saraswathiammal memorial Endowment lectures and scholarship for the best outgoing students.

The department of Genetics is supported under DST-FIST and UGC- SAP – DRS I Programmes. The faculty members pursue basic and applied research in frontier areas of Genetics that has direct/indirect bearing on health care. The areas of interest include clinical cytogenetics (mental retardation, infertility and birth defects), genetics of hearing, visual and speech disorders, molecular genetics of cancer, cardiovascular disease and neuro-developmental disorders, pharmacogenomics and personalized medicine, functional genomics, sports genetics, genetics of chronic inflammation in diabetes and cardiovascular diseases, microbial and molecular genetics of *Mycobacterium tuberculosis* and *Pseudomonas fluorescens*. The department offers postgraduate programmes leading to M.Sc. (Biomedical Genetics and Molecular Biology), and Ph.D. degrees. The department has departmental library and a centralized instrumentation facility, which includes Bioanalyzer 2000, Chemidoc system, Nanodrop, Thermo cyclers, Gel documentation system, Spectrophotometers, Refrigerated high speed centrifuges, Refrigerated table top centrifuge, Real-time PCR, MilliQ water purification system, Ice-flaker, Deep freezers, Fluorescence microscope with cytogenetics work station etc. The department also offers consultancy service on genetic counseling, clinical cytogenetics.

The department of Medical Biochemistry offers M.Sc. Medical Biochemistry. It is a UGC-SAP-DRS I and DST-FIST supported department specializing in metabolic free radical mediated diseases including Diabetes mellitus, atherosclerosis, alcoholism, kidney stone disease, cancer, ageing and biochemical toxicology. The facilities of the department include various sophisticated instruments including Scintillation counter, Double beam UV spectrophotometers, spectrofluorimeter, epifluorescence microscope, ultracentrifuge, super speed refrigerated centrifuges, ELISA readers, deep freezers, equilibrium dialyzers, electrophoresis units, thin layer and column chromatographic systems. The department offers expert consultancy in clinical biochemistry in select areas of metabolic disorders and kidney stone disease.

The department of Microbiology offers M.Sc. Medical Microbiology and M.D. Microbiology and is a UGC-SAP-DRS-I and DST-FIST department. The faculty members do research in medical microbiology (diarrhoeal diseases, new diarrhoea pathogens, respiratory pathogens, hospital acquired bacterial, fungal and viral infections; sequelae; Herpes keratitis; AIDS), Immunology (development of diagnostic kits for microbial characterization of bacterial, fungal and viral pathogens by RFLP, cloning and sequencing) and development of antibacterial, antifungal and antiviral agents from medicinal plants and marine organisms; Indigenous development of vaccines; evaluation of industrial products like vaccines, drugs, devices, kits, disinfectants etc. The facilities of the department include tissue culture systems, antigen & antibody purification and characterization, preservation of microbial culture. In vitro and in vivo laboratory models for drug and vaccine development, design and conduction of clinical trials, evaluation etc. The sophisticated equipments of the department are : ELISA systems, HPLC, UV- vis spectrophotometer, UV- Transiluminator with photography, PCR - Systems, Ultracentrifuge and refrigerated centrifuge, lyophiliser, luminometer, tissue culture laminar flow systems, environmental temperature controlled shakers, ice flaker, deep freezers, liquid nitrogen cylinders, different electrophoresis systems including blotting systems and chromatographic systems, CO2 Incubator and water purification systems.

The department of Pathology offers M.D.Pathology, Diploma in Clinical Pathology and M.Sc. Laboratory Technology programmes. The faculty carry out research in histopathology, immunology, haematology, haematopathology, immuno-histochemistry and in situ hybridisation. The facilities of the department are histopathology with frozen section facilities, histochemistry, cytochemistry, immunohistochemistry in situ hybridization for viral DNA and RNA. The department is a referral centre for immunohistochemistry and immunocytochemistry. The department is also a WHO training centre for immunohistochemistry and cytochemistry.

The Department of Pharmacology & Environmental Toxicology offers M.Sc. Toxicology, M.D.Pharmacology, M.Phil. Environmental Toxicology, M.Phil. Neuro and Nanotoxicology and Ph.D. programmes. As a research Department it has been recognized by UGC as a UGC- SAP- DRS-phase II with the thrust areas 1 & 2 as follows: Pharmacology of Indian medicinal plants and traditional medicinal preparations and Toxicology of Environmental pollutants. The department is also being funded under DST-FIST programme. The projects of the Department include funding by DBT, UGC and DST. The faculty member's carryout intensive research in: Experimental pharmacology, Phytopharmacology, Traditional medicine formulations, Immuno-pharmacology and toxicology, Neuropharmacology and toxicology, Cardiovascular pharmacology, Aquatic toxicology, Food toxicology, Environmental toxicology and Pesticide toxicology. The expertise and facilities can be used for screening of pharmacological as well as toxicological profile of drugs and medicinal plants as well as toxicological evaluation of specific environmental pollutants. The department has the sophisticated analytical equipments such as Florescence spectrophotometer, GC-MS, high pressure liquid chromatography, UV visible spectrophotometer, electrophoresis unit, soft laser screening densitometer, refrigerated centrifuge, thin layer chromatography system and tissue culture facility. In vitro and in vivo pharmacological/toxicological screening equipments include Polygraph, tissue bath set-up, physiograph and electro cardio graph. Rota-rod, actophotometer, analgesio meter, Heb's William maze are available for behavioural screening. Thermo cyclers, Co2 incubator for Tissue culture facility, Millicell, as well as Basic equipments such as pH meter, electronic balances, Microscopes, Liquid nitrogen cylinder etc are available.

A "National Centre for Neurotoxicity research to assist drug development" has been established at the Department of Pharmacology & Environmental Toxicology funded by DST-DPRP-TDT, Department of Science and Technology, New Delhi. Under this Centre, M.Phil., Neuro and nanotoxicology is being offered to train Manpower and capacity building especially in the focused area of Neuro and nanotoxicology. The State of art equipments like UV-Vis Spectrophotometer, Transmission Electron microscope of 120 KV, Electrophoresis and Western blot units, Biorad dry transfer system, Ultra pure water system, ultra microtome and auto cut microtome, wax embedding station, tissue processor, EM tissue processor, Florescence- Phase contrast-Bright field microscope, multimode reader, HPLC with UV, Fluorescence, EC and Refractive index detectors, ultracentrifuge, Microwave digestion system, liquid scintillation counter, ICP-MS, Focus Gas Chromatography, Deep freezers (-85° C and -20° C,) Ultra sonicator, ultrasonic washer, water baths, Rotary evaporator, Soxhlet apparatus, hot air oven, incubator, chiller, Electronic balances, pH meters, extraction units, Ice flake machine, Computer aided Equipments for behavior assessment etc. are available.

The department of Physiology offers M.Sc. Physiology programme. The faculty members carry out research in the areas of neuroimmunomodulation, stress physiology, liver regeneration, cassava studies and medical/laboratory instrumentation. The facilities of the department include recording of basic physiological data, behavioral studies in small animals, all common biochemical investigations, all haematological investigations, computer facility for physiological data acquisition etc. The sophisticated instruments of the department are HPLC (Waters) with ECD detector, spectrofluorometer, UV- visible spectrophotometer, flame photometer, single channel strip chart recorder (physiograph), 8-Channel physiological data recorder (Polyrite), Single Channel ECG recorder, deep freezers; laminar flow hood, ultrasonic disintegrator, etc.

Faculty

Dr. V. Bhuvaramurthy, Ph.D

Chairperson

Anatomy

Dr. V. Sankar, Ph.D

Associate Professor & Head i/c

Dr. S. Prakash, Ph.D

Associate Professor

Dr. R. Ramesh Kumar, Ph.D

Assistant Professor

Dr. Muhammed Ibrahim, Ph.D

Assistant Professor

Endocrinology

Dr. B. Ravisankar, Ph.D

Assistant Professor & Head i/c

Dr. R. Ilangoan, Ph.D

Assistant Professor

Genetics

Dr. R. Malathi, Ph.D

Professor & Head

Dr. A. K. Munirajan, Ph.D

Professor

Dr. B. Anandan, Ph.D

Assistant Professor

Dr. V. Aravindhan, Ph.D

Assistant Professor

Dr. B. Usharani, Ph.D

Assistant Professor

Medical Biochemistry

Dr. V. Bhuvaramurthy, Ph.D

Professor and Head

Dr. P. Kalaiselvi, Ph.D

Assistant Professor

Dr. T.Sumathi, Ph.D

Assistant Professor

Dr. S. Yamini Sudhalakshmi, Ph.D

Assistant Professor

Dr. R. Venkateswari, Ph.D

Assistant Professor

Dr. T.M. Vijayalakshmi, Ph.D

Assistant Professor

Microbiology

Dr. Elanchezian Manickam, Ph.D	Professor and Head
Dr. S.Srivani, Ph.D	Assistant Professor
Dr. D. Prabhu, Ph.D	Assistant Professor
Dr. B. Rayvathi, MBBS,MD	Assistant Professor
Dr. P. Suganthi, Ph.D	Assistant Professor

Pathology

Dr. R. Malathi, Ph.D	Professor and Head i/c
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Pharmacology and Environmental Toxicology

Dr. S. Karthikeyan, Ph.D	Associate Professor & Head i/c
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Physiology

Dr. R. Ravindran, Ph.D	Assistant Professor and Head i/c
Dr. G. Sathya Narayanana, Ph.D	Assistant Professor

ELECTIVES OFFERED BY THE DEPARTMENT OF ENDOCRINOLOGY

Course Code	Title of the Course	C/E	Credit
BMS E401	Molecular and Cellular Endocrinology	E	3
BMS E404	Reproductive Physiology and Endocrinology	E	3
BMS E403	Principles of Endocrinology	E	3

ELECTIVES OFFERED BY THE DEPARTMENT OF PATHOLOGY

Course Code	Title of the Course	C/E	Credit
BMS E901	Basics of Oncopathology	E	3
BMS E902	Basics of Pathology	E	3

M.Sc. MEDICAL BIOCHEMISTRY

Course Code	Title of the Course	C/E/S	Credit
I SEMESTER			
BMS C001	Chemistry of Biomolecules	C	4
BMS C002	Biophysical Chemistry and Analytical Techniques	C	4
BMS C003	Food Science and Nutrition	C	4
BMS C004	Cellular Biochemistry	C	4
	Elective	E	3
	Elective	E	3
	Soft Skill	S	2
II SEMESTER			
BMS C005	Molecular Physiology and Cell signaling	C	4
BMS C006	Macromolecular Biosynthesis	C	4
BMS C007	Clinical Chemistry and Molecular basis of diseases	C	4
BMS C008	Practical I	C	5
BMS E003	Principles of Immunology	E	3
	Elective	E	3
	Soft skill	S	2
UOM I001	Internship	I	2
III SEMESTER			
BMS C009	Enzymes and Enzyme Technology	C	4
BMS C010	Hormonal Biochemistry	C	4
BMS C011	Metabolic and Gene Regulation	C	4
BMS C012	Practical II	C	5
	Elective	E	3
	Elective	E	3
	Soft skill	S	2
IV SEMESTER			
BMS E004	Medical Biotechnology	E	3
	Soft skill	S	2
BMS C013	Project	C	10

Electives offered to other Departments

Course Code	Title of the Course	C/E/S	Credit
BMS E001	Principles of Biochemistry -I	E	3
BMS E002	Principles of Biochemistry -II	E	3

M.Sc. ANATOMY (FACULTY OF MEDICINE)

Course Code	Title of the Course	C/E	T/P	Credit
I SEMESTER				
BMS C740	Cell and Molecular Biology	C	T	4
BMS C742	Basics of Human Anatomy – I	C	T	3
BMS C743	Embryology	C	T	4
BMS C744	Research Methods in Anatomy & Neuroscience	C	T	4
	Elective	E	T	3
	Elective	E	T	3
UOMSOO1	Soft Skill	S	-	2
II SEMESTER				
BMS C741	Practical - Cell and Molecular Biology	C	P	4
BMS C745	Practical – Research Methods in Anatomy & Neuroscience	C	P	4
BMS C746	Basics of Human Anatomy - II	C	T	3
BMS C747	Histology	C	T	4
	Elective	E	T	3
	Elective	E	T	3
UOMSOO2	Soft Skill	S		2
III SEMESTER				
BMS C748	Gross Anatomy - I	C	T	4
BMS C749	Neuroanatomy - I	C	T	4
BMS C750	Practical - Gross Anatomy I	C	P	4
BMS C751	Research Project – Phase I	C	T	3
	Elective	E	T	3
	Elective	E	T	3
UOMSOO3	Soft Skill	S		2
IV SEMESTER				
BMS C752	Gross Anatomy – II	C	T	4
BMS C753	Neuroanatomy – II	C	T	4
BMS C754	Practical - Gross Anatomy II	C	P	4
BMS C755	Research Project – Phase II	C	P	3
	Elective	E	T	3
	Elective	E	T	3
UOMSOO4	Soft Skill	S		2
V SEMESTER				
BMS C756	Human Cadavar Dissection – I	C	P	5
BMS C757	Surface Anatomy and Medical Imaging	C	T	4
BMS C758	Research Project – Phase III	C	P	3
BMS C759	Field Work I – Academic training / Apprenticeship	C	P	3
	Elective	E	T	3
	Elective	E	T	3
UOMSOO5	Soft Skill	S	T	2
UOMI002	Internship	I	T	3
VI SEMESTER				
BMS C760	Human Cadavar Dissection – II	C	P	5
BMS C761	Surgical anatomy & Operative Surgery	C	T	4
BMS C762	Research Project–Phase IV	C	P	3
BMS C763	Field Work II – Academic training / apprenticeship	C	P	3
UOM S006	Soft Skill	S	T	2

M.Sc. NEUROSCIENCE (Faculty of Medicine)

Course Code	Title of the Course	C/E	Credit
I SEMESTER			
BMS C740	Cell and Molecular Biology	C	4
BMS C744	Research Methods in Anatomy & Neuroscience	C	4
BMS C742	Basics of Human Anatomy -I	C	3
BMS C749	Neuroanatomy - I	C	4
	Elective	E	3
	Elective	E	3
UOM S001	Soft Skill	S	2
II SEMESTER			
BMS C741	Practical - Cell and Molecular Biology	C	4
BMS C745	Practical - Research Methods in Anatomy & Neuroscience	C	4
BMS C746	Basics of Human Anatomy – II	C	3
BMS C753	Neuroanatomy – II	C	4
	Elective	E	3
	Elective	E	3
UOMS 002	Soft Skill	S	2
III SEMESTER			
BMS C757	Surface anatomy and Medical Imaging	C	4
BMS C764	Neurochemistry, Molecular Neuropharmacology & Neuroscience	C	4
BMS C765	Neurophysiology	C	4
BMS C751	Research Project - Phase I	C	3
	Elective	E	3
	Elective	E	3
UOM S003	Soft Skill	S	2
IV SEMESTER			
BMS C766	Neuropathology	C	4
BMS C767	Clinical Neuroscience (Neurology and Neurosurgery)	C	4
BMS C768	Neuro Microbiology, Virology, Immunology	C	4
BMS C755	Research Project - Phase II	C	3
	Elective	E	3
UOMS 004	Soft Skill	S	2
UOM1 001	Internship	I	2

LIST OF ELECTIVES OFFERED BY THE DEPARTMENT OF ANATOMY

Code	Title of the Course	Credit
BMS E742	Basics of Human Anatomy – I	3
BMS E746	Basics of Human Anatomy – II	3

M.Sc. MEDICAL MICROBIOLOGY (Faculty of Medicine)

Course Code	Title of the Course	C/E	Credit
I SEMESTER			
BMS C742	Basics of Human Anatomy I (Upper limb, lower limb, abdomen, pelvis and perineum)	C	3
BMS C418	Molecular Biology of the Cell	C	4
BMS C801	Human Physiology I	C	4
BMS C802	Practical-Human Physiology-I	C	3
BMS E001	Principles of Biochemistry - I	E	3
UOM S001	Soft skill	S	2
II SEMESTER			
BMS C746	Basics of Human Anatomy II (Head and Neck, Thorax)	C	3
BMS C803	Human Physiology-II	C	4
BMS C805	Practical-Human Physiology-II	C	3
BMS E002	Principles of Biochemistry - II	E	3
BMS E301	Marine Microbiology	E	3
UOM S002	Soft skill	S	2
III SEMESTER			
BMS C310	General Microbiology	C	4
BMS C311	Molecular Biology	C	4
BMS C312	Practical V-General Microbiology	C	3
BMS C313	Practical VI-Molecular biology	C	3
BMS C314	Practical VII-Immunology	C	3
BMS C315	Research Methods in Microbiology	C	3
BMS E302	Basic Immunology	E	3
UOM S003	Soft skill	S	2
IV SEMESTER			
BMS C316	Parasitology	C	4
BMS C317	Medical Mycology	C	4
BMS C318	Practical – IX – Parasitology and Helminthology	C	3
BMS C319	Practical-X-Medical Mycology	C	3
BMS E902	Basic pathology	E	3
BMS E101	Principles of Genetics-I	E	3
UOM S004	Soft Skill	S	2
V SEMESTER			
BMS C320	Systematic bacteriology	C	4
BMS C321	Practical-XI-Systematic Bacteriology	C	4
BMS C322	Practical-XII-Clinical Bacteriology	C	4
BMS E303	Clinical Bacteriology	E	3
MSI E130	Bio-Statistics	E	3
UOM S005	Soft skill		2
VI SEMESTER			
BMS C323	Virology - I	C	4
BMS C324	Virology – II	C	4
BMS C325	Practical-XIII- Virology	C	3

BMS C326	Practical-XIV-Applied Immunology	C	3
BMS E304	Applied Immunology	E	3
BMS E305	Molecular diagnostic Methods	E	3
BMS C327	Project with dissertation	C	6
UOM S006	Soft skill	S	2
UOM I002	Internship	I	3

M.Sc. PHYSIOLOGY (Faculty of Medicine)

Course Code	Title of the Course	C/E	Credit
I SEMESTER			
BMS C801	Human Physiology -I	C	4
BMS C742	Basics of Human Anatomy-I	C	3
BMS C802	Physiology practical-I	C	3
BMS C310	General Microbiology	C	3
BMS E001	Principles of Biochemistry I	E	3
BMS E104	Population genetics	E	3
UOM S001	Soft skill	S	2
II SEMESTER			
BMS C803	Human Physiology - II	C	4
BMS C804	Human Physiology - III	C	4
BMS C805	Physiology practical II	C	3
BMS C746	Basics of Human Anatomy-II	C	3
BMS E002	Principles of Biochemistry II	E	3
BMS E404	Reproductive physiology & Endocrinology	E	3
UOM S002	Soft skill	S	2
III SEMESTER			
	Project work assigned	C	-
BMS C806	Human Physiology IV	C	4
BMS C807	Human Physiology- V	C	4
BMS C425	Endocrine Pathology	C	4
BMS C808	Physiology Practical III (Muscle)	C	3
BMS E101	Principles of genetics - I	E	3
BMS E401	Molecular and Cellular endocrinology	E	3
UOM S003	Soft skill	S	2
IV SEMESTER			
BMS C809	Human Physiology VI	C	4
BMS C810	Human Physiology VII	C	4
BMS C811	Regulations in Physiology -Paper VIII	C	4
BMS C812	Physiology Practical IV (Heart, Intestine)	C	3
BMS E902	Basic Pathology	E	3
MSI E130	Bio Statistics	E	3
UOM S004	Soft skill	S	2
V SEMESTER			
BMSC813	Dissertation	C	6
BMS C814	Applied Physiology -Paper IX	C	4
BMS C815	Physiology Practical-V (Clinical Examination BP, ECG)	C	3
BMS E905	Reproductive Endocrine Toxicology	E	3
BMS E302	Basic Immunology	E	3
UOM I002	Internship	I	3
UOM S005	Soft skill	S	2

VI SEMESTER			
BMS C816	Human physiology X	C	4
BMS C817	Human physiology XI	C	4
BMS C818	Human physiology XII	C	4
BMS C819	Physiology Practical VI	C	4
BMS C820	Physiology Practical VII	C	4
UOM S006	Soft skill	S	2

M.Sc. BIOMEDICAL GENETICS

Course Code	Title of the Course	C/E/S	L	T	P	Credit
SEMESTER I						
BMS C101	Cellular organization and Biomacromolecules	C	3	1	0	4
BMS C102	Microbial Genetics	C	3	1	0	4
BMS C103	Eukaryotic Genetics	C	3	1	0	4
BMS C104	Practicals - I	C	0	0	4	4
	Elective 1	E	2	1	0	3
	Elective 2	E	2	1	0	3
	Soft Skill	S				2
SEMESTER II						
BMS C105	Molecular Genetics	C	3	1	0	4
BMS C106	Human Cytogenetics	C	3	1	0	4
BMS C107	Molecular basis of Genetic Disorders	C	3	1	0	4
BMS C108	Practicals - II	C	0	0	4	4
	Elective 3	E	2	1	0	3
	Elective 4	E	2	1	0	3
UOM I002	Soft Skill	S				2
UOM I001	Internship	I				2
SEMESTER III						
BMS C109	Developmental Genetics	C	3	1	0	4
BMS C110	Bioinformatics and Proteomics	C	2	1	0	3
BMS C111	Gene Therapy	C	2	1	0	3
BMS C112	Practicals – III	C	0	0	4	4
	Elective 5	E	2	1	0	3
	Elective 6	E	2	1	0	3
	Soft Skill	S				2
SEMESTER IV						
BMS C113	Principles of Gene Manipulation and Genomics	C	3	1	0	4
BMS C114	Cancer Genetics	C	3	1	0	4
BMS C115	project	C	0	0	6	6
	Elective 7	E	2	1	0	3
UOM S004	Soft Skill	S				2

ELECTIVES OFFERED BY THE DEPARTMENT OF GENETICS

BMS E101	Principles of Genetics - I	2	1	0	3
BMS E102	Principles of Genetics - II	2	1	0	3

M.Sc. TOXICOLOGY

Course Code	Title of the Course Code	C/E/S	Credits			
			L	T	P	C
I – SEMESTER						
BMS C901	General Principles of Toxicology	C	3	1	0	4
BMS C902	Systemic Pharmacology & Toxicology – Paper-I	C	3	1	0	4
BMS C903	Instrumentation in Toxicological Analysis	C	3	1	0	4
BMS C904	Aquatic Toxicology	C	3	1	0	4
BMS E930	Hepatotoxicology	E	3	0	0	3
BMS E931	Environmental Toxicology	E	3	0	0	3
	Soft Skill	S				2
II – SEMESTER						
BMS C905	System Pharmacology and Toxicology – Paper - II	C	3	1	0	4
BMS C906	Pesticide and Analytical Toxicology	C	3	1	0	4
BMS C907	Practical – I	C	0	0	4	4
BMS C908	Practical – II	C	0	0	4	4
BMS E932	Immuno toxicology	E	3	0	0	4
	Electives *	E				3
	Soft skill	S				2
	Internship	I				2
III – SEMESTER						
BMS C909	Industrial Toxicology	C	3	1	0	4
BMS C910	Systemic Pharmacology and Toxicology– Paper – III	C	3	1	0	4
BMS C911	Food Toxicology	C	0	0	4	4
BMS C912	Neuro Toxicology	C	3	1	0	4
	Electives *	E	3	0	0	3
	Electives*	E	3	0	0	3
	Soft skill	S				2
IV – SEMESTER						
BMS C913	Systemic Pharmacology and Toxicology–Paper–IV	C	3	1	0	4
BMS C914	Practical – III	C	0	0	4	4
BMS C915	Practical-IV	C	3	1	0	4
	Elective*	E	3	0	0	3
	Soft skill	S				2

M.Phil. ENDOCRINOLOGY

Course Code	Title of the Course	C/E	Credits
I SEMESTER			
BMS C121	Hormones : Chemistry and Actions	C	5
BMS C123	Endocrine Physiology and Pathophysiology	C	5
BMS C125	Research Methodology	C	5
II SEMESTER			
BMS C122	Dissertation and viva-voce		
	Dissertation – 10, Evaluation by guide – 6 & Viva-Voce-5	C	21

M. Phil ENVIRONMENTAL TOXICOLOGY

Course Code	Title of the Course	C/E	Credit
I SEMESTER			
BMS C501	Principles of Environmental Toxicology	C	5
BMS C502	Research Methodology in Environmental Toxicology	C	5
BMS E510	Hepato toxicology	E	5
BMS E511	Pesticide and Analytical Toxicology	E	5
BMS E503	Immuno Toxicology	E	5
II SEMESTER			
BMS C503	Dissertation and Viva-voce	C	21

SCHOOL OF NANOSCIENCE AND PHOTONICS

The school consists of National Centre for Ultrafast Process (NCUFP] and National Centre for Nanoscience and Nanotechnology.

National Centre for Ultrafast Process was established in 1997 initially as a DST-IRHPA-National facility-the first of its kinds for the use of researchers in academic institutions for time resolved emission and absorption studies in the pico and femto-second time scale. With the input of funds for separate building from the Tamil Nadu Government, the centre emerged as an advanced centre for research and the Senate of University of Madras approved the centre as a part of University of Madras and made it as an Advanced Centre for Research in November - 2000. The centre has now emerged as a premier centre for photonics and ultrafast spectroscopy. The centre has mobilized research grants to the tune Rs.700 lakhs through several funded projects including the DST-IRPHA 1st Phase, 2nd Phase, UGC Innovative Programme and research projects from other funding agencies like DST-SERC, DRDO,CSIR.

NCUFP houses hi-tech laser facilities in the time resolution of nanosecond, picosecond and femto second to cater to the needs of Chemists, Physicists and Biologists. The research activities of the centre include electron transfer, proton transfer, solvation dynamics, nanomaterials, Supramolecular inorganic and polymeric systems, liquid crystals. The centre has a collaborative DRDO research project with Regional Research Laboratory, Trivandrum. The Centre has more than 150 users from different parts of the country. The in-house scientists and the users of the centre have produced more than 150 publications in the high impact factor journals like, J.Am. Chem. Soc, J,Phys. Chem, Org. Lett, J.Org. Chem,-Chem. Phys. Chem, Chem. Phys. Letts, etc. during the last decade. In-house scientists are the recipients of Bhatnagar Award, Fellow of Indian Academy and National Academy, UGC career Award, TANSa award and CRSI Silver and Bronze medals.

The Centre conducts interdisciplinary M.Sc programme on “Photonics & Biophotonics” under Choice Based Credit System initiated by UGC under the Innovative programme. Photonics is a multi-disciplinary subject that combines advanced electronics and Optical technologies. Photonic technology, forms basis for the development of future technologies in telecommunications, health care, aerospace etc. Bio-photonics is the interface of photonics and biological sciences, offering tremendous prospects for optical diagnostics, light activated therapy, surgery, biosensing and restoration of biological functions. The course duration is two years (Four Semester) with a project in the final semester.

National Centre for Nanoscience and Nanotechnology

Dr. E. Sumathi	Assistant Professor
Dr. A. Murugadoss	Assistant Professor
Dr. M. Ravi	Assistant Professor
Dr. K.R. Jayappriyan	Assistant Professor
Dr.NR. Sasirekha	Assistant Professor
Dr. P. Rajashree	Assistant Professor

M.Sc. PHOTONICS AND BIOPHOTONICS

Course Code	Title of the Course	Type	Credit
I SEMESTER			
UFC C049	Photonics	C	4
UFC C050	Chemical Biology	C	4
UFC C051	Quantum Chemistry	C	4
UFC C052	Practical-I Optics and Computational Methods	C	4
	Elective	E	3
	Elective	E	3
	Soft Skills	S	2
II SEMESTER			
UFC C053	Group Theory and Spectroscopy	C	4
UFC C054	Photophysics and Photochemistry	C	4
UFC C055	Semiconductors & Devices	C	4
UFC C057	Practical - II Spectroscopy	C	3
	Elective	E	3
	Elective	E	3
	Soft Skills	S	2
III SEMESTER			
UFC C058	Optoelectronics and Fibre Optics	C	4
UFC C059	Lasers Theory & Principles	C	4
UFC C060	Nanophotonics & Photonic Materials	C	4
UFC C061	Practical - III Lasers and Optoelectronics	C	4
UOM I001	Internship	I	
	Elective	E	
UFC E001	Fluorescence Spectroscopy for biologists (Offered to other Department)	E	3
UOM S003	Soft Skills	S	
IV SEMESTER			
UFC C062	Laser Material Processing	C	4
UFC C063	Biophotonics	C	4
UFC C064	Project and viva-voce	C	5
UFC E003	Crystal growth and Experimental techniques	E	3
	Soft Skills	S	2

M.Sc. NANOSCIENCE AND NANOTECHNOLOGY

Course Code	Title of the Course	C/E	Credits			
			L	T	P	C
I SEMESTER						
NSN C001	Introductory Physics	C	3	0	0	3
NSN C002	Introductory Chemistry	C	3	0	0	3
NSN C003	Introductory Biology	C	3	0	0	3
NSN C004	Introduction to Nanoscience and Nanotechnology	C	3	0	0	3
NSN C005	Nanoscience - Practical-I	C	0	0	4	4
NSN E001	Introduction to Material Science	E	3	0	0	3
	Soft Skill	S	2	0	0	2
II SEMESTER						
NSN C006	Preparation of Nanomaterials	C	4	0	0	4
NSN C007	Properties of Nanomaterials	C	4	0	0	4
NSN C008	Characterization of Techniques of Nanomaterials-I	C	4	0	0	4
NSN C009	Nanoscience Practical-II (Biology)	C	0	0	4	4
NSN E002	Introduction to Nanobiotechnology	E	3	0	0	3
	Soft Skill	S	2	0	0	2
III SEMESTER						
NSN C010	Nanoelectronics and Nanosensors	C	4	0	0	4
NSN C011	Characterization of Nanomaterials-II	C	4	0	0	4
NSN C012	Nanomaterials of Energy System-II	C	4	0	0	4
NSN C013	Nanoscience Practical – III	C	0	0	4	4
NSN E004	Applications of Nanomaterials	E	3	0	0	3
NSN E005	Biomaterials & Nanobiotechnology for Tissue Engineering	E	3	0	0	3
	Soft Skill	S	2	0	0	2
UOM I001	Internship	I	2	0	0	2
IV SEMESTER						
NSN C014	Advanced Nanobiotechnology	C	4	0	0	4
NSN C015	Biomedical Nanotechnology	C	4	0	0	5
NSN C016	Project	C	0	0	5	5
NSN E006	Computational Nanoscience	E	3	0	0	3
NSN E007	Industrial Nanotechnology	E	3	0	0	3
	Soft Skill	S	2	0	0	2

M.Tech. Nanoscience and Nanotechnology

Course Code	Course Title	Core/ Elective	Credits			
			L	T	P	C
I SEMESTER						
NST C001	Mathematics and Quantum Foundations for Nanotechnology	C	3	0	0	3
NST C002	Properties of Bulk and Nanomaterials	C	3	0	0	3
NST C003	Introduction to Biology and Nanobiotechnology	C	3	0	0	3
NST C004	Preparation of Nanomaterials	C	3	0	0	3
NST C005	Nanoscience - Practical-I	C	0	0	4	4
	Any one of the following elective can be taken	E	3	0	0	3
NST E001	Elective - Carbon Nanostructures (optional)					
NST E002	Elective – Nanocomposites (optional)					

NST E003	Elective - Nanoscience and Nanotechnology for chemical Sciences(for M.Sc students from other schools)	E	3	0	0	3
	Soft Skills-2 papers		4	0	0	4
II SEMESTER						
NST C006	Nanomaterials Characterization	C	4	0	0	4
NST C007	Fabrications Of Nanostructures and Devices	C	4	0	0	4
NST C008	Nanomedicine	C	4	0	0	4
NST C009	Biomedical Nanotechnology and Tissue Engineering	C	4	0	0	4
NST C010	Nanoscience - Practical-II	C	0	0	4	4
	Any one of the following elective can be taken	E	3	0	0	3
NST E004	Elective - Nanocatalysis and its Applications (optional)					
NST E005	Elective - Computational Nanoscience(optional)					
NST E006	Elective - Nanoscience and Nanotechnology for Physical Sciences(for M.Sc students from other schools)	E	3	0	0	3
	Soft Skill-2 papers		4	0	0	4
III SEMESTER						
NST C011	Industrial Applications of Nanotechnology	C	4	0	0	4
NST C012	Nanoelectronics, Sensors and Spintronics	C	4	0	0	4
NST C013	Nanoscopy	C	4	0	0	4
NST C014	Nanoscience - Practical-III	C	0	0	4	4
NST E008	Elective: Advanced Biomolecular Techniques	E	3	0	0	3
NST E009	Elective - Nanoscience and Nanotechnology for Life Sciences (for M.Sc students from other schools)	E	3	0	0	3
NST E010	Nanotoxicology	E	3	0	0	3
UOM - 1001	Summer Training/Mini-project (Report & Seminar)		2	0	0	2
IV SEMESTER						
NST C015	Project + Viva Voice	C	0	0	10	10

ELECTIVE OFFERED FOR OTHER DEPARTMENTS

NST E007	Fabrications of Nanostructures and Devices	E	3	0	0	3
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DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS
Growth of Madras University Union

During the year 1932, the Syndicate of the Madras University resolved to start the Madras University Union at the House then known as 'Rutland House' in the Spur Tank Road, Chetpet, with provision for playing Tennis and Ball Badminton only. At present, The Madras University Sports Union is one of the best sports centres in Chennai, providing training facility not only to the Madras University Students, but to a larger section of public and private sectors and sports Associations for their sports programmes

Aims and Objectives

The aim of Madras University Union is to promote activities in the field of Sports and Games with excellent infrastructure facilities and also to provide a systematic and scientific training for the students of affiliated colleges. More than 17,000 (Seventeen Thousands) students get competitive experience from the zonal and Inter-zonal competition organized by the Madras University every year.

Nature of Programme

- Madras University affiliated colleges divided into two Zones. (Both Men & Women).
- Total number of Games and Sports 36.
- Nearly 17,000 students get competitive experience every year.
- Conduct of Summer Residential Coaching Camp and Award Function every year during the month of May and June.
- Coaching for school children, college boys and girls, both Morning and Evening sessions at University Union Ground.
- Conduct All India Inter-University Sports/Games Competitions.
- Conduct Award Function for the Madras University Sportspersons, Managers and Coaches who have brought laurels to our University by securing medals during the All India Inter-University Competitions.

Faculty : Dr. V. Mahadevan - Director

Courses Offered

- M.Sc., Yoga (Regular)
- M.Phil in Physical Education and Yoga
- Ph.D. Programme (Part-Time)

M.Sc. YOGA

Course Code	Title of the Course	C/E/S	Credits			
			L	T	P	C
I SEMESTER						
PES C001	History and Development of Yoga	C	2	1	1	4
PES C002	Anatomy and Physiology	C	3	1	0	4
PES C003	Fitness and Wellness	C	3	1	0	4
PES C004	Practical-I Principles of Yoga and Methods of Yogic	C	1	0	3	4
PES E001	Applied Sports Physiology	E	2	1	0	3
PES E002	Applied Sports Psychology	E	2	1	0	3
	Soft Skill	S	2	0	0	2
II SEMESTER						
PES C005	Yoga and Mental Health	C	3	1	0	4
PES C006	Yoga, Physiology and Psychology	C	3	1	0	4
PES C007	Yoga and Alternative medicine	C	3	1	0	4
PES C008	Practical-II- Principles of Yoga and Methods of Yogic	C	1	0	3	4
PES E003	Yoga and Sports performance	E	2	1	0	3
PES E004	Patanjali yoga	E	2	1	0	3
	Soft Skill	S	2	0	0	2
III SEMESTER						
PES C010	Research and Statistics in Yoga	C	2	1	1	4
PES C011	Health and Fitness	C	3	1	0	4
PES C012	Yoga Therapy for Positive Health	C	3	1	0	4

PES C013	Practical – III : Principles of Yoga and Methods of Yogic	C	1	0	3	4
PES E005	Yoga therapy	E	2	1	0	3
PES E006	Yoga and Meditation	E	2	1	0	3
	Soft Skill	S	2	0	0	2
IV SEMESTER						
PES C014	Yoga for Intellectual Awareness	C	0	1	3	4
PES C015	Project	C	0	1	5	8
UOM I001	Internship	I	0	0	2	2
PES E007	Applications of Test and Measurement	E	2	1	0	3
	Soft Skill	S	2	0	0	2
Core - 60: Electives – 21: Soft skills – 08: Internship – 2 = 91 credits						

M.PHIL. IN PHYSICAL EDUCATION AND YOGA

Course Code	Title of the Course	C/E/S	Credits
I SEMESTER			
PES C 101	Research Methodology and Statistics in Physical Education and Yoga	C	5
PES C 102	Methods of Hatha Yoga Sadhana	C	5
PES C 103	Scientific Methods of Sports Training	C	5
	Elective – (Any one paper listed below)	E	5
II SEMESTER			
PES C 104	Dissertation	C	12

ELECTIVE PAPERS

Candidates who holds PG Degree in Physical Education

PES E 101	Yogic Therapy and Diet	E	6
PES E 102	Yoga and Health Science	E	6
PES E 103	Yoga and Self Realization	E	6
Candidates who holds PG Degree in Yoga			
PES E 104	Yogic Physiology and Psychology	E	6
PES E 105	Physical Education and Yoga	E	6
PES E 106	Exercise Physiology	E	6

POST GRADUATE DIPLOMA IN YOGIC EDUCATION

Course Code	Title of the Course	C/E/S	Credits
I SEMESTER			
PES C101	Human Anatomy, Physiology and Psychology		6
PES C102	Methods of yoga Teaching Techniques		6
PES C103	Yogic Physiology and Psychology		6
PES C104	Yoga Economy and Management		6
II SEMESTER			
	Elective Paper* (Any ONE Paper listed below)		6
PES C105	Projects		6
	Total		36
PES E101	Yoga Therapy and Diet		6
PES E102	Yoga and Health Science		6
PES E103	Yoga and Physical Education		6

UNIVERSITY CALENDAR
JULY 2017

DATE	DAY	DETAILS
1.	SAT	HOLIDAY
2.	SUN	HOLIDAY
3.	MON	Commencement of Classes for II Year P.G Programmes(Odd Semester.
4.	TUE	
5.	WED	
6.	THU	
7.	FRI	
8.	SAT	HOLIDAY
9.	SUN	HOLIDAY
10.	MON	Commencement of Supplementary Examinations
11.	TUE	
12.	WED	
13.	THU	
14.	FRI	
15.	SAT	HOLIDAY
16.	SUN	HOLIDAY
17.	MON	
18.	TUE	
19.	WED	
20.	THU	
21.	FRI	
22.	SAT	HOLIDAY
23.	SUN	HOLIDAY
24.	MON	
25.	TUE	
26.	WED	
27.	THU	
28.	FRI	
29.	SAT	HOLIDAY
30.	SUN	HOLIDAY
31.	MON	Last date for payment of tuition fee etc. for II & III Year students/II Semester Examinations fee for M.Phil Programmes.

AUGUST 2017

DATE	DAY	DETAILS
1.	TUE	
2.	WED	
3.	THU	
4.	FRI	
5.	SAT	HOLIDAY
6.	SUN	HOLIDAY
7.	MON	Commencement of Classes for I Year P.G Programmes.
8.	TUE	
9.	WED	
10.	THU	
11.	FRI	
12.	SAT	HOLIDAY
13.	SUN	HOLIDAY
14.	MON	KRISHNA JAYANTHI- HOLIDAY
15.	TUE	INDEPENDENCE DAY - HOLIDAY
16.	WED	
17.	THU	
18.	FRI	
19.	SAT	HOLIDAY
20.	SUN	HOLIDAY
21.	MON	
22.	TUE	
23.	WED	
24.	THU	
25.	FRI	VINAYAGAR CHATHURTHI – HOLIDAY
26.	SAT	HOLIDAY
27.	SUN	HOLIDAY
28.	MON	
29.	TUE	
30.	WED	
31.	THU	Last date for submission of dissertation for M.Phil. Programmes (Without penalty)

SEPTEMBER 2017

DATE	DAY	DETAILS
1.	FRI	
2.	SAT	BAKRID - HOLIDAY
3.	SUN	HOLIDAY
4.	MON	
5.	TUE	
6.	WED	
7.	THU	
8.	FRI	
9.	SAT	HOLIDAY
10.	SUN	HOLIDAY
11.	MON	
12.	TUE	
13.	WED	
14.	THU	Commencement of Sessional Test – I for all P.G. Programmes
15.	FRI	
16.	SAT	HOLIDAY
17.	SUN	HOLIDAY
18.	MON	
19.	TUE	
20.	WED	
21.	THU	
22.	FRI	
23.	SAT	HOLIDAY
24.	SUN	HOLIDAY
25.	MON	
26.	TUE	
27.	WED	
28.	THU	Last date for submission of Dissertation for M.Phil. Programmes with Penalty of Rs.600/-
29.	FRI	AYUTHA POOJA- HOLIDAY
30.	SAT	VIJAYA DASAMI- HOLIDAY

OCTOBER 2017

DATE	DAY	DETAILS
1.	SUN	MOHARRAM- HOLIDAY
2.	MON	GANDHI -JAYANTI - HOLIDAY
3.	TUE	
4.	WED	
5.	THU	
6.	FRI	Last date for payment of Examination Fee for odd Semesters - all PG Programmes
7.	SAT	HOLIDAY
8.	SUN	HOLIDAY
9.	MON	
10.	TUE	
11.	WED	
12.	THU	
13.	FRI	
14.	SAT	HOLIDAY
15.	SUN	HOLIDAY
16.	MON	
17.	TUE	
18.	WED	DEEPAVALI - HOLIDAY
19.	THU	
20.	FRI	
21.	SAT	HOLIDAY
22.	SUN	HOLIDAY
23.	MON	
24.	TUE	Commencement of Sessional Test – II for all P.G. Programmes
25.	WED	
26.	THU	
27.	FRI	
28.	SAT	HOLIDAY
29.	SUN	HOLIDAY
30.	MON	Last date of payment of odd Semester Examination Fee with Penalty
31.	TUE	Last date for submission of Dissertation for M.Phil Programmes with penalty of Rs.1,200/-

NOVEMBER 2017

DATE	DAY	DETAILS
1.	WED	
2.	THU	
3.	FRI	
4.	SAT	HOLIDAY
5.	SUN	HOLIDAY
6.	MON	
7.	TUE	
8.	WED	
9.	THU	
10.	FRI	
11.	SAT	HOLIDAY
12.	SUN	HOLIDAY
13.	MON	
14.	TUE	Commencement of End Semester Examinations for odd Semester – all PG Programmes
15.	WED	
16.	THU	
17.	FRI	
18.	SAT	HOLIDAY
19.	SUN	HOLIDAY
20.	MON	
21.	TUE	Commencement of Sessional Test – 1 for I Semester of M.Phil. Programmes
22.	WED	
23.	THU	
24.	FRI	
25.	SAT	HOLIDAY
26.	SUN	HOLIDAY
27.	MON	
28.	TUE	
29.	WED	
30.	THU	

DECEMBER 2017

DATE	DAY	DETAILS
1.	FRI	MILAD-UN-NABI - HOLIDAY
2.	SAT	HOLIDAY
3.	SUN	HOLIDAY
4.	MON	Commencement of Even Semester Classes
5.	TUE	
6.	WED	
7.	THU	
8.	FRI	
9.	SAT	HOLIDAY
10.	SUN	HOLIDAY
11.	MON	
12.	TUE	
13.	WED	
14.	THU	Departmental Committee meeting for finalizing the results of odd Semesters – all P.G. Programmes
15.	FRI	School Committee meeting for finalizing the results of odd Semesters – all P.G. Programmes
16.	SAT	HOLIDAY
17.	SUN	HOLIDAY
18.	MON	
19.	TUE	
20.	WED	Publication of Results in the Department Notice Board
21.	THU	
22.	FRI	
23.	SAT	HOLIDAY
24.	SUN	HOLIDAY
25.	MON	CHRISTMAS - HOLIDAY
26.	TUE	
27.	WED	
28.	THU	
29.	FRI	
30.	SAT	HOLIDAY
31.	SUN	HOLIDAY

JANUARY 2018

DATE	DAY	DETAILS
1.	MON	NEW YEAR - HOLIDAY
2.	TUE	Commencement of Sessional Test – II for 1 st Semester of M.Phil. Programmes
3.	WED	
4.	THU	
5.	FRI	
6.	SAT	HOLIDAY
7.	SUN	HOLIDAY
8.	MON	
9.	TUE	
10.	WED	
11.	THU	
12.	FRI	
13.	SAT	
14.	SUN	PONGAL - HOLIDAY
15.	MON	THIRUVALLUVAR DAY - HOLIDAY
16.	TUE	UZHAVAR THIRUNAL - HOLIDAY
17.	WED	
18.	THU	
19.	FRI	
20.	SAT	HOLIDAY
21.	SUN	HOLIDAY
22.	MON	
23.	TUE	
24.	WED	
25.	THU	
26.	FRI	REPUBLIC DAY - HOLIDAY
27.	SAT	HOLIDAY
28.	SUN	HOLIDAY
29.	MON	
30.	TUE	
31.	WED	

FEBRUARY 2018

DATE	DAY	DETAILS
1.	THU	
2.	FRI	
3.	SAT	HOLIDAY
4.	SUN	HOLIDAY
5.	MON	Commencement of End Semester Examination for 1 st Semester for M.Phil. Programmes
6.	TUE	
7.	WED	
8.	THU	
9.	FRI	
10.	SAT	HOLIDAY
11.	SUN	HOLIDAY
12.	MON	Commencement of Sessional Test – I for even Semester – all PG Programmes
13.	TUE	
14.	WED	
15.	THU	
16.	FRI	
17.	SAT	HOLIDAY
18.	SUN	HOLIDAY
19.	MON	Departmental Committee meeting for finalization of results of 1 st Semester for M.Phil. Programmes
20.	TUE	School Committee meeting for finalization of results of 1 st Semester for M.Phil. Programmes
21.	WED	
22.	THU	
23.	FRI	Publication of Results in Notice Board for M.Phil Programme
24.	SAT	HOLIDAY
25.	SUN	HOLIDAY
26.	MON	
27.	TUE	
28.	WED	

MARCH 2018

DATE	DAY	DETAILS
1.	THU	
2.	FRI	
3.	SAT	HOLIDAY
4.	SUN	HOLIDAY
5.	MON	
6.	TUE	
7.	WED	
8.	THU	
9.	FRI	
10.	SAT	HOLIDAY
11.	SUN	HOLIDAY
12.	MON	
13.	TUE	
14.	WED	
15.	THU	
16.	FRI	
17.	SAT	HOLIDAY
18.	SUN	TELUGU NEW YEAR/UGADI- HOLIDAY
19.	MON	Commencement of Sessional Test – II for even semester – all PG Programmes
20.	TUE	
21.	WED	
22.	THU	
23.	FRI	
24.	SAT	HOLIDAY
25.	SUN	HOLIDAY
26.	MON	
27.	TUE	
28.	WED	
29.	THU	MAHAVEER JAYANTHI - HOLIDAY
30.	FRI	GOOD FRIDAY- HOLIDAY
31.	SAT	HOLIDAY

APRIL 2018

DATE	DAY	DETAILS
1.	SUN	HOLIDAY
2.	MON	
3.	TUE	
4.	WED	
5.	THU	
6.	FRI	Commencement of End Semester Examinations for Even Semesters, for all P.G., Programmes
7.	SAT	HOLIDAY
8.	SUN	HOLIDAY
9.	MON	
10.	TUE	
11.	WED	
12.	THU	
13.	FRI	
14.	SAT	TAMIL NEW YEAR DAY/ Dr.B.R. AMBEDKAR BIRTHDAY - HOLIDAY
15.	SUN	HOLIDAY
16.	MON	
17.	TUE	
18.	WED	
19.	THU	
20.	FRI	
21.	SAT	HOLIDAY
22.	SUN	HOLIDAY
23.	MON	
24.	TUE	
25.	WED	
26.	THU	
27.	FRI	
28.	SAT	HOLIDAY
29.	SUN	HOLIDAY
30.	MON	

MAY 2018

DATE	DAY	DETAILS
1.	TUE	MAY DAY - HOLIDAY
2.	WED	Departmental Committee Meeting for finalizing the results of Even Semester Examinations for all PG Programmes
3.	THU	School Committee Meeting for finalizing the results of Even Semester Examinations for all PG Programmes
4.	FRI	Publication of Results in the Department Notice Board for PG Programme
5.	SAT	HOLIDAY
6.	SUN	HOLIDAY
7.	MON	
8.	TUE	
9.	WED	
10.	THU	
11.	FRI	
12.	SAT	HOLIDAY
13.	SUN	HOLIDAY
14.	MON	
15.	TUE	
16.	WED	
17.	THU	
18.	FRI	
19.	SAT	HOLIDAY
20.	SUN	HOLIDAY
21.	MON	
22.	TUE	
23.	WED	
24.	THU	
25.	FRI	
26.	SAT	HOLIDAY
27.	SUN	HOLIDAY
28.	MON	
29.	TUE	
30.	WED	
31.	THU	

JUNE 2018

DATE	DAY	DETAILS
1.	FRI	
2.	SAT	HOLIDAY
3.	SUN	HOLIDAY
4.	MON	
5.	TUE	
6.	WED	
7.	THU	
8.	FRI	
9.	SAT	HOLIDAY
10.	SUN	HOLIDAY
11.	MON	
12.	TUE	
13.	WED	
14.	THU	
15.	FRI	
16.	SAT	HOLIDAY
17.	SUN	HOLIDAY
18.	MON	
19.	TUE	
20.	WED	
21.	THU	
22.	FRI	
23.	SAT	HOLIDAY
24.	SUN	HOLIDAY
25.	MON	
26.	TUE	
27.	WED	
28.	THU	
29.	FRI	
30.	SAT	