UNIVERSITY OF MYSORE

CHOICE BASED CREDIT SYSTEM
HANDBOOK OF COURSES
2012-2013 BATCH

Message from the Vice-chancellor

The University Grants Commission (UGC) has stressed on speedy and substantive academic and administrative reforms in higher education for promotion of quality and excellence. The Action Plan proposed by UGC outlines the need to consider and adopt Semester System, Choice Based Credit System (CBCS), and Flexibility in Curriculum Development and Examination Reforms in terms of adopting Continuous Evaluation Pattern by reducing the weightage on the semester-end examination so that students enjoy a de-stressed learning environment. Further, UGC expects that institutions of higher learning draw a roadmap in time bound manner to accomplish the above.

The University of Mysore inspired by its recognition as an Institution of Excellence by the Government of India (2008) and identified by Government of Karnataka to be developed as innovative university (2009), the university plans to bring about radical changes in the curriculum, teaching and evaluation. The vision of the university is to groom the finest breed of citizens equipped with knowledge and talent to serve the society. The university aspires to march forward to achieve benchmarking of our academic practices against world class standards.

Prof. V.G.Talawar

1. UNIVERSITY OF MYSORE

The University of Mysore is among the foremost institutions of its kind, and is an enduring symbol in the sphere of higher education in India. It was founded by the then Maharaja of Mysore, His Highness Sri Krishnaraja Wodeyar IV and his Dewan, the renowned engineer -statesman, Sir M.Visvesvaraya, on July 27, 1916. The Maharaja of Mysore became its first Chancellor. A Bill to establish and incorporate the University was introduced in Mysore Legislative Council in 1916. It was passed unanimously on 17th July 1916. The first meeting of the University Council was held on 12th August 1916 and the first meeting of the Senate on 12th October 1916.

His Highness Sri Krishnaraja Wodeyar IV, the then Maharaja of Mysore	Bharatha Rathna Sir M.Visvesvaraya, the then Dewan, renowned Engineer and Statesman who carved out the University	Dr. K. V. Puttappa, popularly known as ''Kuvempu'', was also the Poet-Laureate who christened the University Campus as 'Manasagangotri'.

The University of Mysore became the first University outside the domain of the English administration in India, the sixth University in India as a whole, and the first ever University in Karnataka. During the institution of the University in 1916, four faculties were constituted viz., Arts, Science, Engineering and Technology, and Medicine. Seperate Boards of Studies and Boards of Examiners were constituted in 28 subjects. The University was also administering 12 other educational institutions.

The first Act of the University came in the year 1933 (University of Mysore Act 1933). The first report of the curriculum followed by different departments is available in the University's Calendar 1947-48. The University offered a two-year intermediate Course, three year B.A.(Hons), B.Sc.,(Hons) Degree Courses and M.A., M.Sc., Courses. There were also the faculties of Medicine and Engineering. The University also offered Diplomas in vocational subjects. The University Extension Lectures and Publication Bureau were notable features of the University.

The main campus of the University, created in 1960, lies in a picturesque area of 739 acres at the western end of the Kukkarahalli Lake. The University headquarters, the Crawford Hall, is located right across the lake on the eastern end. This inspiring locale of the campus was aptly named Manasagangotri (Fountainhead of the Ganges of the Mind) by the poet-laureate, Dr. K.V.Puttappa (Kuvempu). In due course, two satellite campuses were set up in response to the demands of post graduate education from semi-urban/rural areas: Sir M.Visvesvaraya Post Graduate Centre at Tubinakere in Mandya, and the Mysore University Post graduate Centre at Hemagangotri in Hassan.

In the beginning, the entire Princely State of Mysore comprising of nine districts came under the jurisdiction of the University. Now it is confined to Mysore, Mandya, Hassan, and Chamarajanagar districts. The remaining areas come under the Bangalore University (1964), Mangalore University (1980), and Kuvempu University (1987). The institution, incidentally, gave birth to one more University in 1996 when the Institute for Correspondence Courses and Continuing Education in the Manasagangotri campus, got transformed into the Karnataka State Open University.

The University now encompasses 122 affiliated colleges and 5 Constituent Colleges (with an aggregate of 53,000 students). In addition, the University has 37 post graduate departments, 8 specialised research & training centres and 2 post graduate centres that together offer about 55 regular academic programmes to 3,500 students. It also runs a number of employment-oriented diploma courses and certificate programmes. The post graduate departments are reputed for excellence in advanced studies and research, and have attracted projects and grants worth crores of rupees from many national and international institutions.

The University has developed excellent infrastructure for curricular and co-curricular activities. The Mysore University Library offers a collection of over 8 lakh books, 2,400 journal titles and 1 lakh volumes of journals. The main campus features an amphitheatre, an auditorium, a swimming pool, and hostels for women and men with modern amenities and comforts.

The University has established a rapport with many well-known and prestigious universities and institutions abroad for academic, technical and cultural exchange.

Having served the cause of higher education and research with distinction and dedication for almost the whole of the 20th century, the University of Mysore now envisages the 21st century as an era of even greater growth and success during which it will produce well-qualified and well-motivated youth to serve humanity as teachers, administrators, doctors, engineers, scientists, lawyers, social workers and in various other fields. As it gets closer to its centenary celebrations, the University looks forward to newer ways of fulfilling the vision of its Founding Fathers.

2. DEPARTMENTS

The University of Mysore offers a number of postgraduate courses through the following departments situated in the Manasagangotri Campus and also the Hassan and Mandya campuses.

Department / programme	Mysore Campus	Manya Campus	Hassan Campus	Chamarajanagar Campus
Ancient History and Archaeology	✓			
Anthropology	✓			
Applied Botany and Biotechnology	✓			
Bahadur Institute of Management Studies-MBA	✓			
Biochemistry	✓			
Bioscience			✓	
Botany	✓			
Business Administration(MBA)				✓
Chemistry	✓			
Christianity	✓			
Commerce	✓		✓	✓
Computer Science	✓			
Computer Application	✓			
Economics		✓		
Economics and Cooperation	✓			
Education	✓			
Electronics			✓	
English	✓	✓		
Environmental Science	✓			
Food Science and Nutrition	✓			
Geography	✓			
Geology	✓			
Hindi	✓			
History	✓			
Institute of Development Studies	✓			
Jainology and Prakrit	✓			
Journalism and Mass Communication	✓			
Kuvempu Institute of Kannada Studies	✓			
Kannada		✓	✓	
Law	✓			
Library and Information Science	✓			
Mathematics	✓			
Microbiology	✓			
Philosophy	✓			
Physics	✓			
Political Science	✓			
Polymer Science		✓		
Psychology	✓			
Physical Education	✓			
Sanskrit	✓			
Sericulture Science	✓			
Social Work	✓			✓
Sociology	✓			
Statistics	✓			
Sugar Technology		✓		
Urdu	✓			
Zoology	✓			
Centre for Women's Studies	✓			
Educational Multimedia Research Centre	✓			
Dr.A.R.Ambedkhar Centre For PG Studies and Research	✓			
International Centre for Information Management	✓			
Centre for Study of Social Exclusion and inclusive Policies.	✓			
Centre for Information Science and Technology	✓			
University School of Design	✓			

University College of Physical Education	✓			
University College of Fine Arts	✓			
Maharaja's College	✓			

3. **REGULATIONS GOVERNING CBCS**

AMMENDED

REGULATIONS FOR CHOICE BASED CREDIT SYSTEM (CBCS) AND CONTINUOUS ASSESSMENT GRADING PATTERN (CAGP) FOR POST-GRADUATE DEGREE PROGRAMMES 2010

Preamble

The University Grants Commission (UGC) has stressed on speedy and substantive academic and administrative reforms in higher education for promotion of quality and excellence. The Action Plan proposed by UGC outlines the need to consider and adopt Semester System, Choice Based Credit System (CBCS), and Flexibility in Curriculum Development and Examination Reforms in terms of adopting Continuous Evaluation Pattern by reducing the weightage on the semester-end examination so that students enjoy a de-stressed learning environment. Further, UGC expects that institutions of higher learning draw a roadmap in time bound manner to accomplish the above.

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UNIVERSITY OF MYSORE

Post Graduate CBCS and CAGP Regulations – 2010

1. Title and Commencement

These Regulations shall be called the University of Mysore regulations for Choice Based Credit System (CBCS) and Continuous Assessment Grading Pattern (CAGP) for Post-Graduate Degree Programs. These Regulations shall come into force from the academic year 2010- 2011.

2. Programs offered

(1) **M.A.** : Ancient History & Archaeology, Anthropology, Christianity, Communication & Journalism, Cooperative Management, Economics, English, Folklore, Hindi, History, Jainology & Prakrit, Kannada, Linguistics, Middle Eastern Studies, Philosophy, Political Science, Sanskrit, Sociology, South Indian Studies, Urdu, Women's Studies, M.Dance, Comparative Literature and Translation, Development Studies, Public Administration.

(2) **M.Sc.**: Anthropology, Applied Geology, Biochemistry, Bioscience, Bio-technology, Botany, Chemistry, Environmental Science, Food Science & Nutrition, Geography, Geology, Human Development, Mathematics, Microbiology, Physics, Psychology, Sericulture and Seri Biotechnology, Statistics, Zoology, Polymer Science, Sugar Technology, Geographical Information System (GIS), Earth Science & Resource Management, Genetics, Electronic Media, Organic Chemistry, Criminology and Forensic Science.

(3) L.L.M., M. Com., M.Ed., M.L.I.Sc. (Master of Library & Information Science), M. Music, M.S.W., M.U.R.P.(M.Tech. in Urban and Regional Planning), **M.F.A.M.** (Master of Financial Analysis and Management), M.B.I.Tech. (Master of Business Information Technology), M.Tech.: Information Systems and Management.

(4) M.P.Ed.

3. Definitions

Course Every course offered will have three components associated with the teaching-learning process of the course, namely
(i) Lecture – L   (ii) Tutorial- T   (iii) Practicals - P, where

L stands Lecture session. **T** stands Tutorial session consisting participatory discussion / self study/ desk work/ brief seminar presentations by students and such other novel methods that make a student to absorb and assimilate more effectively the contents delivered in the Lecture classes.

P stands Practice session and it consists of Hands on experience / Laboratory Experiments / Field Studies / Case studies that equip students to acquire the much required skill component.

In terms of credits, every one hour session of L amounts to 1 credit per semester and a minimum of two hour session of T or P amounts to 1 credit per semester, over a period of one semester of 16 weeks for teaching-learning process. The total duration of a semester is 20 weeks inclusive of semester-end examination.

A course shall have either or all the three components. That means a course may have only lecture component, or only practical component or combination of any two or all the three components.

The total credits earned by a student at the end of the semester upon successfully completing the course is L + T + P. The credit pattern of the course is indicated as L: T : P.

If a course is of 4 credits then the different credit distribution patterns in L : T : P format could be

4 : 0 : 0,   1 : 2 : 1,   1 : 1 : 2,   1 : 0 : 3,   1 : 3 : 0,
2 : 1 : 1,   2 : 2 : 0,   2 : 0 : 2,   3 : 1 : 0,   3 : 0 : 1,
0 : 2 : 2,   0 : 4 : 0,   0 : 0 : 4,   0 : 1 : 3,   0 : 3 : 1,

The concerned BoS will choose the convenient credit pattern for every course based on the requirement. However, generally, a course shall be of 3 or 4 credits.

Different courses of study are labeled and defined as follows:

Core Course

A course which should compulsorily be studied by a candidate as a core-requirement is termed as a Core course.

A Core course may be a **Soft Core** if there is a choice or an option for the candidate to choose a course from a pool of courses from the main discipline / subject of study or from a sister/related discipline / subject which supports the main discipline / subject. In contrast to the phrase Soft Core, a compulsory core course is called a **Hard Core** Course**.**

Elective Course

Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline / subject of study or which provides an extended scope or which enables an exposure to some other discipline / subject/domain or nurtures the candidate's proficiency/ skill is called an Elective Course. Elective courses may be offered by the main discipline / subject of study or by sister / related discipline / subject of study. A Soft Core course may also be considered as an elective.

An elective course chosen generally from an unrelated discipline / subject, with an intention to seek exposure is called an **open elective**.

An elective course designed to acquire a special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher is called a **Self Study Elective**.

A core course offered in a discipline / subject may be treated as an elective by other discipline / subject and vice versa.

Project work/Dissertation work is a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A project work up to 4 credits is called Minor Project work. A project work of 6 to 8 credits is called Major Project Work. Dissertation work can be of 10-12 credits. A Project/Dissertation work may be a hard core or a soft core as decided by the BoS concerned.

4. Eligibility for admission.

4.1 Candidates possessing a degree of University of Mysore, or of any other University, equivalent thereto and complying with the eligibility criteria shown in Annexure – I, are eligible for admission to Post-graduate degree programs mentioned in regulation No.1 above.

5.0 Scheme of Instructions

5.1 A Masters Degree program is of 4 semesters-two years duration. A candidate can avail a maximum of 8 semesters – 4 years (in one stretch) to complete Masters degree (including blank semesters, if any). Whenever a candidate opts for blank semesters, he /she have to study the prevailing courses offered by the department when he / she continues his / her studies.

5.2 A candidate has to earn a minimum of 76 credits, for successful completion of a Master's degree with a distribution of credits for different courses as given in the following table.

Course Type	Credits
Hard Core	A minimum of 42, but not exceeding 52
Soft Core	A minimum of 16
Open Elective	A minimum of 08

Every course including project work, practical work, field work, seminar, self study elective should be entitled as hard core or soft core or open elective by the BoS concerned

5.3 A candidate can enroll for a maximum of 24 credits per semester.

5.4 Only such candidates who register for a minimum of 18 credits per semester and complete successfully 76 credits in 4 successive semesters shall be considered for declaration of ranks, medals and are eligible to apply for student fellowship, scholarship, free ships and hostel facilities.

5.5 In excess to the minimum of 76 credits for masters degree in the concerned discipline / subject of study, a candidate can opt to complete a minimum of 18

extra credits to acquire **add on proficiency diploma** in that particular discipline / subject along with the masters' degree. In such of the cases wherein, a candidate opts to earn at least 4 extra credits in different discipline / subjects in addition to a minimum of 76 credits at masters level as said above then an **add on proficiency certification** will be issued to the candidate by listing the courses studied and grades earned.

5.6 A candidate admitted to Masters program can exercise an option to exit with Bachelor Honors degree / PG diploma after earning 40 credits successfully.

6.0 Continuous Assessment, Earning of Credits and Award of Grades

The evaluation of the candidate shall be based on continuous assessment. The structure for evaluation is as follows:

6.1 Assessment and evaluation processes happen in a continuous mode. However, for reporting purposes, a semester is divided into 3 discrete components identified as C_1, C_2, and C_3.

6.2 The performance of a candidate in a course will be assessed for a maximum of 100 marks as explained below.

6.2.1 The first component (C_1), of assessment is for 25 marks. This will be based on test, assignment, seminar. During the first half of the semester, the first 50% of the syllabus will be completed. This shall be consolidated during the 8th week of the semester. Beyond 8th week, making changes in C_1 is not permitted.

6.2.2 The second component (C_2), of assessment is for 25 marks. This will be based on test, assignment, seminar. The continuous assessment and scores of second half of the semester will be consolidated during the 16th week of the semester. During the second half of the semester the remaining units in the course will be completed.

6.2.2.1 The outline for continuous assessment activities for Component-I (C_1) and Component-II (C_2) will be proposed by the teacher(s) concerned before the commencement of the semester and will be discussed and decided in the respective Departmental Council. The students should be informed about the modalities well in advance. The evaluated courses/assignments during component I (C_1) and component II (C_2) of assessment are immediately returned to the candidates after otaining acknowledgement in the register maintained by the concern teacher for this purpose.

6.2.3 During the 18th -20th week of the semester, a semester-end examination of 2 hours duration shall be conducted for each course. This forms the third/final component of assessment (C_3) and the maximum marks for the final component will be 50.

Setting questions papers and evaluation of answer scripts.

I. Questions papers in three sets shall be set by the internal examiner for a course. Whenever there are no sufficient internal examiners, the chairman of BoE shall get the questions papers set by external examiners.

II. The Board of Examiners shall scrutinize and approve the question papers and scheme of valuation.

III. (i) There shall be single valuation for all theory papers by external examiners.

(ii) The examination for Practical work/ Field work/Project work will be conducted jointly by internal and external examiners. However the BoE on its discretion can also permit two internal examiners from the University.

(iii) If a course is fully of (L=0):T(P=0) type, then the examination for C_3 Component will be as decided by the BoS concerned.

IV. Challenge valuation

A student who desires to apply for challenge valuation shall obtain a Xerox copy of the answer script by paying the prescribed fee within 10 days after the announcement of the results. He / She can challenge the grade awarded to him/her by surrendering the grade card and by submitting an application along with the prescribed fee to the Registrar (Evaluation) within 15 days after the announcement of the results. This challenge valuation is only for C_3 component.

The answer scripts for which challenge valuation is sought for shall be sent to another external examiner. The marks awarded in the challenge valuation shall be the final.

6.2.4   In case of a course with only practical component a practical examination will be conducted with both internal and external examiners. A candidate will be assessed on the basis of a) knowledge of relevant processes b) Skills and operations involved c) Results / products including calculation and reporting. If external examiner does not turn up then both the examiners will be internal examiners. The duration for semester-end practical examination shall be decided by the departmental council.

6.2.5   If **X** is the marks scored by the candidate out of 50 in C_3 in theory examination, if **Y** is the marks scored by the candidate out of 50 in C_3 in Practical examination, and if **Z** is the marks scored by the candidate out of 50 in C_3 for a course of (L=0):T:(P=0)type that is entirely tutorial based course, then the final marks M in C_3 is decided as per the following table.

L.T.P distribution	Find mark M in C_3
L:T:P	$\dfrac{[(L+T)*X]+[(T+P)*Y]}{L+2T+P}$
L:(T=0):P	$\dfrac{(L*X)+(P*Y)}{L+P}$
L:T:(P=0)	X
L:(T=0):(P=0)	X
(L=0):T :P	Y
(L=0): (T=0):P	Y
(L=0): T:(P=0)	Z

6.2.6   The details of continuous assessment are summarized in the following Table.

Component	Syllabus in a course	Weightage	Period of Continuous assessment
C_1	First 50% (2 units of total units)	25%	First half of the semester. To be consolidated by 8th week
C_2	Remaining 50% (Remaining units of the course)	25%	Second half of the semester. To be consolidated by 16th week
C_3	Semester-end examination (All units of the course)	50%	To be completed during 18th-20th Week.
Final grades to be announced latest by 24th week			

6.2.7   A candidate's performance from all 3 components will be in terms of scores, and the sum of all three scores will be for a maximum of 100 marks (25 + 25 + 50).

6.2.8   **Finally, awarding the grades should be completed latest by 24th week of the semester**.

6.3   **Minor/ Major Project Evaluation**

Right from the initial stage of defining the problem, the candidate has to submit the progress reports periodically and also present his/her progress in the form of seminars in addition to the regular discussion with the guide. Components of evaluation are as follows.

Component – I(C_1): Periodic Progress and Progress Reports (25%)

Component – II(C_2): Results of Work and Draft Report (25%)

Component– III(C_3): Final Viva-voce and evaluation (50%). The report
               evaluation is for 30% and the Viva-voce examination is for
               20%

6.4   In case a candidate secures less than 30% in $C_1$and C_2 put together in a course, the

candidate is said to have DROPPED that course, and such a candidate is not

allowed to appear for C_3 in that course.

In case a candidate's class attendance in a course is less than 75% or as stipulated

by the University, the candidate is said to have DROPPED that course, and such a

candidate is not allowed to appear for C_3 in that course.

Teachers offering the courses will place the above details in the Department Council meeting during the last week of the semester, before the commencement of C_3, and subsequently a notification pertaining to the above will be brought out by the Chairman of the Department before the commencement of C_3 examination. A copy of this notification shall also be sent to the office of the Registrar & Registrar (Evaluation).

6.5   In case a candidate secures less than 30% in C_3, he/she may choose DROP/MAKE-UP option.

   In case a candidate secures more than or equal to 30% in C_3, but his/her grade $(G) = 4$, as per section 6.9 below, then he/she may be declared to have been conditionally successful in this course, provided that such a benefit of conditional clearance based on $G=4$ shall not be availed for a maximum of 8 credits for the entire programme of Master's Degree of two years.

   In case a candidate secures more than 30 % in C_3 but $G=4$, then he/she may choose DROP/MAKE-UP option.

   The candidate has to exercise his/her option immediately within 10 days from the date of notification of results. A MAKE-UP examination will be conducted within 25 days from the date of notification of results. If the candidate still remains unsuccessful after MAKE-UP examination he/she is said to have DROPPED that course.

6.6   A candidate has to re-register for the DROPPED course when the course is offered again by the department if it is a hard core course. The candidate may choose the same or an alternate core/elective in case the dropped course is soft core / elective course. A candidate who is said to have DROPPED project work has to re-register for the same subsequently with in the stipulated period. **The details of any dropped course will not appear in the grade card.**

6.7   The tentative / provisional grade card will be issued by the Registrar (Evaluation) at the end of every semester indicating the courses completed successfully. This statement will not contain the list of DROPPED courses.

6.8   Upon successful completion of Bachelors Honors / Masters degree a final grade card consisting of grades of all courses successfully completed by the candidate will be issued by the Registrar (Evaluation).

6.9   The grade and the grade point earned by the candidate in the subject will be as given below.

P	G	GP = V x G
90-100	10	V X 10
80-89	9	V X 9
70-79	8	V X 8
60-69	7	V X 7
50-59	6	V X 6
40-49	5	V X 5
30-39	4	V X 4
0->30	0	V X 0

   Here, P is the percentage of marks $(P=[(C_1+C_2)+M]$ secured by a candidate in a course which is rounded to nearest integer. V is the credit value of course. G is the grade and GP is the grade point.

6.10   A candidate can withdraw any course within in ten days from the date of notification of final results. Whenever a candidate withdraws a paper, he/she has to register for the same course in case it is hard core course,   the same course or an alternate course if it is soft core/open elective.
A DROPPED course is automatically considered as a course withdrawn.

6.11   Overall cumulative grade point average (CGPA) of a candidate after successful completion the required number of credits (76) is given by

CGPA =   GP / Total number of credits

7.   Classification of results

The final grade point (FGP) to be awarded to the student is based on CGPA secured by the candidate and is given as follows.

CGPA	FGP	
	Numerical Index	Qualitative Index
4 <= CGPA < 5	5	SECOND CLASS
5 <= CGPA < 6	6	
6 <= CGPA < 7	7	FIRST CLASS
7 <= CGPA < 8	8	
8 <= CGPA < 9	9	DISTINCTION
9 <= CGPA < =10	10	

Overall percentage=10*CGPA or is said to be 50% in case CGPA<5

8. Medium of Instruction

The medium of instruction shall be English. However, a candidate will be permitted to write the examinations either in English or in Kannada. This rule is not applicable to languages.

9 Provision for appeal

If a candidate, is not satisfied with the evaluation of C1 and C2 components, he / she can approach the grievance cell with the written submission together with all facts, the assignments, test papers etc, which were evaluated. He/she can do so before the commencement of semester-end examination. The grievance cell is empowered to revise the marks if the case is genuine and is also empowered to levy penalty as prescribed by the university on the candidate if his/her submission is found to be baseless and unduly motivated. This cell may recommend taking disciplinary/corrective action on an evaluator if he/she is found guilty. The decision taken by the grievance cell is final.

For every program there will be one grievance cell. The composition of the grievance cell is as follows.

1. The Registrar (Evaluation) ex-officio Chairman / Convener
2. One senior faculty member (other than those concerned with the evaluation of the course concerned) drawn from the department/discipline and/or from the sister departments/sister disciplines.
3. One senior faculty members / subject experts drawn from outside the University department.

ANNEXURE

DETAILS OF COURSES OFFERED BY POST GRADUATE DEPARTMENTS UNDER CBCS

Name of the Department: D.O.S. IN ANCIENT HISTORY AND ARCHAEOLOGY

Program: M.A.-CBCS

Semester: ODD (I and III Semester)

Semester	Code	Course	Hard Core/Soft core	LTP	Credit Value	Remarks
I	87401	A01	Political and Cultural History of North India upto 1000 A.D. (HC)	3:1:0	4	-
I	87402	A02	Introduction to Archaeology (HC)	3:1:0	4	-
I	87403	A03	Indian Epigraphy (HC)	3:1:0	4	-
I	87404	A04	World Civilizations (SC)	3:1:0	4	-
I	87405	A05	Political Institutions of India (SC)	3:1:0	4	-
I	87407	A07	Mauryan Inscriptions (SC)	3:1:0	4	-
I	87408	A08	Select Inscriptions (SC)	3:1:0	4	-
I	87409	A09	Coins of Karnataka (SC)	3:1:0	4	-
III	80241	C01	History of South India Upto 1336 A.D. (With reference to Polity) (HC)	3:1:0	4	-
III	80242	C02	North Indian Art(HC)	3:1:0	4	-
III	80243	C03	Indian Numismatics(HC)	3:1:0	4	-
III	80244	C04	Tourism in India(SC)	3:1:0	4	-
III	80245	C05	Historical Archaeology of India(SC)	3:1:0	4	-
III	80246	C06	The Rashtrakutas(SC)	3:1:0	4	-
III	80247	C07	Chalukyas of Kalyana(SC)	3:1:0	4	-
III	80248	C08	The Sevunas(SC)	3:1:0	4	-
III	80249	C09	The Vijayanagara (SC)	3:1:0	4	-

Semester: EVEN (II and IV Semester)

Semester	Code	Course	Hard Core/Soft core	LTP	Credit Value	Remarks
II	80222	B01	Historical Method (HC)	3:1:0	4	-
II		B02	Archaeology-Methods(HC)	3:1:0	4	-
II	80224	B04	Social Institutions of India (HC)	3:1:0	4	-
II	80223	B03	South East Asia (SC)	3:1:0	4	-
II	80225	B05	Indian Palaeography (SC)	3:1:0	4	-

II	80226	B06	Indian Painting (SC)	3:1:0	4	-
II	80227	B07	Punch Marked Coins (SC)	3:1:0	4	-
IV	80261	D01	Indian Pre history (HC)	3:1:0	4	-
IV	80262	D02	South Indian Art (HC)	3:1:0	4	-
IV		D03	PROJECT WORK (HC)	0:1:3	4	-
IV	80263	D04	Museology (SC)	3:1:0	4	-
	80264	D05	Vijayanagara Art and Architecture(SC)	3:1:0	4	-
IV	80265	D06	Conservation and Preservation(SC)	3:1:0	4	-
IV		D07	Mathura School of Art(SC)	3:1:0	4	-
IV		D08	Gupta School of Art(SC)	3:1:0	4	-
IV		D09	Badami Chalukya Art and Architecture(SC)	3:1:0	4	-
IV		D010	Pallava Art and Architecture(SC)	3:1:0	4	-
IV		D011	Chola Art and Architecture(SC)	3:1:0	4	-

Open Electives:

Semester	Code	Course	Hard Core/Soft core	LTP	Credit Value	Remarks
Odd III	80246	AHA	Chalukyas of Badami	3:1:0	4	-
Odd III		AHA	The Hoysalas	3:1:0	4	-
Even II	80229	HOK	History of Karnataka (From 975 to 1336 A.D.)	3:1:0	4	-
Even II	80230	EIA	Early Indian Art and Architecture	3:1:0	4	-
Even IV		AHA	Harappan Civilization	3:1:0	4	-
Even IV		HAA	Hoysala Art and Architecture	3:1:0	4	-

Name of the Department: Department of Studies in Computer Science

Program: B.Sc Honors/M.Sc/M.Sc Tech in Computer Science

Table of minimum credit requirements for the award of various degrees

Degree	Hard Core	Soft core	Elective	Open elective	Term work / Dissertation
B.Sc Honors	10	6	16	4	4
M.Sc	9	9	8	2	8
M.Sc Tech	10	6	8	2	10

The Department of Studies in Computer Science offers the following courses for B.Sc Honors/ M.Sc/ M.Sc Tech programs.

Course code & Title	Credit Pattern (L: T: P)	Credits

Hard Core Subjects

MSCH1	Algorithmics	2: 0: 1	3
MSCH2	Data Structures	2: 1: 1	4
MSCH3	Discrete Mathematics	2: 1: 0	3
MSCH4	Operating System	2: 1: 1	4
MSCH5	Principles of programming & problem solving	2: 0: 1	3
MSCH6	Research Methodology & Documentation	2: 1: 1	4
MSCH7	Software Quality Assurance	1: 1: 1	3
MSCH8	Theory of Languages	2: 1: 0	3

Soft Core Subjects

MSCS1	Compiler Construction	2: 0: 1	3
MSCS2	Computer Architecture	2: 1: 0	3
MSCS3	Computer Networks	2: 1: 0	3
MSCS4	Content Management	1: 1: 1	3
MSCS5	Data Analysis	2: 0: 1	3
MSCS6	DBMS	2: 0: 1	3
MSCS7	Dot Net Technology	0: 1: 2	3
MSCS8	Fuzzy Theory	2: 1: 0	3
MSCS9	Image Processing	2: 0: 1	3
MSCS10	Information Retrieval	2: 0: 1	3
MSCS11	Multidimensional Data Analysis	1: 1: 1	3
MSCS12	Multimedia Database	1: 1: 1	3
MSCS13	Neural Networks	2: 0: 1	3
MSCS14	Pattern Recognition	2: 0: 1	3
MSCS15	Probability and Distribution Theory	2: 1: 0	3
MSCS16	Software Engineering	2: 1: 0	3
MSCS17	Symbolic Data Analysis	2: 0: 1	3
MSCS18	System Software	2: 0: 1	3

Elective Subjects

MSCE1	Animation	0: 1: 1	2
MSCE2	Artificial Intelligence	2: 1: 0	3
MSCE3	CAD	0: 1: 1	2
MSCE4	Communication skills & Professional		
	Management	2: 1: 0	3
MSCE5	Cryptography	2: 1: 0	3
MSCE6	Data Analysis	2: 0: 1	3
MSCE7	Data Communication	2: 1: 0	3
MSCE8	Data Compression	1: 0: 1	2
MSCE9	Data Mining	1: 1: 0	2
MSCE10	Distribution Theory	2: 1: 0	3
MSCE11	Embedded Systems	1: 1: 1	3
MSCE12	Experimental study on AI	0: 0: 1	1
MSCE13	Experimental study on Multimedia		
	Communication	0: 0: 1	1
MSCE14	Graph Theory	2: 0: 1	3
MSCE15	Hardware and Networking	0: 1: 1	2
MSCE16	Java Programming	2: 0: 2	4
MSCE17	MATLAB Programming	0: 1: 1	2
MSCE18	Medical Imaging	2: 0: 1	3
MSCE19	Microprocessor	2: 0: 1	3
MSCE20	Mobile Communication	2: 0: 1	3
MSCE21	Multimedia Communication	2: 1: 0	3
MSCE22	Network Security	1: 0: 1	2
MSCE23	Numerical Algorithms	2: 0: 1	3
MSCE24	Operations Research and Optimization	2: 1: 0	3
MSCE25	Practicing Software Design	1: 1: 1	3
MSCE26	Practicing Software Design	0: 0: 1	1
MSCE27	Process Automation	1: 1: 1	3
MSCE28	Simulation and Modeling	1: 1: 1	3
MSCE29	Software Engineering Case Tools	0: 1: 1	2
MSCE30	Software Quality Testing	0: 1: 1	2
MSCE31	Symantec Web	1: 1: 1	3
MSCE32	System Analysis and Design	3: 0: 0	3
MSCE33	Theory of Complexity	2: 1: 0	3

Note: The subjects in soft core list can also be considered as elective subjects.

Open Elective Subjects

CSOE1	Fundamental of Information Technology	1:0:1	2
CSOE2	Internet Browsing and e-facilities	1:0:1	2
CSOE3	E-governance	1:0:1	2
CSOE4	Problem Solving using C concepts	1:0:1	2

Note : The credit base, choice base continous assessment scheme is existing in this Department since 2001.

Name of the Department : **Department of Studies in Earth Science**

Program: **M.Sc., APPLIED GEOLOGY**

Semester:

I Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
A01	80301	Advanced Minerology	Hard Core	202	4	
A02	80302	Economic Geology	Hard Core	301	4	
A03	80303	Application of RS & GIS	Hard Core	202	4	
A07	80307	Nano Geoscience	Soft Core	200	2	
A12	80318	Marine Geoscience	Soft Core	110	2	
A13	80319	Geostatistics & Computer Applications	Soft Core	101	2	
A14	80320	Environmental Geology	Soft Core	110	2	
		Gemmology	Soft Core	110	2	
	80317	Stratigraphy, Paleontology & Economic Geology MK1	Soft Core	200	2	
III Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
C01	80341	Stratigraphy of India	Hard Core	310	4	
C02	80342	Applied Hydrogeology	Hard Core	301	4	
C03	80343	Geotectonics	Hard Core	211	4	
C04	80345	Mining Methods & Mineral Economics	Soft Core	200	2	
C06	80350	Analytical Techniques	Soft Core	110	2	
	80351	Materials Science & Nanotechnology	Soft Core	200	2	
C05	80349	Precambrian Geology & Crustal Evolution	Soft Core	110	2	
	80309	Applied Geophysics	Soft Core	110	2	

Semester**: EVEN SEMESTER (II & IV)**

II Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
B01	80380	Advanced Petrology	Hard Core	301	4	
B02	80381	Advanced Paleontology	Hard Core	211	4	
B03	80382	Geomorphology & Sedimentary Petrology	Hard Core	211	4	
	FWK	Minor Project (FW & Technical Report)	Hard Core		2	
		Mineral Processing	Soft Core	200	2	
	80385	Surveying	Soft Core	101	2	
	80344	Micropaleontology and palynology	Soft Core	110	2	
	80387	Engineering Geology	Soft Core	200	2	
	80388	Minerology, Petrology, Sructural Geology & Geodynamics-MK2	Soft Core	200	2	

IV Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
D01	80361	Thermodynamics and Isotope Geology	Hard Core	400	4	
D02		Geo - Exploration	Hard Core	301	4	
D03	DISS	Major Project (Dissertation)	Hard Core		6	
		Experimental Mineralogy	Soft Core	110	2	
	80365	Sequence Stratigraphy & Petroleum Geology	Soft Core	200	2	
		Quaternary Geology	Soft Core	200	2	
		Water resources and management	Soft Core	200	2	
		GIS applications	Soft Core	110	2	

OPEN ELECTIVE:

Note: MK1 and MK2 soft core papers in I and II semester are for those who haven't studied Geology at Undergraduate course.

Open Electives:		**APPLIED GEOLOGY**			
Semester	Code	Course	LTP	Credit Value	Remarks
ODD	80353	Applied Nanotechnology	200	2	
	80351	Geohazards & mitigation methods	110	2	
		Gems & Decorative stones	110	2	
EVEN		Physical Geology	200	2	
	80390	Basics of Nanotechnology	200	2	
		Historical Geology	200	2	
	80391	Minerals & Rocks	110	2	

Name of the Department : **Department of Studies in Earth Science**

Program: **M.Sc., GEOLOGY**

Semester: **Odd Semester (I & III)**

I Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
A01	82301	Structural Geology	Hard Core	211	4	
A02	82302	Sedimentology & Geomorphology	Hard Core	211	4	
A03	82303	Paleontology	Hard Core	211	4	
A07	80307	Nano Geoscience	Soft Core	200	2	
A12	80318	Marine Geoscience	Soft Core	110	2	
A13	80319	Geostatistics & Computer Applications	Soft Core	101	2	
A14	80320	Environmental Geology	Soft Core	110	2	
		Gemmology	Soft Core	110	2	
III Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
C01	82331	Igneous & Metamorphic Petrology	Hard Core	301	4	
C02	82332	Geochemistry & Thermodynamics	Hard Core	400	4	
C03	82333	Exploration Geology	Hard Core	301	4	
C04	80345	Mining Methods & Mineral Economics	Soft Core	200	2	
C06	80350	Analytical Techniques	Soft Core	110	2	
	80351	Materials Science & Nanotechnology	Soft Core	200	2	
C05	80349	Precambrian Geology & Crustal Evolution	Soft Core	110	2	
	80309	Applied Geophysics	Soft Core	110	2	

Open Electives: **Geology**

Semester	Code	Course	LTP	Credit Value	Remarks
ODD	80353	Applied Nanotechnology	200	2	
	80351	Geohazards & mitigation methods	110	2	
		Gems & Decorative stones	110	2	
EVEN		Physical Geology	200	2	
	80390	Basics of Nanotechnology	200	2	
		Historical Geology	200	2	
	80391	Minerals & Rocks	110	2	

Semester: **Even Semester (II & IV)**

II Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
B01	82324	Crystallography and Minerology	Hard Core	202	4	
B02	82325	Ore Geology	Hard Core	301	4	
B03	82326	Geology of India	Hard Core	310	4	
	FWK	Minor Project (FW & Technical Report)	Hard Core		2	
		Mineral Processing	Soft Core	200	2	
	80385	Surveying	Soft Core	101	2	
	80344	Micropaleontology and palynology	Soft Core	110	2	
	80387	Engineering Geology	Soft Core	200	2	
IV Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
D01	82343	Hydrogeology	Hard Core	301	4	
D02	82342	Remote sensing and GIS	Hard Core	202	4	
D03	DISS	Major Project (Dissertation)	Hard Core		6	
		Experimental Mineralogy	Soft Core	110	2	
	80365	Sequence Stratigraphy & Petroleum Geology	Soft Core	200	2	
		Quaternary Geology	Soft Core	200	2	
		Water resources and management	Soft Core	200	2	
		GIS applications	Soft Core	110	2	

Open Electives:		**Geology**			
Semester	Code	Course	LTP	Credit Value	Remarks
ODD	80353	Applied Nanotechnology	200	2	
	80351	Geohazards & mitigation methods	110	2	
		Gems & Decorative stones	110	2	
EVEN		Physical Geology	200	2	
	80390	Basics of Nanotechnology	200	2	
		Historical Geology	200	2	
	80391	Minerals & Rocks	110	2	

Open Electives:		**Geology**			
Semester	Code	Course	LTP	Credit Value	Remarks
ODD	80353	Applied Nanotechnology	200	2	
	80351	Geohazards & mitigation methods	110	2	
		Gems & Decorative stones	110	2	
EVEN		Physical Geology	200	2	
	80390	Basics of Nanotechnology	200	2	
		Historical Geology	200	2	
	80391	Minerals & Rocks	110	2	

OPEN ELECTIVE:

Name of the Department : **Sanskrit**
Course : M.A.
Semester ODD (1 and III Semester)

Semester	Code	Hard Core/ Soft Core		LTP	Credit Value	Remarks
Ist Semester	87101	Sanskrit Poetry	HC	3+1+0	4	
	87102	Sanskrit Drama	HC	3+1+0	4	
	87104	Sanskrit Grammar	HC	3+1+0	4	
	87111	Veda	SC	3+1+0	4	
	87112	Upanisad & Gita	SC	3+1+0	4	
IIIrd Semester	87141	History of Sanskrit Literature	HC	3+1+0	4	
	87142	Sanskrit Grammar	HC	3+1+0	4	
	87143	Dharshana-I	HC	3+1+0	4	
	87144	Alankara Shastra- II	SC	3+1+0	4	
		Alankara Shastra- II	SC	3+1+0	4	

Semester: EVEN (II and IV)

Semester	Code	Hard Core/ Soft Core		LTP	Credit Value	Remarks
II Semester	87121	Manuscript logy	HC	3+1+0	4	
	87122	Alankara Shastra -I	HC	3+1+0	4	
	87123	Nyaya Darshana	HC	3+1+0	4	
	87124	Sanskrit Prose	SC	3+1+0	4	
		Sanskrit Poetry	SC	3+1+0	4	
IV Semester	87161	Smriti Literature	HC	3+1+0	4	
	87162	Artha Shastra	HC	3+1+0	4	
	87163	Project Work	HC	3+1+0	4	
	87164	Sanskrit Etymology	SC	3+1+0	4	
	87165	Darshana-II	SC	3+1+0	4	

Open Electives

Semester			LTP	Credit Value	Remarks
I Semester				4	No Open Elective in Ist Sem

IIIrd Semester	87145	Stotra Kavyas	3+1+0	4	
	87146	Selection from Sanskrit Literature	3+1+0	4	
	87147	Samskruta Mahavakavyam	3+1+0	4	
II Semester	87125	Nitikathasahitya	3+1+0	4	
	87126	Arogyasubhashitani	3+1+0	4	
	87127	Grammar and Translation	3+1+0	4	
IV Semester	87166	Commerce and Trade in Sanskrit	3+1+0	4	
	87167	Samskruta Vangmaya Manjusha	3+1+0	4	
	87168	Prachina Bharateeya Bhautika Vijnana Vangmayaha	3+1+0	4	

Name of Department : HISTORY
Course : M.A.

1ST SEM

Stream Code	Sub Code	QP Code	Subject Name		L	T	P	CREDITS
MAHIS	A01	82501	Ancient Indian Civilization Harappa Civilization to the Varadhanas Dynasty	HC	3	1	0	4
MAHIS	A02	82502	Ancient World Civilization (Greek, Roman, Egypt, Mesopotamian)	HC	3	1	0	4
MAHIS	A14	82514	Problems of Ancient Indian History	HC	3	1	0	4
MAHIS	A03	82503	Society and Polity of Ancient North India	SC	3	1	0	4
MAHIS	A04	82504	Economic History of Ancient North India up to 700 A.D.	SC	3	1	0	4
MAHIS	A05	82505	Art and Architecture of Ancient India	SC	3	1	0	4
MAHIS	A06	82506	History of Science and Technology in Ancient India	SC	3	1	0	4
MAHIS	A07	82507	Intellectual History of Ancient India	SC	3	1	0	4
MAHIS	A08	82508	Chalukyas of Badami, Pallavas of Kanchi, and Rashtrakutas	SC	3	1	0	4
MAHIS	A09	82509	History of Sangam age, Cholas, Cheras and Pandyas	SC	3	1	0	4
MAHIS	A10	82510	History of Satavahanas, Kadambas of Banavasi and Gangas of Talkad	SC	3	1	0	4
MAHIS	A11	82511	Economic History of South India	SC	3	1	0	4
MAHIS	A12	82512	Development of Society and Polity of Ancient South India.	SC	3	1	0	4
MAHIS	A13	82513	Sources of Ancient India History	SC	3	1	0	4
MAHIS	A15	82515	Readings in Ancient Indian History	SC	3	1	0	4
MAHIS	A16	82516	Maritime History of Ancient India	SC	3	1	0	4

M.A. (HISTORY)

3rd SEM

Stream Code	Sub Code	QP Code	Subject Name		L	T	P	CREDITS
MAHIS	Co1	82551	Historical Method	HC	3	1	0	4
MAHIS	Co2	82552	Problems of Modern Indian History	HC	3	1	0	4

MAHIS	Co3	82553	Indian National Movement	HC	3	1	0	4
MAHIS	Co4	82554	Dalit Movement in Modern India	SC	3	1	0	4
MAHIS	Co5	82555	Constitutional History of Modern India	SC	3	1	0	4
MAHIS	Co6	82556	Thinkers of Modern India	SC	3	1	0	4
MAHIS	Co7	82557	Intellectual History of Modern India	SC	3	1	0	4
MAHIS	Co8	82558	Intellectual History of Modern Europe	SC	3	1	0	4
MAHIS	C09	82559	History of Modern Europe (1871-1985)	SC	3	1	0	4
MAHIS	C10	82560	History of United States of America (1765-1962)	SC	3	1	0	4
MAHIS	C11	82561	History of Russia (1971-1992)	SC	3	1	0	4
MAHIS	C12	82562	History of East Asia (1900-1976)	SC	3	1	0	4
MAHIS	C13	82563	History of South East Asia (1900- 1980)	SC	3	1	0	4
MAHIS	C14	82564	History of West Asia (1900 – 1980)	SC	3	1	0	4
MAHIS	C15	82565	History of South Asia Excluding India (1947 – 1996)	SC	3	1	0	4
MAHIS	CNM	82566	Colonialism and Nationalism in Modern India	OE	3	1	0	4

M.A. (HISTORY)

2nd SEM

Stream Code	Sub Code	QP Code	Subject Name		L	T	P	CREDITS
MAHIS	B01	82521	History of Medieval India (700 to 1707 A.D)	HC	3	1	0	4
MAHIS	B02	82522	History of Medieval World (Arab, Persian, Europe)	HC	3	1	0	4
MAHIS	B04	82524	Economic History of Medieval India	HC	3	1	0	4
MAHIS	B03	82523	Society and polity of Medieval India	SC	3	1	0	4
MAHIS	B05	82525	Art & Architecture of Medieval North India	SC	3	1	0	4
MAHIS	B06	82526	Socio – Religious Movements in Medieval North India	SC	3	1	0	4
MAHIS	B07	82527	Hoysalas and Chalukyas of Kalyana	SC	3	1	0	4
MAHIS	B08	82528	History of Vijayanagar Dynasty 1336 – 1646 A.D.	SC	3	1	0	4
MAHIS	B09	82529	Socio – Religious Movements in Medieval South India	SC	3	1	0	4

MAHIS	B10	82530	Art and Architecture of Medieval North India	SC	3	1	0	4
MAHIS	B11	82531	Economic History of Medieval South India	SC	3	1	0	4
MAHIS	B12	82532	Medieval Indian Historical Writings	SC	3	1	0	4
MAHIS	B13	82533	Feudal State and Culture in Medieval South India (500 – 1761 A.D)	SC	3	1	0	4
MAHIS	B14	82534	Maritime Trade of South India 1498 - 1857	SC	3	1	0	4
MAHIS	PMI	82535	Problems of Medieval Indian History	OE	3	1	0	4

M.A. (HISTORY)

4th SEM

Stream Code	Sub Code	QP Code	Subject Name		L	T	P	CREDITS
MAHIS	D01	82581	Historiography	HC	3	1	0	4
MAHIS	D02	82582	History of Karnataka (1600 – 1799 A.D.)	HC	3	1	0	4
MAHIS	D13	82593	Economic History of Modern India ((1757 – 1947)	HC	3	1	0	4
MAHIS	D04	82584	History of Modern Mysore (1799 – 1947 A.D)	SC	3	1	0	4
MAHIS	D05	82585	History of Hyderabad Karnataka (1800 – 1948 A.D)	SC	3	1	0	4
MAHIS	D06	82586	History of Freedom Movement and Unification in Karnataka	SC	3	1	0	4
MAHIS	D07	82587	Dalit Movements in Modern India	SC	3	1	0	4
MAHIS	D08	82588	Social Movement in Modern India	SC	3	1	0	4
MAHIS	D09	82589	Social Movement in Karnataka	SC	3	1	0	4
MAHIS	D10	82590	Social Movement in Andhra	SC	3	1	0	4
MAHIS	D11	82591	Social Movement in Tamilnadu	SC	3	1	0	4
MAHIS	D12	82592	Social Movement in Kerala	SC	3	1	0	4
MAHIS	D03	82583	History of British Karnataka	SC	3	1	0	4
MAHIS	D14	82594	Peasant Movements in Modern India	SC	3	1	0	4
MAHIS	D15	82595	Economic History of Modern Karnataka	SC	3	1	0	4
MAHIS	D16	82596	Science & Technology in Modern India.	SC	3	1	0	4
MAHIS	FSI	82597	Freedom Struggle in India 1885 - 1947	OE	3	1	0	4

CBCS WEST ASIAN STUDIES- 2012-13.

Semester : ODD (I and III Semester)

Semester	Paper code no	Title of the paper	Hard core / Soft core	LTP	Credit value	Remarks
1st Sem	84101	History and Culture of West Asia (570-750 A.D)	HC	3 – 1 - 0	04	
1st Sem	84102	The Physical Geography of West Asia	HC	3 – 1 - 0	04	
1st Sem	84103	West Asian Society(Israel, Iran and Turkey)	HC	3 – 1 - 0	04	
1st Sem	84104	India and West Asia (up to 8th century)	SC	3 – 1 - 0	04	
1st Sem	84105	West Asia and Europe in the 19th and 20 th Centuries	SC	3 – 1 - 0	04	
1st Sem	84106	Elementary Arabic Language	SC	3 – 1 - 0	04	
1st Sem	84107	Elementary Persian Language	SC			
3rd Sem	84161	History of the Ottoman Empire (1258-1800.A.D)	HC	3 – 1 - 0	04	
3rd Sem	84162	Economic Development of West Asia-(Iran, Turkey-Israel)	HC	3 – 1 - 0	04	
3rd Sem	84163	History of Persia (Iran) from Safavid to Kajar Period.	HC	3 – 1 - 0	04	
3rd Sem	84164	Arabic Language and Literature in Mediaeval Period.	SC	3 – 1 - 0	04	
3rd Sem	84165	Persia Language and Literature in Mediaeval Period	SC	3 – 1 - 0	04	
3rd Sem	84161	History of the Ottoman Empire (1258-1800.A.D)	HC	3 – 1 - 0	04	

Semester : EVEN (II and IV Semester)

2nd Sem.	84121	History of Islamic Civilization-750-1250. A.D.	HC	3 – 1 - 0	04	Remarks
2nd Sem.	84122	Socio-economic Geography of West Asia	HC	3 – 1 - 0	04	
2nd Sem.	84123	West Asian society (Arab countries-Iraq, Saudi Arabia and Egypt)	HC	3 – 1 - 0	04	
2nd Sem.	84126	Communicative Language Arabic	SC	3 – 1 - 0	04	
2nd Sem.	84127	Communicative Language Persia	SC	3 – 1 - 0	04	
4th Sem	84181	History of Turkey in 19th & 20th centuries	HC	3 – 1 - 0	04	

Semester	Code	Course		LTP	Credit Value	
4th Sem	84182	The Economic Development West Asia (Iraq, Saudi Arabia and Egypt)	HC	3 – 1 - 0	04	
4th Sem	84183	Research Methodology in Area Studies	HC	3 – 1 - 0	04	
4th Sem	84184	Arabic Language and Literature in Modern Period-I	SC	3 – 1 - 0	04	
4th Sem	84185	Persian Language and Literature in Modern Period-I	SC	3 – 1 - 0	04	

Open Electives :

Semester	Code	Course	LTP	Credit Value	Remarks
1st Sem	-	-	-	-	Nil
3rd Sem	84128	Persian Language Literature	3 – 1 – 0	04	
2nd Sem	84167	Basic Persian Language	3 – 1 – 0	04	
4th Sem	84187	Ideology & Conflict in West Asia	3 – 1 – 0	04	

Semester : ODD (I and III Semester)

Semester	Code	Course	Hard Core / Soft Core	LTP	Credit Value	Remarks
I Sem		CBCS	HC-12 / SC- 4	3 + 1	12 + 8 = 20	
III Sem		CBCS	HC-12/ SC – 4	3 + 1	12 + 4 = 16	

Semester : EVEN (II and IV Semester)

Semester	Code	Course	Hard Core / Soft Core	LTP	Credit Value	Remarks
II Sem		CBCS	HC-12 / SC- 4	3 + 1	12 + 4 = 16	
IV Sem		CBCS	HC-12/ SC – 4	3 + 1	12 + 4 = 16	

Open Electives :

Semester	Course	LTP	Credit Value	Remarks
Odd I & III	CBCS	3 + 1	III Sem 4	1st Sem OE Nil / III Sem 4
Even II & IV	CBCS	3 + 1	4 + 4	8

Name of the Department : **Psychology**
Course **: M.A.**

ODD SEMESTER

Semester	Code	Course	Hard/Soft Core	Credit Value			
Semester 1		Advanced Cognitive Psychology	Hard Core	3	0	1	4
Semester 1		Test construction and standardization	Hard Core	2	1	1	4
Semester 1		Basic genetics, Evolution, and Behavior	Hard Core	2	1	1	4
Semester 1		Childhood Psychopathology	Soft Core	3	1	0	4
Semester 1		Psychological Assessment	Soft Core	2	1	1	4
Semester 1		Organizational Behavior	Soft Core	2	1	1	4
Semester 1		Human Resource Management	Soft Core	2	0	1	3
Semester 3		Learning Theories	Hard Core	3	1	2	6
Semester 3		Perspectives in Personality	Hard Core	2	1	1	4
Semester 3		Social Evolution: Principles and Mechanisms	Soft Core	2	1	0	3
Semester 3		Group and Family Therapy	Soft Core	2	1	0	3
Semester 3		Social Evolution: Social species	Soft Core	2	1	0	3
Semester 3		Psychotherapy	Soft Core	3	0	0	3
Semester 3		Organizational Development	Soft Core	3	0	0	3
Semester 3		Research Preparation	Soft Core	0	3	0	3

EVEN SEMESTER PAPERS:

Semester	Code	Course	Hard/Soft Core	Credit Value			
Semester 2		Advanced Statistics	Hard Core	3	0	1	4
Semester 2		Advanced Research Methodology	Hard Core	2	1	1	4
Semester 2		Adult Psychopathology	Soft Core	2	1	1	4
Semester 2		Clinical Assessment	Soft Core	2	1	1	4

Semester 2		Human Behavior and Counseling at Work	Soft Core	2	1	1	4
Semester 2		Human Resource Training and Development	Soft Core	2	1	1	4
Semester 4		Dissertation	Hard Core	0	8	0	8
Semester 4		Field work	Hard Core	0	4	0	4
Semester 4		Animal Behavior: Research Methodology	Soft Core	0	4	0	4
Semester 4		Psychology: Indian perspectives	Soft Core	2	1	1	4
Semester 4		Counseling Psychology	Soft Core	3	1	0	4

Open Elective Papers offered in the department:

1		Basic Psychological Processes	3	1	0	4
2		Discovering Personality	3	1	0	4
3		Psychology in Indian Traditions.	3	1	0	4

Name of the Department: Organic Chemistry

Programme: M.Sc

Semester: ODD (I and III semester)

Semester	Code	Course	HardCore /SoftCore	L	T	P	Credit Value	Remarks
I	OC1.1	Advanced separation techniques	HardCore	3	0	0	3	
I	OC1.2	Principles of Inorganic Chemistry	HardCore	3	0	0	3	
I	OC1.3	Stereochemistry and reaction mechanisms	HardCore	3	0	0	3	
I	OC1.4	Principles of physical chemistry	HardCore	3	0	0	3	
I	OC1.5	Analytical Chemistry Practical	HardCore	0	0	3	3	
I	OC1.6	Inorganic Chemistry Practical	HardCore	0	0	3	3	
I	OC1.71	Peptides & Nucleic acids	Soft Core	2	0	0	2	**Any one Soft Core**
I	OC1.72	Carbohydrates & Vitamins	Soft Core	2	0	0	2	
I	OC1.73	Steroids and alkaloids	Soft Core	2	0	0	2	
Total Credit Value							**20**	
III	OC3.1	Molecular rearrangements and Heterocyclic chemistry	HardCore	3	0	0	3	
III	OC3.2	Bonding, Photochemistry & Pericyclic reactions	HardCore	3	0	0	3	
III	OC3.3	Organic chemistry practicals- Multistep synthesis	HardCore	0	0	3	3	
III	OC3.41	Organic Chemistry Practicals – Isolation of natural products	Soft Core	0	0	3	3	**Any Two Soft Core**
III	OC3.42	Lipids, Porphyrins, anthocyanins and flavonoids	Soft Core	2	1	0	3	
III	OC3.43	Polymer chemistry	Soft Core	2	1	0	3	
Total Credit Value							**15**	

Semester: EVEN (II and IV semester)

Semester	Code	Course	HardCore /SoftCore	L	T	P	Credit Value	Remarks
II	OC2.1	Spectroscopy	HardCore	3	0	0	3	
II	OC2.2	Reagents and synthesis	HardCore	3	0	0	3	
II	OC2.3	Synthetic organic chemistry	HardCore	3	0	0	3	
II	OC2.4	Organometallics and non-metallics	HardCore	3	0	0	3	
II	OC2.5	Organic Chemistry Practical	HardCore	0	0	3	3	
II	OC2.6	Physical Chemistry Practical	HardCore	0	0	3	3	
II	OC2.71	Bioanalytical chemistry	Soft Core	2	0	0	2	**Any one Soft Core**
II	OC2.72	Bio-Inorganic chemistry	Soft Core	2	0	0	2	
II	OC2.73	Bio-Organic chemistry	Soft Core	2	0	0	2	
II	OC2.74	Bio-Physical chemistry	Soft Core	2	0	0	2	
Total Credit Value							**20**	
IV	OC4.1	Medicinal chemistry I	HardCore	3	0	0	3	
IV	OC4.2	Dissertation	HardCore	0	0	4	4	
IV	OC4.31	Organic chemistry practical - Estimations	Soft Core	0	0	3	3	**Any one Soft Core**
IV	OC4.32	Medicinal chemistry –II	Soft Core	2	1	0	3	
IV	OC4.33	Dyes and insecticides	Soft Core	2	1	0	3	
Total Credit Value							**13**	

Open electives:

Semester: ODD (I and III semester)

Semester	Code	Course	L	T	P	Credit Value	Remarks
I	**Nil**						
III	OC3.51	Role of chemistry in animal health and growth	2	0	0	2	
III	OC3.52	Chemistry of natural products	2	0	0	2	

Semester: EVEN (II and IV semester)

Semester	Code	Course	L	T	P	Credit Value	Remarks
II	OC2.81	Basic concepts in organic chemistry	2	0	0	2	
II	OC2.82	Life style chemicals	2	0	0	2	

| IV | OC4.41 | Applications of synthetic products | 2 | 0 | 0 | 2 | |
| IV | OC4.42 | Chemistry of soil and fertilizers | 2 | 0 | 0 | 2 | |

NOTE: Lecture (L): 1 hr = 1 Credit   **Total Hard Core Course: 52**

Tutorial (T): 2hr = 1 Credit   **Soft Core Course (minimum): 16**

Practical (P): 2hr = 1 Credit   **Open Elective Course (minimum): 08**

Name of the Department: **DOS in Food Science and Nutrition**
Program: **M.Sc. Human Development**
Semester: **Odd (I and III Semester)**

Semester	Code	Course	Hard/Soft core	L	T	P	Credit Value	Remarks
I	85301	Theories of Human Development and Behavior	Hard Core	2	1	-	**3**	
I	85302	Advanced Study in Human Development –Prenatal to Adolescence	Hard Core	2	1	2	**5**	
I	85303	Advanced Family Studies	Hard Core	2	1	-	**3**	
I	85304	Bio-Statistics And Computer Applications	Hard Core	2	1	-	**3**	
III	85341	Organization and Administration of Early Childhood Educational Institutions	Hard Core	2	1	2	**5**	
III	85342	Monitoring and Evaluation of Child and Family Welfare Programme	Hard Core	2	1	-	**3**	
III	85343	Guidance and Counseling	Hard Core	1	1	-	**2**	
III	85344	Reproductive Health-Issues and Welfare Programmes	Hard Core	1	1	-	**2**	
I	85305	Children with Developmental Challenges	Soft Core	3	1	-	**4**	
I	85306	Infant Development and Stimulation	Soft Core	1	1	-	**2**	
I	85307	Childhood Behavioral Problems	Soft Core	1	1	-	**2**	
I	85309	Adolescence and Youth – Challenges and Guidance	Soft Core	3	1	-	**4**	
III	-	Internship in ECCE Institutions/ ECSN Institutions/ NGOs Working for Children and Women**	Soft Core	-	4	-	**4**	
III	85345	Legislation and the Policy Issues in Family and Child Welfare	Soft Core	3	1	-	**4**	

Semester: **Even (II and IV Semester)**

Semester	Code	Course	Hard/Soft core	L	T	P	Credit Value	Remarks
II	85321	Methods and Techniques of Assessment in Human Development	Hard Core	2	1	2	**5**	
II	85322	Advanced Study in Human Development - Adulthood	Hard Core	2	1	1	**4**	
II	85323	Women and Children in Difficult Circumstances	Hard Core	2	1	-	**3**	
II	85324	Scientific Writing*****	Hard Core	-	1	-	**1**	
II	85325	Seminar-Current Trends and Issues in Human Development*****	Hard Core	-	1	-	**1**	
IV	85361	Children with Special Needs	Hard Core	1	1	2	**4**	
IV	-	Dissertation work	Hard Core	-	6	-	**6**	
II	85326	Curriculum for Early Years	Soft Core	3	1	-	**4**	
II	85327	Gerontology – Challenges and Care	Soft Core	3	1	-	**4**	
II	85328	Parent-Child Relationship	Soft Core	1	1	-	**2**	
II	85331	Mental Health of Children	Soft Core	1	1	-	**2**	
IV	85362	Genetic Disorder and Counseling	Soft Core	3	1	-	**4**	
IV	85363	Mental Health of Adolescents and Adults	Soft Core	3	1	-	**4**	
IV	85364	Human Rights from Child and Woman's Perspective	Soft Core	1	1	-	**2**	
IV	85365	Family Stress, Coping and Adaptation	Soft Core	1	1	-	**2**	

Open Electives of Human Development Program

Semester	Code	Course	L	T	P	Credit Value	Remarks
Odd III	85346	Adolescence – Problems and Guidance	3	1	-	**4**	
Even	85330	Early Childhood – Health, Nutrition and	3	1	-	**4**	
II and IV	85336	Parenting in Childhood Years	3	1	-	**4**	

COURSE: M.Sc IN FOOD SCIENCE AND NUTRITION------ ODD SEMESTERS

Sem.	Code	Course	Hard/Soft Core	LTP	Credit value	Remarks
I	82001	Food Science and Food Processing- **I**		2:1:2	5	-
	82002	Nutritional Biochemistry	HARD CORE	2:1:2	5	-
	82003	Human Nutrition- **I**		2:1:0	3	-
	82004	Community nutrition		2:1:0	3	-
III	82051	Food Preservation		2:1:2	5	Food Science and Food Processing I course is pre requisite to opt these courses
	82052	Functional properties of foods		2:3:0	5	
I	82005	Research Methods		2:0:0	2	-
	82006	Food Hygiene and Sanitation		2:0:0	2	-
	82007	Food Microbiology	SOFT CORE	2:0:0	2	-
	82012	Assessment of Nutritional status		2:0:0	2	-
III	82053	Statistical Methods & computer applications		1:1:0	2	-
	82054	Entrepreneurship and Marketing		2:0:0	2	-
	82055	Quality control in food industries		2:0:0	2	-
	82056	Food Additives		2:0:0	2	-
	82057	Principles of Clinical Nutrition		2:2:0	4	Community nutrition course is pre-requisite
		Term paper		2:0:0	2	-

EVEN SEMESTER

Sem.	Code	Course	Hard/Soft Core	LTP	Credit value	Remarks Pre requisite courses
II	82021	Food Science and Food Processing- **II**		2:1:2	5	-
	82022	Human Nutrition- **II**	HARD CORE	2:1:2	5	-
	82023	Food laws and food safety		2:1:0	3	-
		Seminar		0:1:0	1	-
IV	82071	Product Development & sensory evaluation		2:3:0	5	Food Science and Food

						Processing-**II**
	82072	Advances in Nutritional Science		2:1:0	3	Human Nutrition-**II**
II	-	Term work in Nutritional assessment	SOFT CORE	0:2:0	2	-
	82024	Food packaging technology		2:0:0	2	-
	82025	Neutraceuticals and health foods		2:0:0	2	-
	82073	Diet in diseases		2:2:0	4	-
IV	-	Project work		6:0:0	6	-
II	82026	Enzymes in food processing	SOFT CORE SELF STUDY	0:2:0	2	-
	82027	Food fortification		0:2:0	2	-
IV	82074	Storage and handling of fresh produce		0:3:0	3	-
	82075	Food Biotechnology		0:3:0	3	-

OPEN ELECTIVE

Sem	Course	LTP	Credit value	Remarks
Odd- III	Culinary Science- Principles and Techniques	2:2:0	4	-
Even – II & IV	Healthy life styles and Nutrition	2:0:0	2	-
	Foods in Indian Tradition	2:0:0	2	-

Name of the Department   : Physical Education and Sports Sciences.

Program: M.P.Ed.

Semester: ODD (I and III Semester)

Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
I semester		M.P.Ed	Hard Core 1.1:Foundations & Principle s of Physical Education .	L - 02 Credits T – 01 Credit	03	
			1.2: Health, Fitness & Wellness	L = 02 credits T = 01 Credit	03	
			1.3: a) Sport Management-I b) Sport Psychology c)Sport Bio-mechanics{ Only one paper to be opted)	L-02 credits T = 01 credit	03	
			1.4: Specialization Game/Sport(HC)	T = 01 credit P = 05 Credits	06	
			1.5: Specialization Athletics-I(HC)	t- 01 Credit P= 05 redits	06	
III Semester		M.P.Ed.	Hard Core 3.1: Exercise Physiology-I	L = 02 credits T= 01 credit	03	
			1.2: Evaluation in Physical Education	L= 02 credits T = 01 credit	03	
			3.3:a)Guidance & Counselling b)Sport	L = 02 credits	03	

			Training-part-I c)Sport Sociology (only one paper to be opted)	T = 01 credit		
			3.4: Specializzation: Game/Sport(HC	L = 01 Credit P = 05 Credit	06	
			3.5: Specialization: Game/Sport(HC)	T=01 credit P= 05 credit	06	

SEMESTER : EVEN (II and IV))

SEMESTER	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
II Semester		M.P.Ed	**Hard Core** 2.1: Statistics and Computer Applications in Physical Education	L = 2 creits T = 01 credit	03	
			2.2: Research Process in Physical Education	L = 02 credits T = 01 credit	03	
			2.3: a)Sport Management-II b)Sport Psychology-II c)Sport Biomechanics-II (paper opted in the first semester shall	T = 01 Credit	06	

Semester	Code	Course	Hard core/ Soft core	LTP	Credit value	Remarks
			be continued)	P=05 credits		
			2.4: Specialization: Gane/Sport(HC)	T = 01 CRredit P=05 credits	06	
			2.5:Specialisation Athletics-II (HC)			

Semester	Code	Course	Hard core/ Soft core	LTP	Credit value	Remarks
IV Semester		M.P.Ed	Hard Core 4.1: Exercise Physiology-II	L = 02 credits T = 01 credit	03	
			4.2: Evaluation in Physical Education-II	L = 02 credits P= 01 credit	02	
			4.3: a)Dissertation b)Sports Training c)Sports Medicine (If sport training is opted in the third semester The candidate shall optfor sport Training-II in the fourth semester)	T=03credits L = 2 credits T = 01 credit	03 03	
			4.4: Specialization:game/Sport(HC)	T= 1 credit P = 5 creits	06	
			4.5:Specialization:Gane/Sport (HC)	T=01 credit P=5 credits	06	

OPEN ELECTIVES

Even II and IV	Course	LTP	Credit value	Remarks
Second Semester	M.P.Ed. Physical Education , Fitness and Wellness	L-02 credits T- 01 credit	03 credits	
Fourth Semester	M.P.Ed. Sociology of Sports	L-02 credits T – 01 credit	03 credits	

SEMESTER I AND II SEMESTER

Semester	Code	Course	Hard /Score Soft core	LTP	Credit Value	Remarks
First semester		B.P.Ed	Hard CORE 1.1: History of Physical Education, Recreation and camping.	L - 03 credits	03	
			1.2: Foundations of Physical Education.	L- 03 credits	03	
					03	
			1.3: Methodology of Teaching in Physical Education	L - 3 credits		
					03	
			1.4:Anatomy, Physiology and Kinesiology	L-03 credits	03	
			PRACTICALS:- 1.5:Volleyball and swimming (HC)	T -01 credi P - 02 creditst	03	
					03	
			1.6: Kho-kho & Kabaddi (HC)	T - 01 credit	03	
			1.7:Formal Activies and Gymnastics(HC)	P - 02 credits		
Second Semester		B.P.Ed	1.8: Athletics and Crickets(hc)	T-01 credit P-02 credits	03	

Semester	Code	Course		Credit value	Remarks
			Hard Core **2.1 health Education and Safety Education**	**T-01 credit P-02 credits**	**03**
			2.2: Principles of officiating and coaching (HC)		**03**
			2.3: Education Management(HC)	**L - 03 credits**	**03**
			2.4: Adapted Physical Education and Sports Injuries (HC)	**L- 03 credits**	
			Hard core/Soft core	**03 credits**	
				03 credits	
				LTP	
Second Practical		**B.P.Ed.**	**2.5:Handball and Hockey (HC)**	**t-01 credit P- 02 credits**	**03**
			2.6:Badminton and Indigenous activities(HC)	**T- 01 credit P -02 credits**	**03**
			2.7: Football and Basketball		**03**
			2.8 TEACHING ABILITY: General Lesson and Particular Lesson(HC)	**T- 01 CREDIT p-02 credits**	**03**
				T-01 credit P-02 credits	

Name of the Department : GANDHI BHAVAN

Course : MA in Peace and Conflict Resolution

Semester: ODD (I & III SEMESTER)

Sub Code	QP Code	Course	Type	L.T.P.	Credits
		I SEMESTER			
A01	89701	Peace: Basic Issues	HC	3+1+0	4
A02	89702	Conflict: Basic Issues	HC	3+1+0	4
A03	89703	Durable Peace: Challenges and Methods	HC	3+1+0	4
A04	89704	Methods for Conflict Resolutions	SC	3+1+0	4
A05	89705	Global Conflict and Peace Initiatives	SC	3+1+0	4
A06	89706	Religious Philosophy and Conflict Resolution	SC	3+1+0	4
		III SEMESTER			
C01	89741	Peace Movements in India	HC	3+1+0	4
C02	89742	Contemporary Conflicts in India	HC	3+1+0	4
C03	89743	Post- Gandhian Conflict Resolutions in India	HC	3+1+0	4
C04	89744	Gandhian Issues in Indian Politics	SC	3+1+0	4
C05	89745	Gandhi and Constructive Programme	SC	3+1+0	4

Semester: EVEN (II & IV SEMESTER)

Sub Code	QP Code	Course	Type	L.T.P.	Credits
		II SEMESTER			
B01	89721	Peace Movements at the Global Level-I	HC	3+1+0	4
B02	89722	Peace Movements at the Global Level-II	HC	3+1+0	4
B03	89723	Globalization and Growing Conflict	SC	3+1+0	4
B04	89724	Globalization, Civil Society and World Peace	SC	3+1+0	4
B05	89725	Conflicts and Political Thought:Marx, Lenin, Ambedkar	SC	3+1+0	4
		IV SEMESTER			
D01	89761	Gandhian understanding of Peace	HC	3+1+0	4
D02	89762	Gandhian Techniques of Conflict Resolution	HC	3+1+0	4
D03	PRJ	Minor Project work	HC	3+1+0	4
D04	89763	Gandhi, Ecology and Peace	SC	3+1+0	4
D05	89764	Application of Gandhian Techniques (Case Studies)	SC	3+1+0	4

OPEN ELECTIVES

Sub Code	QP Code	Course	Type	L.T.P.	Credits
		ODD (I Semester)			
		Nil			
		ODD (III Semester)			
PIP	89746	Peace Issues in Indian Philosophy	OE	3+1+0	4
		EVEN (II Semester)			
GGP	89726	Gandhi, World Order and Global Peace	OE	3+1+0	4
		EVEN (IV Semester)			
IAG	89765	India After Gandhi	OE	3+1+0	4

Honors in Microbiology
Credit based Choice Based continuous evaluation pattern System
Proposed Semester-wise distribution of the course structure for the year 2011-2013

Semester-I   Credits: 20

No	Paper Code	Title of the course paper	Credit pattern in L:T:P	Credits
1.	**Hard Core** MB- 1.1	Virology and Bacteriology - Theory & Practical	2:1:1	4
2	**Hard Core** MB- 1.2	Mycology - Theory & Practical	2:1:1	4
3	**Hard Core** MB- 1.3	Microbial Genetics- Theory & Practical	2:1:1	4
4	**Soft Core-1** SMB-1.1	Microbial Diversity- Theory & Practical	2:1:1	4
	Soft Core -2 SMB-1.2	Techniques in Microbiology Theory & Practical	2:1:1	4

HC=03; SC=02; O.E=0.

Semester-II   Credits: 20

No	Paper Code	Title of the course paper	Credit pattern in L:T:P	Credits
1.	**Hard Core** MB- 2.1	Microbial Physiology- Theory & Practical	2:1:1	4
2	**Hard Core** MB- 2.2	Immunology- Theory & Practical	2:1:1	4
3	**Soft Core-1** SMB-2.1	Food Microbiology– Theory & Practical	2:1:1	4
	Soft Core -2 SMB-2.2	Clinical Microbiology- Theory & Practical	2:1:1	4
	Soft Core -3 SMB-2.3	Fermentation Technology- Theory	2:1:1	4
4	**Open Elective** OMB-2.1	Microbial Techniques- Theory & Practical	2:1:1	4

HC=02; SC=02; O.E=01.

M. Sc.   Microbiology
Credit Based Choice Based Continuous Evaluation Pattern System
Proposed Semester-wise distribution of the course structure
Semester-III   Credits: 20

No	Paper Code	Title of the course paper	Credit pattern in L:T:P	Credits
1.	**Hard Core**MB- 3.1	Medical microbiology - Theory & Practical	2:1:1	4
2	**Hard Core**MB- 3.2	Industrial Microbiology-Theory & Practical	2:1:1	4
3	**Hard Core**MB- 3.3	Agricultural Microbiology-Theory & Practical	2:1:1	4
4	**Soft Core-1** SMB- 3.1	Environmental Microbiology - Theory & Practical	2:1:1	4
	Soft Core-2 SMB- 3.2	Soil Microbiology- Theory & Practical	2:1:1	4
	Soft Core-3 SMB- 3.3	Aerobiology- Theory & Practical	2:1:1	4
5	**Open Elective** OMB-3.1	General Microbiology	2:1:1	4

HC=03; SC=01; O.E=01.

Semester-IV   Credits: 20

No	Paper Code	Title of the course paper	Credit pattern in L:T:P	Credits
1.	**Hard Core**MB- 4.1	Molecular Biology - Theory & Practical	2:1:1	4
2	**Soft Core** SMB- 4.1	Genetic Engineering- Theory & Practical	2:1:1	4
	Soft Core SMB- 4.2	Dairy Microbiology- Theory	1:1	2
	Soft Core SMB- 4.3	Infectious Diseases and Awareness- Theory & Practical	2:1:1	2
3	**PW MB- 4.3**	Project Work	0:2:6	8
4	**Open elective**	Applied Microbiology Theory & Practical	2:1:1	4

HC=01; SC=01; O.E=01.

Grand Total Credits: 80

Honors in Microbiology
Credit based Choice Based continuous evaluation pattern System
Proposed Semester-wise distribution of the course structure for the year 2011-2013

Semester-I   Credits: 20

No	Paper Code	Title of the course paper	Credit pattern in L:T:P	Credits
1.	**Hard Core** MB- 1.1	Virology and Bacteriology - Theory & Practical	2:1:1	4
2	**Hard Core** MB- 1.2	Mycology - Theory & Practical	2:1:1	4
3	**Hard Core** MB- 1.3	Microbial Genetics- Theory & Practical	2:1:1	4
4	**Soft Core-1** SMB-1.1	Microbial Diversity- Theory & Practical	2:1:1	4
	Soft Core -2 SMB-1.2	Techniques in Microbiology Theory & Practical	2:1:1	4

HC=03; SC=02; O.E=0.

Semester-II   Credits: 20

No	Paper Code	Title of the course paper	Credit pattern in L:T:P	Credits
1.	**Hard Core** MB- 2.1	Microbial Physiology- Theory & Practical	2:1:1	4
2	**Hard Core** MB- 2.2	Immunology- Theory & Practical	2:1:1	4
3	**Soft Core-1** SMB-2.1	Food Microbiology– Theory & Practical	2:1:1	4
	Soft Core -2 SMB-2.2	Clinical Microbiology- Theory & Practical	2:1:1	4
	Soft Core -3 SMB-2.3	Fermentation Technology- Theory	2:1:1	4
4	**Open Elective** OMB-2.1	Microbial Techniques- Theory & Practical	2:1:1	4

HC=02; SC=02; O.E=01.

M. Sc. Microbiology
Credit Based Choice Based Continuous Evaluation Pattern System
Proposed Semester-wise distribution of the course structure
Semester-III   Credits: 20

No	Paper Code	Title of the course paper	Credit pattern in L:T:P	Credits
1.	**Hard Core**MB- 3.1	Medical microbiology - Theory & Practical	2:1:1	4
2	**Hard Core**MB- 3.2	Industrial Microbiology-Theory & Practical	2:1:1	4
3	**Hard Core**MB- 3.3	Agricultural Microbiology-Theory & Practical	2:1:1	4
4	**Soft Core-1** SMB- 3.1	Environmental Microbiology - Theory & Practical	2:1:1	4
	Soft Core-2 SMB- 3.2	Soil Microbiology- Theory & Practical	2:1:1	4
	Soft Core-3 SMB- 3.3	Aerobiology- Theory & Practical	2:1:1	4
5	**Open Elective** OMB-3.1	General Microbiology	2:1:1	4

HC=03; SC=01; O.E=01.

Semester-IV   Credits: 20

No	Paper Code	Title of the course paper	Credit pattern in L:T:P	Credits
1.	**Hard Core**MB- 4.1	Molecular Biology - Theory & Practical	2:1:1	4
2	**Soft Core** SMB- 4.1	Genetic Engineering- Theory & Practical	2:1:1	4
	Soft Core SMB- 4.2	Dairy Microbiology- Theory	1:1	2
	Soft Core SMB- 4.3	Infectious Diseases and Awareness- Theory & Practical	2:1:1	2
3	**PW MB- 4.3**	Project Work	0:2:6	8
4	**Open elective**	Applied Microbiology Theory & Practical	2:1:1	4

HC=01; SC=01; O.E=01.

Grand Total Credits: 80

Name of the Department : **HISTORY**
Course **: M.A.**
Semester : ODD (I and III Semester)

Semester	Code	Course	Hard Core / Soft Core	LTP	Credit Value	Remarks
I Sem		CBCS	HC-12 / SC- 8	3 + 1	12 + 8 = 20	
III Sem		CBCS	HC-12/ SC – 4	3 + 1	12 + 4 = 16	

Semester : EVEN (II and IV Semester)

Semester	Code	Course	Hard Core / Soft Core	LTP	Credit Value	Remarks
II Sem		CBCS	HC-12 / SC- 4	3 + 1	12 + 4 = 16	
IV Sem		CBCS	HC-12/ SC – 4	3 + 1	12 + 4 = 16	

Open Electives :

Semester	Course	LTP	Credit Value	Remarks
Odd I & III	CBCS	3 + 1	III Sem 4	1st Sem OE Nil / III Sem 4
Even II & IV	CBCS	3 + 1	4 + 4	8

Name of the Department : DEPARTMENT OF STUDIES IN ZOOLOGY

Program : M.Sc., Zoology

Semester : ODD (I and III semester)

Semester	Code	Course	Hard Core / Soft Core	LTP	Credit value	Rem arks
I semester	84606	Non-chordata	Hard Core	2+1+1	04	
I semester	84607	Genetics & Cytogenetics	Hard Core	2+1+1	04	
I semester	84608	Biological Chemistry	Hard Core	2+1+1	04	
I semester	84609	Animal Physiology	Hard Core	2+0+2	04	
I semester	84610	Developmental Biology	Soft Core	3+1+0	04	
	84611	Histology & Histopathology	Soft Core	3+1+0	04	
	82107	Molecular Cytogenetics (Genetics section)	Soft Core	3+1+0	04	
III semester	84647	Molecular Biology	Hard Core	2+0+2	04	
III semester	84648	Applied Zoology	Hard Core	2+1+1	04	
III semester	84649	Biodiversity	Soft Core	3+1+0	04	
	84650	Advanced Cell Biology	Soft Core	3+1+0	04	
	84651	Advanced Genetics	Soft Core	3+1+0	04	

Semester : Even (II and IV semester)

Semester	Code	Course	Hard Core / Soft Core	LTP	Credit value	Rem arks
II semester	84641	Chordata	Hard Core	2+1+1	04	
II semester	84642	Reproductive Biology	Hard Core	2+1+1	04	
II semester	-	Minor Project	Hard Core	0+1+3	04	
II semester	84643	Evolutionary Biology	Soft Core	3+1+0	04	
	82128	Ethology and wild life Biology	Soft Core	3+1+0	04	
	82127	Gene Regulation (Genetics section)	Soft Core	3+1+0	04	
IV semester	84671	Environmental Biology	Hard Core	2+0+2	04	
IV semester	84673	General and Molecular Endocrinology	Soft Core	3+1+0	04	
IV semester	82163	Medical and Environmental Impact of development Genetics (Genetics section)	Soft Core	3+1+0	04	
IV semester	84674	Genetic Engineering and Biotechnology	Soft Core	3+1+0	04	
IV semester	-	Project Work	Hard Core	0+2+6	08	

Open Electives :

Code	Course	LTP	Credit value	Remarks
84646	Principles of Animal Sciences	3+1+0	04	
84652	Reproductive Health	3+1+0	04	
82164	Vectors and Communicable diseases	3+1+0	04	

Name of the Department: **Centre for Women's Studies, Manasagangotri, Mysore.**
Program: MA Course
Semester : ODD (I and III Semester)

I Semester	Code	Hard Core/Soft Core	L	T	P	Credit Value	Remarks
1) Fundamentals of Women's Studies	85801	HC	3	1	0	4	
2) Gender and Education	85802	SC	3	1	0	4	
3) Gender, Society and Culture	85803	HC	3	1	0	4	
4) Feminist analysis of Development Process	85804	HC	3	1	0	4	
5) Women and Rural Development	85805	SC	3	1	0	4	
6) Women and Work	85806	SC	3	1	0	4	
7) Women and Technology	85809	SC	3	1	0	4	

III Semester	Code	Hard Core/Soft Core	L	T	P	Credit Value	Remarks
1) Women's Movements	85841	HC	3	1	0	4	
2) Computer applications in Women's Studies	85842	HC	3	1	0	--	
3) Feminist Jurispreneurship	85843	HC	3	1	0	4	
4) Women Entrepreneurship	85844	SC	3	1	0	4	
5) Eco Feminism	85844	SC	3	1	0	4	

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Semester : EVEN (II and IV)

II Semester	Code	Hard Core/Soft Core	L	T	P	Credit Value	Remarks
1) Feminism and Feminist Theories	B11-85821	HC	3	1	0	4	
2) Feminist Research Methodology	B12-85822	HC	3	1	0	4	
3) Women and Empowerment	B13-85823	SC	3	1	0	4	
4) Women and Media	B14-85824	SC	3	1	0	4	
5) Minor Project		Pr.				4	

IV Semester	Code	Hard Core/Soft Core	L	T	P	Credit Value	Remarks
1) Feminist Approach to Psychology	DO1-85861	HC	2	2	0	4	
2) Guidance and Counseling for Women	DO2-85862	HC	3	1	0	4	
3) Women's Health and Nutrition	DO3-85863	SC	3	1	0	4	
4) Women and Governance	DO4-85864	SC	3	1	0	4	
5) Project Work	DO5-PRJ	Pr.				4	

Open Electives:

Semester	Code	L	T	P	Credit Value	Remarks
ODD (I Semester)	-	-	-	-	-	-
III Semester Open Elective paper: 1) "Gender and Development". And 2) Feminist Perspective in Management.	85846 85865	3 3	1 1	0 0	4 4	

Open Electives:

Semester	Code	L	T	P	Credit Value	Remarks
EVEN (II Semester) Open Elective paper: "Introduction to Women's Studies".	IWS-85825	3	1	0	4	
IV Semester	-	-	-	-	-	-

Semester : ODD (I Semester) **I Year PG Diploma**

I Semester	Code	Internal Assessment	Examination	Total Marks
1) Fundamentals of Women's Studies	69756	20	80	100
2) Gender, society and Culture	69757	20	80	100
3) Women, Economy and Development	69758	20	80	100
4) Women's Movement	69759	20	80	100

Semester : EVEN (II Semester)

I Semester	Code	Internal Assessment	Examination	Total Marks
1) Gender and Law	BO1-69766	20	80	100

2) Women and Health	BO2-69767	20	80	100
3) Women and Politics	BO3-69768	20	80	100
4) Feminist Research Methodology	BO4-69769	20	80	100

Name of the Department : MATHEMATICS
Courses offered during Odd and Even Semester under CBCS.

Semester : ODD (I and III Semester)

Semester	Code	Course	Hardcore/ Soft core	L:T:P	Credit Value	Remarks
I	82901	Algebra I	HC	3 : 1 : 0	4	
	82903	Real Analysis I	HC	3 : 1 : 0	4	
	82904	Real Analysis II	HC	3 : 1 : 0	4	
	82905	Complex Analysis I	HC	3 : 1 : 0	4	
	82902	Linear Algebra	SC	3 : 1 : 0	4	
	82906	Combinatorics and Graph Theory	SC	3 : 1 : 0	4	
	82907	Graph Theory	SC	3 : 1 : 0	4	
III	82942	Elements of Functional Analysis	HC	3 : 1 : 0	4	
	82943	Topology I	HC	3 : 1 : 0	4	
	82941	Commutative Algebra	SC	3 : 1 : 0	4	
	82944	Theory of Numbers	SC	3 : 1 : 0	4	
	82945	Algebraic Number Theory	SC	3 : 1 : 0	4	
	82946	Galois Theory	SC	3 : 1 : 0	4	

Semester : EVEN (II and IV Semester)

Semester	Code	Course	Hardcore/ Soft core	L:T:P	Credit Value	Remarks
II	82921	Algebra II	HC	3 : 1 : 0	4	
	82922	Real Analysis III	HC	3 : 1 : 0	4	
	82923	Complex Analysis II	HC	3 : 1 : 0	4	
	82924	Ordinary and Partial Differential Equations	SC	3 : 1 : 0	4	
	82926	Representation Theory of Finite Groups	SC	3 : 1 : 0	4	
IV	82962	Measure and Integration	HC	3 : 1 : 0	4	
	82963	Topology II	HC	3 : 1 : 0	4	
	82961	Differential Geometry	SC	3 : 1 : 0	4	
	82964	Advanced Graph Theory	SC	3 : 1 : 0	4	
	82965	Theory of Partitions	SC	3 : 1 : 0	4	
	82966	Advanced Functional Analysis	SC	3 : 1 : 0	4	

OPEN ELECTIVES:

Semester	Code	Course	L:T:P	Credit Value	Remarks
ODD	82947	Differential equations and its applications	3 : 1 : 0	4	
EVEN	82925	Discrete Mathematics	3 : 1 : 0	4	
	82967	Algorithms and Computations	3 : 1 : 0	4	

Name of the Department : Institute of Development Studies
Course :
D Semesters : I and III Semesters

Semester	Code	Course	Hard Core/ Soft Core	L-T-P	Credit Value	Remarks
I Semester						
Hard Core Subjects						
I Semester	86701	Human Settlements : Planning Thoughts and Philosophy	Hard Core	3-1-0	4	
I Semester	86702	Physical Planning: Principles and Techniques	Hard Core	3-1-0	4	
I Semester	86703	Demography and Statistical Methods	Hard Core	3-1-0	4	
I Semester	86704	Foundation Course in Networks and Construction Technology (for Social Science background Students)	Hard Core	3-1-0	4	
		OR				
I Semester	86705	Foundation Course in Social Sciences (for B. Arch, B. Plang. and B.E.(civil) students)	Hard Core	3-1-0		
Project Work						
I Semester		Planning Studio- I: Micro Planning	Hard Core	0-0-8	8	
III Semester						
Hard Core Subjects						
III Semester	86741	Project Formulation and Evaluation Techniques	Hard Core	3-1-0	4	
III Semester	86742	Planning Legislation, Governance and Management	Hard Core	3-1-0	4	
III Semester	86743	Computer Applications, Information Technology and Geographic Information System	Hard Core	3-1-0	4	
Soft Core Subjects						
III Semester	86744	Urban Redevelopment and Poverty Alleviation Programmes	Soft Core	3-1-0	4	
		OR				
III Semester	86745	Real Estate Development and Urban Economics	Soft Core	3-1-0		
		OR				
III Semester	86746	Planning for Disaster Management	Soft Core	3-1-0		
Project Work						
III Semester		Planning Studio III: Preparation of District Development Plan	Hard Core	0-0-8	8	
Internship Training						
III Semester		Internship Training	Hard Core	0-0-2	2	

EVEN Semesters: II and IV Semesters

Semester	Code	Course	Hard Core/ Soft Core	L-T-P	Credit Value	Remarks
		II Semester				
Hard Core Subjects						
II Semester	86721	Regional Planning and Development	Hard Core	3-1-0	4	
II Semester	86722	Ecology and Environmental Aspects of Planning	Hard Core	3-1-0	4	
II Semester	86723	Habitat and Housing	Hard Core	3-1-0	4	
II Semester	86724	Traffic and Transportation Planning	Hard Core	3-1-0	4	
Project Work						
II Semester		Planning Studio- II: Preparation of a Master Plan for an Urban Area	Hard Core	0-0-8	8	
		IV Semester				
Hard Core Subjects						
IV Semester	86761	City and Metropolitan Planning	Hard Core	3-1-0	4	
Soft Core Subjects						
IV Semester	86762	Urban Design and Landscape Architecture	Soft Core	3-1-0	4	
		OR				
IV Semester	86763	Village Planning and Rural Development	Soft Core	3-1-0		
		OR				
IV Semester	86764	Infrastructure Planning	Soft Core	3-1-0		
Planning Thesis						
IV Semester		Planning Thesis	Hard Core	0-0-12	12	

Name of the Department: **Chemistry**

Programme: **M.Sc. in Chemistry**

Semester: ODD (I and III Semester)

Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
FIRST	CHA HCT: 1.1	Fundamentals of Chemical Analysis	Hard Core	**3 0 0**	**03**	
	CHI HCT: 1.2	Concepts & Models of Inorganic Chemistry	Hard Core	**3 0 0**	**03**	
	CHO HCT: 1.3	Stereo Chemistry & Organic Reaction Mechanisms	Hard Core	**3 0 0**	**03**	
	CHP HCT: 1.4	Chemical Thermodynamics, Chemical Kinetics & Electrochemistry	Hard Core	**3 0 0**	**03**	
	CHA HCP: 1.5	Analytical Chemistry Practicals	Hard Core	**0 0 3**	**03**	
	CHI HCP: 1.6	Inorganic Chemistry Practicals	Hard Core	**0 0 3**	**03**	
	CHO HCP: 1.7	Organic Chemistry Practicals	Hard Core	**0 0 3**	**03**	
	CHP HCP: 1.8	Physical Chemistry Practicals	Hard Core	**0 0 3**	**03**	
	CHA SCT: 1.1	Applied Analysis - I	Soft Core	**2 0 0**	**02**	
	CHI SCT: 1.2	Chemical Applications of Group Theory	Soft Core	**2 0 0**	**02**	
	CHO SCT: 1.3	Reaction Mechanisms & Heterocyclic Chemistry	Soft Core	**2 0 0**	**02**	
	CHP SCT: 1.3	Solid State Chemistry & Semiconductors; Bio-physical Chemistry	Soft Core	**2 0 0**	**02**	

Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
THIRD	CHA HCT: 3.1	Instrumental Methods of Analysis	Hard Core	**3 0 0**	**03**	
	CHO HCT: 3.2	Spectroscopy	Hard Core	**3 0 0**	**03**	
	CHI SCT: 3.1	Organometallic Chemistry	Soft Core	**2 0 0**	**02**	
	CHI SCT: 3.2	Structural Methods of Inorganic Chemistry	Soft Core	**2 0 0**	**02**	
	CHP SCT: 3.3	Applications of Chemical Kinetics & Chemistry of Nanomaterials & Corrosion	Soft Core	**2 0 0**	**02**	
	CHP SCT:	Statistical	Soft Core	**2 0 0**	**02**	

Semester	Code	Course	Hard Core/Soft Core	LTP	Credit Value	Remarks
	3.4	Thermodynamics & Phase Rule; Radiation Chemistry & Polymer Chemistry				
	CHA SCP: 3.5	Analytical Chemistry Practicals	Soft Core	0 0 2	02	
	CHI SCP: 3.6	Inorganic Chemistry Practicals	Soft Core	0 0 2	02	
	CHO SCP: 3.7	Organic Chemistry Practicals	Soft Core	0 0 2	02	
	CHP SCP: 3.8	Physical Chemistry Practicals	Soft Core	0 0 2	02	

Semester: EVEN (II and IV Semester)

Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
SECOND	CHA HCT: 2.1	Separation Techniques	Hard Core	3 0 0	03	
	CHI HCT: 2.2	Coordination Chemistry	Hard Core	3 0 0	03	
	CHO SCT: 2.3	Synthetic Organic Chemistry	Hard Core	3 0 0	03	
	CHP SCT: 2.4	Quantum Chemistry; Nuclear Chemistry & Photochemistry & Microwave & Infrared Spectroscopy	Hard Core	3 0 0	03	
	CHA SCT: 2.1	Applied Analysis - II	Soft Core	2 0 0	02	
	CHI SCT: 2.2	Inorganic Polymers & Industrial Inorganic Chemistry	Soft Core	2 0 0	02	
	CHO SCT: 2.3	Photochemistry, Pericyclic reactions & Organometallic Chemistry	Soft Core	2 0 0	02	
	CHP SCT: 2.4	Pharmaco Kinetics	Soft Core	2 0 0	02	
	CHA SCP: 2.5	Analytical Chemistry Practicals	Soft Core	0 0 2	02	
	CHI SCP: 2.6	Inorganic Chemistry Practicals	Soft Core	0 0 2	02	
	CHO SCP: 2.7	Organic Chemistry Practicals	Soft Core	0 0 2	02	
	CHP SCP: 2.8	Physical Chemistry Practicals	Soft Core	0 0 2	02	

Semester	Code	Course	Hard Core/ Soft Core	LTP	Credit Value	Remarks
FOURTH	CHI HCT: 4.1	Bio-inorganic Chemistry	Hard Core	3 0 0	03	

	CHP HCT: 4.2	Solid State Chemistry & Applications of Quantum Chemistry; Advanced Chemical Kinetics & Bio-pharmaceutics	Hard Core	**3 0 0**	**03**	
	CHD: 4.3	Dissertation	Hard Core	**0 0 4**	**04**	
	CHA SCT: 4.1	Applied Analysis - III	Soft Core	**2 0 0**	**02**	
	CHA SCT: 4.2	Applied Analysis - IV	Soft Core	**2 0 0**	**02**	
	CHO SCT: 4.3	Bio-molecules	Soft Core	**2 0 0**	**02**	
	CHO SCT: 4.4	Chemistry of Natural Products	Soft Core	**2 0 0**	**02**	
	CHA SCP: 4.5	Analytical Chemistry Practicals	Soft Core	**0 0 2**	**02**	
	CHI SCP: 4.6	Inorganic Chemistry Practicals	Soft Core	**0 0 2**	**02**	
	CHO SCP: 4.7	Organic Chemistry Practicals	Soft Core	**0 0 2**	**02**	
	CHP SCP: 4.8	Physical Chemistry Practicals	Soft Core	**0 0 2**	**02**	

Open Electives:

Semester	Course	LTP	Credit Value	Remarks
FIRST	No Provision			
THIRD	Separation Techniques of Bio-chemistry & Biology	**2 0 0**	**02**	
	Biological Inorganic Chemistry	**2 0 0**	**02**	
	Basic Concepts in Organic Chemistry	**2 0 0**	**02**	
	General Aspects of Physical Chemistry	**2 0 0**	**02**	
SECOND	Fundamentals of Isolation, Separation, Purification & Characterization Techniques	**2 0 0**	**02**	
	Basic Principles of Chemistry	**2 0 0**	**02**	
FOURTH	Separation Techniques of Bio-chemistry & Biology	**2 0 0**	**02**	
	Biological Inorganic Chemistry	**2 0 0**	**02**	
	Basic Concepts in Organic Chemistry	**2 0 0**	**02**	
	General Aspects of Physical Chemistry	**2 0 0**	**02**	

Name of the Department : **PHYSICS**
Course : **M.Sc.**

Semester	Code	Course	Hard core/ Soft Core	L+T+P	Credit value	Remarks
Odd 1	A01	Classical Mechanics	HC	3+0+ 0	3	
	A02	Mathematical Methods of Physics 1	HC	3+0+ 0	3	
	A03	Mathematical Methods of Physics 2	HC	3+0+ 0	3	
	A04	Classical Electrodynamics, Plasma Physics and Optics	HC	3+0+ 0	3	
	A05	Computer Lab CL A	HC	0+0+2	2	
	A06	Optics Lab	HC	0+0+4	4	
	A07	Electronics Lab	HC	0+0+4	4	

Semester	Code	Course	Hard core/ Soft Core	L+T+P	Credit value	Remarks
Odd 3	C01	Nuclear and Particle Physics	HC	2+0+ 0	2	
	C02	Condensed Matter Physics	HC	2+0+ 0	2	
	C03	Nuclear And Particle Physics Lab *	HC	0+0+4	4	
	C04	Condensed Matter Physics Lab *	HC	0+0+4	4	
	C05	Nuclear Physics -1 **	SC	3+0+0	3	
	C06	Nuclear Physics Lab-1	SC	0+0+2	2	
	C07	Solid State Physics -1 **	SC	3+0+0	3	
	C08	Solid State Physics Lab-1	SC	0+0+2	2	
	C09	Theoretical Physics – 1 **§	SC	3+0+0	3	
	C10	Theoretical Physics Lab-1	SC	0+0+2	2	
	C11	Accelerator Physics	SC	3+0+0	3	
	C12	Liquid Crystals	SC	3+0+0	3	
	C13	Atmospheric Physics	SC	3+0+0	3	
	C14	Numerical Methods	SC	3+0+0	3	
	C15	Python Programming	SC	2+0+1	3	
	C16	Minor Project	SC	2+0+2	4	

Note:

*   A student can opted either for C03 or C04   ****** Compulsory
for students who have opted for C05

** Compulsory for students who have opted for C07   ****** Compulsory
for students who have opted for C09

Semester	Code	Course	Hard core/Soft Core	L+T+P	Credit value	Remarks
Even 2	B01	Continuum Mechanics and Relativity	HC	3+0+ 0	3	
	B02	Thermal Physics	HC	3+0+ 0	3	
	B03	Quantum Mechanics 1	HC	3+0+ 0	3	
	B04	Spectroscopy and Fourier Optics	HC	3+0+ 0	3	
	B05	Computer Lab CL B	HC	0+0+2	2	
	B06	Optics Lab	HC	0+0+4	4	
	B07	Electronics Lab	HC	0+0+4	4	

Semester	Code	Course	Hard core/Soft Core	L+T+P	Credit value	Remarks
Even 4	D01	Quantum Mechanics – II	HC	3+1+ 0	4	
	D02	Condensed Matter Physics Lab[a]	HC	0+0+4	4	
	D03	Nuclear And Particle Physics Lab[b]	HC	0+0+4	4	
	D04	Nuclear Physics – II*	SC	3+0+0	3	
	D05	Nuclear Physics – III*	SC	3+0+0	3	
	D06	Nuclear Physics Lab – II*	SC	0+0+2	2	
	D07	Solid State Physics – II**	SC	3+0+0	3	
	D08	Solid State Physics – III**	SC	3+0+0	3	
	D09	Solid State Physics Lab-II**	SC	0+0+2	2	
	D10	Theoretical Physics -II[§]	SC	3+0+0	3	
	D11	Theoretical Physics -III[§]	SC	3+0+0	3	
	D12	Theoretical Physics Lab-II[§]	SC	0+0+2	2	
	D13	Nuclear Spectroscopy Methods	SC	3+0+0	3	
	D14	Modern Optics	SC	3+0+0	3	
	D15	Electronics	SC	3+0+0	3	
	D16	Minor Project	SC	2+0+2	4	

Note:
[a] For students who have completed C03   [b] For students who have completed C04
* Compulsory for students who have completed C05 ** Compulsory for students who have completed C07
§ Compulsory for students who have completed C09

UNIVERSITY OF MYSORE, DEPARTMENT OF STUDIES IN PHYSICS, MANASAGANGOTHRI, MYSORE

Semester	Code	Course	Hard core/ Soft Core	L+T+P	Credit value	Remarks
Odd 3	ESC	Energy Science	OE	3+1+ 0	4	
Even 2	MDP	Modern Physics	OE	3+1+ 0	4	
Even 4	RPD	Radiation Physics & Dosimetry	OE	3+1+ 0	4	

Name of the Department: Economics & Co-operation

Program: MA in Economics

Semester : ODD (I & III Semester)

Semester	Code	Course	Hard Core/Soft Core	LTP	Credit Value	Remarks
I Semester	86501	Advanced Micro Economics	HC	3+1+0	4	
"	86502	Advanced Macro Economics	HC	3+1+0	4	
"	86503	Mathematics & Statistics for Economists	HC	3+1+0	4	
"	86504	Indian Economy	HC	3+1+0	4	
"	86505	Banking & Finance	SC	3+1+0	4	
"	86506	Economics of Health	SC	3+1+0	4	
"	86507	Agricultural Economics- I	SC	3+1+0	4	
"	86508	Labour Economics- I	SC	3+1+0	4	
III Semester	86551	Methods of Data Analysis	HC	2+1+0	3	
"	86552	International Trade - Theory & Policy	HC	3+1+0	4	
"	86543	Theory of Econometrics	HC	3+1+0	4	
"	86546	Infrastructure Economics - I	SC	3+1+0	4	
"	86548	Gender Economics - I	SC	3+1+0	4	
"		Natural Resource and Environmental Economics -I	SC	3+1+0	4	

Name of the Department: Economics & Co-operation
Program: MA in Economics
Semester : Even (II & IV Semester)

Semester	Code	Course	Hard Core/Soft Core	LTP	Credit Value	Remarks
II Semester	86521	Development Economics	HC	3+1+0	4	
"	86529	Public Economics : Theory & Policy	HC	3+1+0	4	
"	86530	Monetary Economics	HC	3+1+0	4	
"	86525	Management Accounting	SC	3+1+0	4	
"	86524	Research Methodology	SC	3+1+0	4	
"	86533	Agricultural Economics- II	SC	3+1+0	4	
"	86534	Labour Economics- II	SC	3+1+0	4	
IV Semester	86561	International Finance & Business	HC	2+1+0	3	
"	86570	Managerial Economics	HC	2+1+0	3	
"	86571	Welfare Economics	HC	2+1+0	3	
"	86565	Infrastructural Economics-II	SC	3+1+0	4	
"	86567	Gender Economics - II	SC	3+1+0	4	
"		Natural Resource and Environmental Economics -II	SC	3+1+0	4	
"	86568	Applied Econometrics	SC	3+1+0	4	
"	86576	Computer Applications to Economics	SC	3+1+0	4	
"	PRJ	Term Project			4	

MA in Economics
Open Electives:

Semester	Code	Course	LTP	Credit Value	Remarks
Odd I- Nil & III	1. 86557 2.	1. Rural Development in India 2. Environmental Economics	3+1+0 3+1+0	4 4	
Even II & IV	1. 86550 2. 86577 3. 86569	1.Indian Economy 2.Indian Financial Institutions & Markets 3.Economics of Globalization	3+1+0 3+1+0 3+1+0	4 4 4	

Semester :Odd (I & III Semester)

Semester	Code	Course	Hard Core/Soft Core	LTP	Credit Value	Remarks
I Semester	88701	Economic Analysis	HC	3+1+0	4	
"	88702	Business Mathematics	HC	3+1+0	4	
"	88703	Theory of Co-operation	HC	3+1+0	4	
"	88704	Co-operative Movement in India	HC	3+1+0	4	
"	88705	Third Sector and the Economy	SC	3+1+0	4	
"	88706	Rural Development and	SC	3+1+0	4	
"	88707	Agricultural Economics-	SC	3+1+0	4	
III Semester		Co-operative Accounting	HC	3+1+0	4	
"		Research Methodology	HC	2+1+0	3	
"		Management of Non-Credit Cooperatives	HC	3+1+0	4	
"		Human Resource Management	SC	3+1+0	4	
"		Co-operation and Rural Development	SC	3+1+0	4	
"		Co-operative Governance	SC	3+1+0	4	

Semester Even (II & IV Semester)

Semester	Code	Course	Hard Core/Soft Core	LTP	Credit Value	Remarks
II Semester	88721	Co-operative Management	HC	3+1+0	4	
"	88722	Management of Credit Co-operatives	HC	3+1+0	4	
"	88723	Co-operative Law	HC	3+1+0	4	
"	88724	Business Statistics	SC	3+1+0	4	
"		Managerial Economics	SC	3+1+0	4	
"		Indian Economy	SC	3+1+0	4	
IV Semester		Finance Management of Co-operatives	HC	2+1+0	3	
"		Co-operative Auditing	HC	2+1+0	3	
"		Computer - Tally	HC	2+1+0	3	

		Management Information System	SC	3+1+0	4	
,,		Comparative Co-operative Systems of Selected Countries	SC	3+1+0	4	
,,		Management of Dairy Co-operatives	SC	3+1+0	4	

MA in Co-operative Management
Open Electives:

Semester	Course	LTP	Credit Value	Remarks
Odd I- Nil & III	Co-operative Banking	3+1+0	4	
Even II &IV	Co-operative Management Institutions & Rural Development	3+1+0 3+1+0	4 4	

Name of the Department : **JAINOLOGY AND PRAKRITS**
Course : **M.A.**
I Semester

SL.No	Code	Title	Type	L	T	P	Credit
1.	82601	Doctrines of Jainism –I (Tattvartha Sutra 1-5 Chapters)	Hard core	3	1	-	4
2.	82602	Jaina Ethics –I (Sharavakachara	Hard Core	3	1	-	4
3.	82603	Elements of Prakrit Grammar.	Hard core	3	1	-	4
4.	82612	Study of Jaina Center: Shravanabelagola	Hard core	3	1	-	4
5.	82613	Life Sketch of Tirthankara Rishabha	Soft core (any one)	3	1	-	4
6.	82614	Life Sketch of Tirthankara Mahaveera	Soft Core (any one)	3	1	-	4

II Semester

SL.No	Code	Title	Type	L	T	P	Credit
1.	82621	Doctrines of Jainism –II (Tattvartha Sutra 6-10 Chapters)	Hard Core	3	1	-	4
2.	82622	Jaina Ethics- II Muniacara	Hard Core	3	1	-	4
3.	82632	Prakrit Language and its Classification	Hard Core	3	1	-	4
4.	82633	Jaina and Other Darshanas	Soft Core (any one)	3	1	-	4
5.	82634	Study of Dasavaikalika Sutra	Soft Core (any One)	3	1	-	4

III Semester

SL.No	Code	Title	Type	L	T	P	Credit
1.	82641	Doctrines of Jainism – III	Hard core	3	1	-	4
2.	82642	History of Jainism	Hard core	3	1	-	4
3.	82643	Prakrit Canonical Literature	Hard Core	3	1	-	4
4.	82644	Study of Anupreksha	Soft Core (any one)	3	1	-	4
5.	82645	Study of Aradhana Samuccaya	Soft Core (any one)	3	1	-	4

IV Semester

SL.No	Code	Title	Type	L	T	P	Credit
1.	82661	Doctrines of Jainism – IV (Panchastikaya	Hard core	3	1	-	4
2.	82662	Prakrit Literature of Karnataka	Hard Core	3	1	-	4
3.	82663	Dissertation	Hard core	1	3	-	4
4.	82664	Apabhramsha Language and Literature	Soft core (any one)	3	1	-	4
5.	82665	Narrative Literature of Prakrit	Soft core (any one)	3	1	-	4

II Semester

SL.No	Code	Title	Type	L	T	P	Credit
1.	82635	Jainism in Karnataka	Open Electives (any one)	3	1	-	4
2.	82636	Jainism in Tamilnadu	Open Electives (any one)	3	1	-	4

III Semester

SL.No	Code	Title	Type	L	T	P	Credit
1.	82646	Ahimsa- Universal Practice	Open Electives (any one)	3	1	-	4
2.	82647	Study of Ratnatraya	Open Electives (any one)	3	1	-	4

IV Semester

SL.No	Code	Title	Type	L	T	P	Credit
1.	82666	Contribution of Jainism to Kannada Literature	Open Electives (any one)	3	1	-	4
2.	82667	Contribution of Jainism to Sanskrit Literature	Open Electives (any one)	3	1	-	4

Name of the Department : **Biotechnology**

Course : **MSc Biotechnology**

Semester: ODD (I and III Semester)

Semester	Code	Course	HardCore/ Softcore	LTP	Credit Value	Remarks
I	80701	Biophysics and Structural Biology	HardCore	3:1:0	4	
	80702	Bioanalytical Techniques	HardCore	3:1:0	4	
	80707	Microbiology	HardCore	3:1:0	4	
	PR	Practical-1	HardCore	0:0:6	6	
	80708	Enzymology & Metabolism	Softcore	3:1:0	4	
	80709	Cancer Biology	Softcore	3:1:0	4	
III	80741	Biostatistics & Bioinformatics	HardCore	3:1:0	4	
	80742	Immunotechnology	HardCore	3:1:0	4	
	PR	Practical-3	HardCore	0:0:4	4	
	80748	Bioprocess Technology	Softcore	3:1:0	4	
	80749	Cell Signalling & Communication	Softcore	3:1:0	4	

Semester: EVEN (II and IV Semester)

Semester	Code	Course	HardCore/ Softcore	LTP	Credit Value	Remarks
II	80722	Advanced Molecular Biology	HardCore	3:1:0	4	
	80723	Gene Technology	HardCore	3:1:0	4	
	PR	Practical-2	HardCore	0:0:4	4	
	80721	Food & Environmental Biotechnology	Softcore	3:1:0	4	
	80725	Molecular Genetics	Softcore	3:1:0	4	
IV	80761	Plant Biotechnology	HardCore	3:1:0	4	
	80762	Animal Biotechnology	HardCore	3:1:0	4	
	PR	Practical-4	HardCore	0:0:4	4	
	PRJ	Project work	HardCore	0:0:8	8	
	80763	Seed Health & Diagnostics	Softcore	3:1:0	4	
	80764	Molecular Biodiversity	Softcore	3:1:0	4	

OPEN ELECTIVE

Semester	Course	LTP	Credit Value	Remarks
Odd I and III	Applied Biotechnology	3:1:0	4	
Even II and IV	Applied Biotechnology	3:1:0	4	

Name of the Department   : **KANNADA /FOLKLORE**

Program   : M. A.

Semester   : ODD (I and III Semester)

Semester	Paper	Q P Code	Hard Core/ Soft Core	L	T	P	Credit Value	Remarks
FIRST SEMESTER	PERSPECTIVES OF FOLKLORE	85501	HC	03	02	00	04	
	FOLK LITERATURE (GENRES)	85502	HC	03	02	00	04	
	FOLKLORE & COMMUNICATION	85504	HC	03	02	00	04	
	A. FOLK RITUALS	85503	SC	03	02	00	04	
	B. REGIONAL FOLKLOE OF KARNATAKA	85512	SC	03	02	00	04	
	C. FOLKLORE STUDIES IN SOUTH INDIA	85513	SC	03	02	00	04	
	D. ORAL HISTORY	85514	SC	03	02	00	04	

Semester	Paper	Q P Code	Hard Core/ Soft Core	L	T	P	Credit Value	Remarks
THIRD SEMESTER	FOLKLORE THEORIES - II	85547	HC	03	02	00	04	
	FOLKLORE RESEARCH METHODOLOGY	85548	HC	03	02	00	04	
	FOLKLORE IN THE CHANGING WORLD	85549	HC	03	02	00	04	
	A. KARNATAKA FOLK THEATRE	85550	SC	03	02	00	04	
	B. GENDER AND FOLKLORE	85551	SC	03	02	00	04	

Semester   : EVEN (II and IV Semester)

Semester	Paper	Q P Code	Hard Core/ Soft Core	L	T	P	Credit Value	Remarks
SECOND SEMESTER	FOLKLORE THEORIES – I	85527	HC	03	02	00	04	
	FOLK SPEECH	85521	HC	03	02	00	04	
	KARNATAKA FOLKARTS : THEORY AND PRACTICE	85522	HC	03	02	00	04	
	A. THE STUDY OF INDIAN FOLKLORE	85528	SC	03	02	00	04	
	B. RURAL FOLK AND RURAL ECONOMY	85524	SC	03	02	00	04	

Semester	Paper	Q P Code	Hard Core/ Soft Core	LTP			Credit Value	Remarks
				L	T	P		
FOURTH SEMESTER	FOLK TECHONOLOGY	85566	HC	03	02	00	04	
	APPLIED FOLKLORE	85567	HC	03	02	00	04	
	MINOR PROJECT	PRJ	HC	00	02	06	04	
	A. FOLKLORE ARCHIVES MUSEUM	85568	SC	03	02	00	04	
	B. TRIBALORE OF SOUTH INDIA	85569	SC	03	02	00	04	

OPEN ELECTIVE (ODD AND EVEN SEMESTER)

II Sem	FOLK CULTURE : AN INTRODUCTION	85525	OE	03	02	00	04	
III Sem	FOLKLORE : AN INTRODUCTION	85552	OE	03	02	00	04	
IV Sem	KARNATAKA FOLK CULTURE : AN INTRODUCTION	85570	OE	03	02	00	04	

Name of the Department : COMMERECE

Course : M.Com.

MINIMUM CREDITS REQUIRED FOR M.COM. DEGREE

I to IV Semesters	HARD CORE COURSE		SOFT CORE COURSE		OPEN ELECTIVE COURSE		TOTAL	
	Numbers	Credits	Numbers	Credits	Numbers	Credits	Numbers	Credits
	11	48	5	20	2	8	18	76

MINIMUM CREDITS TO BE REGISTERED BY A STUDENT IN A NORMAL PHASE TO SUCESSFULLY COMPLETE   M.COM. DEGREE IN FOUR SEMESTERS

Semesters	HARD CORE COURSE		SOFT CORE COURSE		OPEN ELECTIVE COURSE		TOTAL	
	Numbers	Credits	Numbers	Credits	Numbers	Credits	Numbers	Credits
I	4	16	1	4	-	-	5	20
II	3	12	1	4	1	4	5	20
III	2	08	2	8	1	4	5	20
IV	2	12	1	4	-	-	3	16
TOTAL	11	48	5	20	2	8	18	76

MINIMUM CREDITS TO BE REGISTERED BY A STUDENT IN A NORMAL PHASE TO SUCESSFULLY COMPLETE   M.COM. DEGREE IN ODD AND EVEN SEMESTERS

Semesters	HARD CORE COURSE		SOFT CORE COURSE		OPEN ELECTIVE COURSE		TOTAL	
	Numbers	Credits	Numbers	Credits	Numbers	Credits	Numbers	Credits
ODD	6	24	3	12	1	4	10	40
EVEN	5	24	2	08	1	4	08	36
TOTAL	11	48	5	20	2	8	18	76

Continuous Assessment:
Continuous assessment shall be conducted by the course teacher for the course he/she is teaching according to the following schedule

C₁				

C_1				
Week	2nd	4th	6th	8th	Total
Marks	10	15	10	15	50

50% of the marks scored out of 50 marks assessed is the marks of C_1

C_2					
Week	10th	12th	14th	16th	Total
Marks	10	15	10	15	50

50% of the marks scored out of 50 marks assessed is the marks of C_2

Continuous Assessment Criteria:

D0S IN COMMERECE

COURSE : MBI TECH

MINIMUM CREDITS REQUIRED FOR MBI TECH DEGREE

I to IV Semesters	HARD CORE COURSE		SOFT CORE COURSE		OPEN ELECTIVE COURSE		TOTAL	
	Numbers	Credits	Numbers	Credits	Numbers	Credits	Numbers	Credits
	11	48	5	20	2	8	18	76

MINIMUM CREDITS TO BE REGISTERED BY A STUDENT IN A NORMAL PHASE TO SUCESSFULLY COMPLETE M.B.I.TECH. DEGREE IN FOUR SEMESTERS

Semesters	HARD CORE COURSE		SOFT CORE COURSE		OPEN ELECTIVE COURSE		TOTAL	
	Numbers	Credits	Numbers	Credits	Numbers	Credits	Numbers	Credits
I	4	16	1	4	-	-	5	20
II	3	12	1	4	1	4	5	20
III	2	08	2	8	1	4	5	20
IV	2	12	1	4	-	-	3	16
TOTAL	11	48	5	20	2	8	18	76

MINIMUM CREDITS TO BE REGISTERED BY A STUDENT IN A NORMAL PHASE TO SUCESSFULLY COMPLETE M.B.I.TECH. DEGREE IN ODD AND EVEN SEMESTERS

Semesters	HARD CORE COURSE		SOFT CORE COURSE		OPEN ELECTIVE COURSE		TOTAL	
	Numbers	Credits	Numbers	Credits	Numbers	Credits	Numbers	Credits
ODD	6	24	3	12	1	4	10	40
EVEN	5	24	2	08	1	4	08	36
TOTAL	11	48	5	20	2	8	18	76

Name of the Department : COMMERECE

COURSE : M.F.M.

MINIMUM CREDITS REQUIRED FOR M.F.M DEGREE

I to IV Semesters	HARD CORE COURSE		SOFT CORE COURSE		OPEN ELECTIVE COURSE		TOTAL	
	Numbers	Credits	Numbers	Credits	Numbers	Credits	Numbers	Credits
	11	48	5	20	2	8	18	76

MINIMUM CREDITS TO BE REGISTERED BY A STUDENT IN A NORMAL PHASE TO SUCESSFULLY COMPLETE   M.F.M.. DEGREE IN FOUR SEMESTERS

Semesters	HARD CORE COURSE		SOFT CORE COURSE		OPEN ELECTIVE COURSE		TOTAL	
	Numbers	Credits	Numbers	Credits	Numbers	Credits	Numbers	Credits
I	4	16	1	4	-	-	5	20
II	3	12	1	4	1	4	5	20
III	2	08	2	8	1	4	5	20
IV	2	12	1	4	-	-	3	16
TOTAL	11	48	5	20	2	8	18	76

MINIMUM CREDITS TO BE REGISTERED BY A STUDENT IN A NORMAL PHASE TO SUCESSFULLY COMPLETE   M.F.M. DEGREE IN ODD AND EVEN SEMESTERS

Semesters	HARD CORE COURSE		SOFT CORE COURSE		OPEN ELECTIVE COURSE		TOTAL	
	Numbers	Credits	Numbers	Credits	Numbers	Credits	Numbers	Credits
ODD	6	24	3	12	1	4	10	40
EVEN	5	24	2	08	1	4	08	36
TOTAL	11	48	5	20	2	8	18	76

Name of the Department: Environmental Science
Course: M.Sc.

Semester: I

Paper Code	Title of the Course	HC/SC/OE	L	T	P	Credit	Name of the faculty
81902	Environmental Chemistry	HC	2	1	1	4	
81909	Earth & Environment	HC	2	1	1	4	
81910	Environmental Microbiology	HC	2	1	1	4	
81911 81912 & 81913	**Any two papers:** 1. Energy and Green Technologies 2. Water and Waste Water Management 3. Environmental Biotechnology	SC-1 SC-2 SC-3	2 2 2	1 1 1	1 1 1	4 4 4	
Semester: I I							
81929	Environmental Toxicology	HC	2	1	1	4	
81939	Occupational Health Hazards	HC	2	1	1	4	
81931	Climate change & Current issues	HC	3	1	0	4	
81932 & 81933	Air and Noise Pollution OR Radiation Pollution, GIS & Remote Sensing	SC SC	2 2	1 1	1 1	4 4	
Semester: III							
81941	Environmental Biology	HC	2	1	1	4	
81942	Solid Waste Management	HC	2	1	1	4	
81943	Environmental Laws, Policy & Planning	HC	3	1	0	4	
81944 & 81945	Advanced Instrumentation OR Envirnmental Impact Assessment and Environmental Audit	SC SC	2 3	1 1	1 0	4 4	
Semester: IV							
81961	Conservation of Biodiversity	HC	2	1	1	4	
	Major Project work	HC	0	2	6	8	
81962 & 81963	Environmental Education & Awareness **OR** Environmental Disaster Management	SC SC	3 3	1 1	0 0	4 4	

Open Elective Papers*

Paper Code	Title of the Course	HC/SC/OE	L	T	P	Credit	Name of the faculty
81906	Environment and Health	OE	3	1	0	4	Open Elective to be offered in each semester is decided by the Deparatment Council
	Ecotourism and Wild Life Management	OE	3	1	0	4	
95033	Environmental Pollution and Management	OE	3	1	0	4	
	Environmental Planning & Sustainable development	OE	3	1	0	4	
	Nuclear & Bio Medical Waste Management	OE	3	1	0	4	
81946	Ecology & Environment	OE	3	1	0	4	

Name of the Department : EDUCATION
Course: M.ED

SEMESTER: I

Code	TITLE OF THE COURSE	HC/SC/E /PR.,/ETC.	L	T	P	CREDIT	
86201	Advanced Educational Psychology – I	HC	2	1	0	3	
86202	Educational Thoughts and Practices	HC	2	1	0	3	
86203	Research Methodology and Data Analysis – I	HC	2	1	0	3	
86204	Information Communication and Technology in Education	SC	2	1	0	3	
86205	Teacher Education	SC	2	1	0	3	
86207	Technology of Teaching	SC	2	1	0	3	
86206	Education and Human Resource Development	SC	2	1	0	3	
86208	Curriculum Development	SC	2	1	0	3	
86209	Educational Management	SC	2	1	0	3	
86210	Principles and Techniques of Guidance	SC	2	1	0	3	
86217	Education of the Challenged – I	SC	2	1	0	3	
	Personality Development Practicum	HC	0	0	1	2	
	Dissertation Proposal	HC	0	2	0	2	
	Total Number of Credits					18	

SEMESTER : II

Code	TITLE OF THE COURSE	HC/SC/E/PR,/ETC.	L	T	P	CREDIT	
86221	Advanced Educational Psychology – II	HC	2	1	0	3	
86222	Education – System, Policies and Programs	HC	2	1	0	3	
86223	Research Methodology and Data Analysis – II	HC	2	1	0	3	
86224	Information Communication and Technology in Education	SC	2	1	0	3	
86225	Teacher Education	SC	2	1	0	3	
86226	Knowledge Management	SC	2	1	0	3	
86227	Elementary Education	SC	2	1	0	3	
86228	Education : Assessment and Evaluation	SC	2	1	0	3	
86229	Educational Planning and Finance	SC	2	1	0	3	
86230	Counseling – Principles and Processes	SC	2	1	0	3	
86231	Education of the Challenged – II	SC	2	1	0	3	
	Teacher Education Practcum	HC	0	0	2	2	
	Educational Psychology Practcum	HC	0	0	1	1	
	Deissertation Report	HC	0	2	0	4	
	Total Number of Credits					22	

Open Electives (Any one each in odd semester and even semester may be opted by the students of other Departments in and outside the campus)							
	Personality Development Practicum		0	0	1	1	
	Education : Assessment and Evaluation		3	1	0	4	
	Higher Education		3	1	0	4	
	Peace Education		3	1	0	4	
	Life Long Education		3	1	0	4	

Name of the Department: GEOGRAPHICAL INFORMATION SYSTEMS

Course: M.Sc. In GIS

Semester: I

Paper Code	Title of the Course	HC/SC/OE	L	T	P	Credit	
82207	Fundamentals of Geographical Information Systems and Global Positioning Systems	SC	3	1	0	4	
82208	Manual and cyber cartography	HC	3	1	0	4	
82209	Maps and Mapping Techniques	HC	0	1	3	4	
82210	Computer Applications in Geography	SC	3	1	0	4	
82211	Applied Geomorphology	SC	3	1	0	4	
82212	Land Use and Land Evaluation	SC	3	1	0	4	

Semester: II

Paper Code	Title of the Course	HC/SC/OE	L	T	P	Credit	
82221	Remote Sensing Analysis and Interpretation	HC	3	1	0	4	
82222	Advancing Remote Sensing Analysis	HC	0	1	3	4	
82223	Minor Project (Compulsory)	HC	0	1	2	3	
82224	Geography of Networks Analysis	SC	3	1	0	4	
82225	Qualitative and Quantitative research Methods	SC	3	1	0	4	
82226	Participatory Urban Planning and Development	SCI	3	1	0	4	

Semester: III

Paper Code	Title of the Course	HC/SC/OE	L	T	P	Credit	
82221	Geographical Information Systems and Global Positioning	HC	3	1	0	4	
82221	Climate Change and Geo informatics	HC	2	1	1	4	
82221	Advanced GIS and GPS Applications	HC	0	1	2	3	
82221	Natural Resources Management and Conservation	SC	3	1	0	4	
82221	Developing Sustainability Research	SC	3	1	0	4	
82221	Research methodology for a Sustainable Development Expert	OE	3	1	0	4	

Semester: IV

Paper Code	Title of the Course	HC/SC/OE	L	T	P	Credit	
1.	Internship- Compulsory for 8 weeks at an appropriate Government or private corporate institution	HC		1	3	4	
2.	Project-(one term Major Research)	HC		1	5	6	
3.	ECOTOURISM	OE	3	1		4	

Name of the Department : Department of Studies in English

Courses : MA (Four Semesters)

Odd Semesters (I Sem. and III Sem.)

I Semester:

Semester	Code	HardCore/Soft Core	LTP	Credit Value	Remarks
FIRST	81801	English Literature from Chaucer to Milton (HC)	3:2:0	4	
	81812	The Elizabethan Age (HC)	3:2:0	4	
	81813	17th and 18th Century English Literature(HC)	3:2:0	4	
	81805	Cross Cultural Women Writers(SC) at MGM	3:1:1	4	
	81803	Dalit Literature-I (SC) at MGM	3:1:1	4	
		Feminism(SC) at MGM	3:1:1	4	
	81809	English Essayists(SC) at Mandya PG Centre	3:1:1	4	
	81807	Introduction to Australian Literature (SC)at Hassan PG Centre	3:1:1	4	
	81808	Indian Classics (Fiction) (SC) at Hassan PG Centre	3:1:1	4	

III Semester:

Semester	Code	HardCore/Soft Core	LTP	Credit Value	Remarks
THIRD		The Modern Age Part I (HC)	3:2:0	4	
		Indian Writing in English Part II(HC)	3:2:0	4	
		New Literatures in English(HC)	3:2:0	4	
	81854	Novels of Childhood(SC) at MGM	3:1:1	4	
	81855	Folklore and Literature (SC) at MGM	3:1:1	4	
		Cultural Theory(SC)at MGM	3:1:1	4	
	81856	Women's Writings from the Margins(SC) at MGM		4	
		Indian Novels in English (SC)at Mandya PG Centre	3:1:1	4	

	81859	Indian Women Novelists in English (SC)at Hassan PG Centre	3:1:1	4	
	81860	Literature and Popular Culture (SC) at Hassan PG Centre	3:1:1	4	
		Open Elective: Introduction to English Literature (OE) at MGM	3:1:1	4	

Even Semesters (II Sem. and IV Sem.)

II Semester:

Semester	Code	HardCore/Soft Core	LTP	Credit Value	Remarks
SECOND	81833	19th Century English Literature (HC)	3:2:0	4	
	82834	Literary Criticism-I (HC)	3:2:0	4	
	81835	Indian Writing in English-I (HC)	3:2:0	4	
	81825	Dalit Literature-II (Autobiographies) (SC) at MGM	3:1:1	4	
	82826	Caribbean Fiction and Poetry (SC) at MGM	3:1:1	4	
	81836	Myth and Drama-I (SC) at MGM	3:1:1	4	
	81828	African American Fiction (SC) at MGM	3:1:1	4	
	81837	Twentieth Century Indian Poetry in English (SC) at Mandya PG Centre	3:1:0	4	
	81831	Short Fiction by Indian Women writers in Translation (SC)at Hassan PG Centre	3:1:0	4	
	81832	American Western Fiction(SC) at Hassan PG Centre	3:1:0	4	
	81811	Open Elective: Written and Spoken English (OE) at MGM	3:1:1	4	

IV Semester:

Semester	Code	Hard Core/Soft Core	LTP	Credit Value	Remarks
FOURTH	81881	The Modern Age-II (HC)	3:2:0	4	
		Literary Criticism-II (HC)	3:2:0	4	

		American Literature(HC)	3:2:0	4	
		Major Project work (Dissertation)	2:2:2	4	
		Canada and the World (SC) at MGM	3:1:1		
		Myth and Drama-II (SC) at MGM	3:1:1	4	
		Canadian Science Fiction by Women (SC) at Mandya PG Centre	3:1:1	4	
		Indian Fiction in English and in Translation (SC) at Hassan PG Centre	3:1:1	4	

Note: Other approved Soft Core Papers will be offered subject to availability of teachers.

Name of the Department : **Political Science**
Course : **M.A.**

III Papers Prescribed to be offered in to the Students of 2011-12 batch:

I Semester

Sl. No.	Title of the Course	HC/SC/ OE/Prj./	L	T	P	Total Credit	Name of the faculty
1	Contemporary Political Theories	HC	3	1	0	04	Mr.M.Jameel Ahmed
2	Administrative Theories	HC	3	1	0	04	Prof. Midatala Rani
3	Theories of International Relations	HC	3	1	0	04	Dr. Krishna R. Hombal
4	Democratic Theory	SC	3	1	0	04	Guest Faculty
5	Theories of Organization & Management	SC	3	1	0	04	Dr.G.T.Ramachandrappa
6	Theories of Development	SC	3	1	0	04	Guest Faculty

II Semester

Sl. No.	Title of the Course	HC/SC/ OE/Prj./	L	T	P	Total Credit	Name of the faculty
1.	Western Political Thought	HC	3	1	0	04	Dr.G.T.Ramachandrappa
2	Ancient and Medieval Political Thought	HC	3	1	0	04	Prof. Muzaffar H. Assadi
3	Contemporary Political Thought	HC	3	1	0	04	Guest Faculty
4	Marxist and Socialist Political Thinkers	SC	3	1	0	04	Guest Faculty
5	Political Ideologies	SC	3	1	0	04	Mr.M.Jameel Ahmed
6	Ambedkar and Deprived Caste Movement	OE	3	1	0	04	Prof. D.A.Mane

III Semester

Sl. No.	Title of the Course	HC/SC/ OE/Prj./	L	T	P	Total Credit	Name of the faculty
1	Comparative Government Politics	HC	3	1	0	04	Dr.G.T.Ramachandrappa
2	Modern Political Analysis	HC	3	1	0	04	Prof. D.A.Mane
3	Karnataka Government and Politics	HC	3	1	0	04	Prof. Midatala Rani
4	Issues in Indian Constitution	SC	3	1	0	04	Guest Faculty
5	Governance and Society in India	SC	3	1	0	04	Dr. Krishna R. Hombal
6	Political Sociology of India	OE	3	1	0	04	Prof. Muzaffar H. Assadi

IV Semester

Sl. No.	Title of the Course	HC/SC/ OE/Prj./	L	T	P	Total Credit	Name of the faculty
1	Research Methodology and Computer Application	HC	3	1	0	04	Dr.G.T.Ramachandrappa
2	Human Rights Theory and Practice	HC	3	1	0	04	Dr. Krishna R. Hombal
3	Minor Project	HC	3	1	0	04	Department Faculty
4	International Law	SC	3	1	0	04	Mr.M.Jameel Ahmed
5	International Organization and Administration	SC	3	1	0	04	Guest Faculty
6	Globalization	OE	3	1	0	04	Prof. Muzaffar H. Assadi

[Prof.Midatla Rani]
Professor & Chairperson

III Papers Prescribed to be offered in to the Students of 2011-12 batch:

Public Administration - I Semester

Sl. No.	Title of the Course	HC/SC/ OE/Prj./	L	T	P	Total Credit	Name of the faculty
1	Public Administration	HC	3	1	0	04	Dr.G.T.Ramachandrappa
2	Administrative Thought	HC	3	1	0	04	Prof. Midatala Rani
3	Indian Administration	HC	3	1	0	04	Guest Faculty
4	Human Resource Development and Management	SC	3	1	0	04	Guest Faculty
5	Planning and Development	SC	3	1	0	04	Dr. Krishna R. Hombal
6	Social Welfare Administration	SC	3	1	0	04	Prof. D.A.Mane

II Semester

Sl. No.	Title of the Course	HC/SC/ OE/Prj./	L	T	P	Total Credit	Name of the faculty
1	Comparative Public Administration	HC	3	1	0	04	Prof. Midatala Rani
2	Development Administration	HC	3	1	0	04	Mr.M.Jameel Ahmed
3	Public Personnel Administration	HC	3	1	0	04	Prof.D.A.Mane
4	Political Economy of India	SC	3	1	0	04	Prof. Muzaffar H. Assadi
5	Financial Administration in India	SC	3	1	0	04	Guest Faculty
6	Globalization & Public Policy	OE	3	1	0	04	Guest Faculty