

225

PATNA UNIVERSITY

ORDINANCE

The 2 yr (Four Semesters) Post Graduate Degree course

M.Sc. Bio-Chemistry in the faculty of Science

Under

CHOICE BASED CREDIT SYSTEM (CBCS)

PREAMBLE:

The CBCS provides an opportunity for the students to choose courses from the prescribed list of courses comprising core, elective and ability enhancement courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Therefore, it is necessary to introduce uniform grading system in the entire higher education in India. This will benefit the students of universities of Bihar to move across institutions within India to begin with and across countries. The uniform grading system will also enable potential employers in assessing the performance of the candidates. The Universities shall follow the guidelines formulated by the UGC in order to bring uniformity in evaluation system and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations.

The Postgraduate degree of self financing course, under Faculty of Science shall be of four semesters spread over two years duration. The course shall be named as the 'Master of Science' course and shall be abbreviated as M.Sc.

1. General

- 1.1 The ORDINANCE and the REGULATIONS shall be called the 'Admission Ordinance and Regulations of Examination for Post-Graduate degree courses to be applicable in the Patna University.
- 1.2 These ordinance and regulations shall be effective from the academic session 2018-19.
- 1.3 The M.Sc. Course shall consist of 20 papers spread over four semesters consisting of Core Courses (CC), Elective Courses (EC), Discipline Specific Elective Courses (DSE), Ability Enhancing Courses (AEC) and Ability Enhancing Compulsory Courses (AECC) as described in Table. 2. There shall be five courses/ papers in first semester, six courses/papers in second semester, six courses/papers in third semester and three courses/papers in fourth semester; each course carrying 100 marks The entire curriculum shall be of 2000 marks taken together. However, the CGPA/class shall be awarded on the performance of the candidate on 16 papers which includes the 14 CC papers and two EC papers having an aggregate of 1600 marks.

P. Chandra
21-12-18

2. The subject:

Sl.No.	Name of the subject	Programme code	Study Centre
1	Biochemistry	M.Sc. (MSBCH)	

3. OUTLINE OF THE CHOICE BASED CREDIT SYSTEM (CBCS) for PG degree courses:

It consists of a number of courses i.e. Core Course (CC), Elective Course (EC), Discipline Specific Elective Course (DSE), Ability Enhancement Courses (AEC), and Ability Enhancement Compulsory Courses (AECC). The nature of these courses is defined below.

3.1.1 Core Course (CC):

A course which should compulsorily be studied by a candidate as a core requirement on the basis of subject of M.Sc. studies and is termed as a Core course.

3.1.2. Elective Course (EC):

Generally a course which can be chosen from a pool of courses (Basket) and which may be very specific or specialized or advanced or supportive to the subject/ discipline of study or which provides an extended scope or which enables an exposure to some other subject/discipline/domain or nurtures the candidate's proficiency/skill is called an Elective Course.

3.1.3 Discipline Specific Elective Course (DSE):

Elective courses may be offered by the main discipline/subject of study is referred to as **Discipline Specific Elective**. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).

3.1.4 Generic Elective (GE) Course:

An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective. **P.S.:** A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.

3.1.5 Ability Enhancement Courses (AEC):

The Ability Enhancement Courses (AEC) / Skill Enhancement Courses (SEC). "AEC" courses are the courses based upon the content that leads to life skill enhancement.

3.1.6 Ability Enhancement Compulsory Courses (AECC):

(Qualifying and Non-CGPA course):

University will run a number of **Ability Enhancement Compulsory Courses (AECC)** which is qualifying in nature and student from all faculties have to qualify in all courses.

Signature
21.12.18

3.1.7 Dissertation/Project/ Internship/ Industrial Training:

An elective course designed to acquire 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/faculty member is called dissertation/project.

3.2 CREDIT

The total minimum credits, required for completing a PG program is 100.

The details of credits for individual components and individual courses are given in Table.2.

Table 2: Structure of the 2 Yrs (Four Semesters) Post Graduate Degree course under CBCS:

Semester	No of COURSE/ Papers	Credit per COURSE/ paper	Total credit	Minimum No of Learning Hours#	No of CORE COURSE/ PAPER	No of ELECTIVE Course/ PAPER	Code & Nature of Elective Course/paper
I	05	05	25	250	4	1	AECC-1
SEMESTER BREAK							
II	06	05	30	300	5	1	AEC-1
SEMESTER BREAK							
III	06	05	30	300	5	1	AECC-2
SEMESTER BREAK							
IV	03	05	15	150	0	3	EC-1* EC-2* DSE-1 or GE-1
Total	20		100	1000	14	6	

#For Tutorial (T)/ Practical (P)/ Field Work (FW)/ Internship etc. extra working hour to be added as per requirement and will be decided by the BOCS of the respective subject.

* The two **Elective Courses (EC)** to be studied in semester IV may be **Both theory papers /One Theory paper and One Practical paper /One Theory paper and One Project work / One Theory paper and One Field work / Both Project work/ Internship**

IMP: It is desirable that all students of all courses be given adequate exposure over and above the class room teaching to enhance the scope of employability.

3.2.1. The distribution of the six elective papers shall be - two EC, one DSE or one GE, two AECC, one AEC. Students may opt for any elective course out of a list of elective papers (Basket) offered by the department or any other department/s as per his/her

Richard
21.12.18

choice with the prior permission of the parent department. The list of elective papers, syllabus and prerequisite of the elective course will be as decided by the Board of Courses of Studies (BOCS) of the concerned subject/ department.

3.2.2. The final CGPA class will be decided on the performance of the student in the 16 courses.

14 Core Courses (CC) and two EC

3.2.3 The one DSE or one GE, two AECC, one AEC papers will be qualifying in nature and a student has to score at least 45% marks in these papers. Grade will be awarded separately for these courses, however, performance in these elective courses/ papers will not be considered for awarding the final CGPA/class.

3.2.4 Ability Enhancement Compulsory Courses (AECC):

University will run two Ability Enhancement Compulsory Courses (AECC) which are qualifying in nature and a student has to qualify in both these courses. The courses are:

- AECC-1: Environmental Sustainability (3 Credit)
& Swachchha Bharat Abhiyan Activities (2 Credit)
- AECC-2: Human Values & Professional Ethics (3 Credit)
& Gender Sensitization (2 Credit)

Students will do assignments/project work related to institutional social responsibilities including Swachchha Bharat Abhiyan Activities during SEMESTER BREAK.

3.2.5 University will run a number of Ability Enhancement Courses (AEC) and Skill Enhancement Courses; a student can choose one from these. For example:

- Basket Ability Enhancement Courses (AEC)**
- Computers and IT Skill
 - Web Designing
 - Financial Risk Management/
 - Solid waste Management/
 - Mushroom Culture /
 - Bio-fertilizer production/
 - Environmental Law/
 - Tourism & Hospitality Management/
 - Life skill & skill development /
 - Yoga Studies /etc

3.2.6 Disciple

In each subject the CC/ paper - 5 being taught in the second semester will be open to be selected as a DSE paper. In the first phase a student will be allowed to choose a paper from any subject other than his/her Core Course (CC) from the same faculty in the same university.

3.2.7 Generic Elective (GE) Course:

University will run a number of Generic Elective Courses (GE); a student can choose one from these. For example:

- Basket of GE courses: - * Music * Dramatics**

*Per hand
21/12/18*

