

# PROPOSAL FOR THE CHOICE BASE CREDIT SYSTEM IN B.Sc. & M.Sc. courses

(As per Resolution passed by the Faculty of Science on 28<sup>th</sup>  
January 2015)

Choice based Credit System is one of the best accepted student centric educational reforms. A student is provided with an academically rich, highly flexible learning system blended with abundant provision for skill practice and activity orientation that he/she could learn in depth without sacrificing his/her creativity. A student can exercise the option to decide his/her own pace of learning – slow, normal or accelerated plan and sequence his/her choice of paper, learn to face challenges through term work/project work and may venture out to acquire extra knowledge and proficiency through add-on facilities. The great advantage is that the learning process is made continuous and the evaluation process is not only made continuous but also made learner-centric and is designed to recognize the capability and talent of a student. CBCS is a process of evolution of educational reforms that would yield the result in subsequent years and after a few cycles of its implementation.

There shall be the following three categories of courses in Undergraduate programme.

**I. Core Course:** A course which shall compulsorily be studied by a candidate to complete the requirement for Degree in a said programme of study. The core course shall further be divided into:

(a) Compulsory Core Courses : A course which has to be studied compulsorily as a part of Core requirement so as to get degree in a said discipline of study.

(b) Elective or Allied core courses: A course that supports/strengthens the Core Compulsory. For UG course:

**II Elective Course:** It is a course which can be chosen from the pool of courses. The course may be specific/specialized/supportive or advanced to the discipline of study. These courses are intended to nurture a candidate's proficiency.

(a) Generic Elective courses: Courses for the said discipline of study which can be chosen to add generic proficiency to the students.

(b) Open Elective courses are from the pool of courses that are Interdisciplinary and/or Multidisciplinary. For UG course:

**III. Skill Course:** It is a course that aims to improve proficiency and skill of the students. Students can choose skill courses of their choice from a pool of skill courses

**IV Foundation course :** These courses add generic proficiency to the students belonging to all disciplines of study. Elective foundation courses are mainly value based

1. No. of credits in each semester for UG Courses

S no	Course	Sem.-1	Sem.-II	Sem.-III	Sem.-IV	Sem.-V	Sem. VI	Total
<b>1</b>	<b>UG Pass Course</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>120</b>
a	Core-1	6	6	6	6	6	6	36
b	Core-II	6	6	6	6	6	6	36
c	Elective	4	4	4	4	4	4	24
d	Skill	2	2	2	2	2	2	12
e	Foundation	2	2	2	2	2	2	12
<b>2</b>	<b>UG Hons.</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>144</b>
a	Core-I	10	10	10	10	10	10	60
b	Core-II	6	6	6	6	6	6	36
c	Elective	4	4	4	4	4	4	24
d	Skill	2	2	2	2	2	2	12
e	Foundation	2	2	2	2	2	2	12

II. No. of credits in each semester for PG Courses

S no	Course	Sem.-1	Sem.-II	Sem.-III	Sem.-IV	Total
<b>1</b>	<b>Post Graduate</b>	<b>26</b>	<b>24</b>	<b>26</b>	<b>24</b>	<b>100</b>
a	Core	20	18	18	16	72
b	Elective	02	04	06	08	20
c	Skill	04	02	02		08

A candidate can complete the degree at a slow pace by registering a minimum of 12 credits in a semester for UG and 20 credits in a semester for PG or at an accelerated pace by registering 23 credits/semester for UG. A candidate may avail a maximum of two blank semesters in one stretch by paying a nominal fee for maintaining a blank semester.

**Three Years, Six semester B.Sc. (CBCS) programme (effective from session 2015-16 in all University departments and Affiliated colleges).**

Core courses: Two Subjects from the following subjects: Physics, Chemistry, Mathematics, Statistics, Geology, Botany, Zoology, Biotechnology, Computer Science, Microbiology, Environmental Sciences, Electronic Media

Elective courses:

Generic Electives : Physical Sciences, Chemical Science , Mathematical Sciences, Electronic Sciences (SFS), Nanoscience (SFS) , Earth Sciences, Life Sciences, Computer Applications(SFS), Electronic media(SFS)

Open Electives : Psychology (SFS), Visual Arts(SFS), Music (SFS), Philosophy(SFS), Mass communication (SFS)

### Skill courses

Computer Networking , Compute Hardware Maintenance and Installation, Web Design , Video Editing & production, Office automation and E-governance, Industrial Electronics, Mobile Repairing, Bio-physical instrumentation, Clinical Laboratory Techniques, Mineral Exploration, Mineral trading, Molecular Biology Techniques, Plant Biotechnology Techniques, Computational methods in Bioinformatics, Cloud computing, Business Analytics, E-commerce, Optical Fibre Technician, Desk top publishing etc.

### Foundation Course:

Compulsory: Environmental Science, Communication Skills in English

Elective: General Hindi, Extension Activities ( Any one of NSS, NCC, Social Work, Adult Education).

M.Sc. (CBCS) System.

Choice based credit system will be implemented in all subjects of M.Sc. (Semester) courses by providing following categories of courses

(a) Compulsory Core Courses A course which has to be studied compulsorily as a part of Core requirement so as to get PG degree in a said discipline of study. Average 18 Credits/semester will be offered from the Department

(b) Elective courses: A course that supports/strengthens the core compulsory. For PG course: Average: 5 credits/semester from department or from other departments

(c) Skill courses: PG level skill courses : Average: 2 credits /semester.



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