



SNU
SISTER NIVEDITA
UNIVERSITY

SCHOOL OF SCIENCE
B.Sc. (H) in Mathematics
(Under UGC – CBCS)

Credit Definition

Type	Duration (in Hour)	Credit
Lecture (L)	1	1
Tutorial (T)	1	1
Practical (P)	2	1

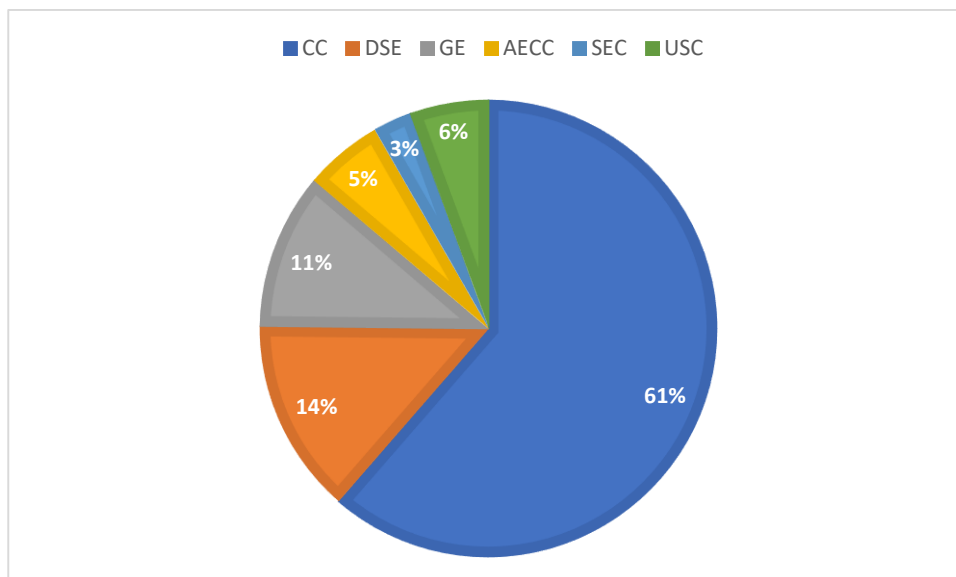
Total Credit

Year	Semester	Hr./Week	Credit
1 st	1 st	22	20
	2 nd	26	25
2 nd	3 rd	29	27
	4 th	31	26
3 rd	5 th	23	23
	6 th	36	24
Total			145

Category Codification with Credit Break up

Definition of Category	Code	No	Credit
Core Courses	CC	1	89
Discipline Specific Elective	DSE	2	20
General Elective	GE	3	16
Ability Enhancement Compulsory Course	AECC	4	8
Skill Enhancement Courses	SEC	5	4
University specified course	USC	6	8
Total			145

Category wise Credit Distribution



Subject Codification

Place value	1	2	3	4	5	6	7	8	9	10
Code	Course Category	Department Code	Program Code	Semester (for semester scheme)/Year(for annual scheme)			Subject Type (Theory/Practical/Sessional/Project/Internship)	Subject Serial Number		

SEMESTER: I

Mandatory Induction Program – Duration 3 weeks

- Physical Activity
- Creative Arts
- Universal Human Values
- Literary
- Proficiency Modules

Sl No	Course Title	Code	Credit	Type		
				L	T	P
1	Calculus, Geometry and vector analysis	1210011101	6	5	1	0
2	Probability and descriptive statistics + Lab	1210011302	6	3	1	4
3	Generic Elective	3210011101	4	4	0	0
4	Communicative English – I	4210011101	2	2	0	0
5	Foreign Language I	6210011101	2	2	0	0
Total Credit (CC: 12,GE: 4, AECC: 2, USC: 2)			20	22 (hrs./Week)		

SEMESTER: II

Sl No	Course Title	Code	Credit	Type		
				L	T	P
1	Linear algebra and vector calculus	1210012101	6	5	1	0
2	Ordinary differential equations and metric space	1210012102	6	5	1	0
3	Inferential Statistics, Regression and Anova with R Lab	2210012302	4	3	0	2
4	Generic Elective	3210012102	4	4	0	0
5	Communicative English – II	4210012102	2	2	0	0
6	Mentored Seminar – I	5210012601	1	1	0	0
7	Foreign Language II	6210012102	2	2	0	0
Total Credit (CC: 12, DSE: 4, GE: 4, AECC: 2, USC: 2, SEC:1)			25	26(hrs./Week)		

SEMESTER: III

Sl No	Course Title	Code	Credit	Type		
				L	T	P
1	Real Analysis	1210013101	6	5	1	0
2	Riemann Integration and series of function	1210013102	6	5	1	0
3	Object oriented programming with C++	2210013303	6	4	0	4
4	Generic Elective	3210013103	4	4	0	0
5	Environmental Science – I	4210013101	2	2	0	0
6	Mentored Seminar – II	5210013602	1	1	0	0
7	Foreign Language III	6210013103	2	2	0	0
Total Credit (CC: 12, DSE: 6, GE: 4, AECC: 2, USC: 2, SEC:1)			27	29 (hrs./Week)		

SEMESTER: IV

Sl No	Course Title	Code	Credit	Type		
				L	T	P
1	Operations Research	1210014301	5	3	1	2
2	Numerical Analysis	1210014302	6	3	1	4
3	BLOCKCAHAIN	2210014304	6	3	1	4
4	Generic Elective	3210014104	4	4	0	0
5	Environmental Science – II	4210014101	2	2	0	0
6	Mentored Seminar – III	5210014603	1	1	0	0
7	Foreign Language – IV	6210014104	2	2	0	0
Total Credit (CC: 11, DSE: 6, GE: 4, AECC: 2, USC: 2, SEC:1)			26	31 (hrs./Week)		

SEMESTER: V

Sl No	Course Title	Code	Credit	Type		
				L	T	P
1	Complex Analysis and Laplace Transform	1210015101	6	5	1	0
2	Elementary Mechanics and dynamical system	1210015102	6	5	1	0
3	Metric Spaces, PDE and Tensor Calculus	1210015103	6	5	1	0
4	Malware Analysis	2210015105	4	3	1	0
5	Mentored Seminar – IV	5210015604	1	1	0	0
Total Credit (CC: 18, DSE: 4, SEC:1)			23	23 (hrs./Week)		

SEMESTER: VI

Sl No	Course Title	Code	Credit	Type		
				L	T	P
1	Machine Learning algorithm	1210016301	6	3	1	4
2	Supervised learning with regression and classification techniques I	1210016302	6	3	1	4
3	Supervised learning with regression and classification techniques II	1210016304	6	3	1	4
4	Project	1210016506	6	0	0	12
Total Credit (CC: 24)			24	36 (hrs./Week)		