

**B.Sc three year (General) Programme with 144 credits
CBCS-Semester-Grading Pattern w.e.f June-2011**

General Pattern/Scheme of study components along with credits for science faculty

	Study Components	Ins. Hrs/ Week	Exam			Credit
			Internal	Uni. Exam	Total	
	Semester-I					
	Core Compulsory(cc)Course					
CC-I-1	Core Course-I(Paper-1)	4	30	70	100	4
CC-II-1	Core Course-II(paper-1)	4	30	70	100	4
CC-III-1	Core Course-III(Paper-1)	4	30	70	100	4
	Soft-skill:Practical core(PC)Course					
PC-I-1	Practical Core course-I (Paper-1)	4		50	50	2
PC-II-1	Practical Core course-II (Paper-1)	4		50	50	2
PC-III-1	Practical Core Course-III (Paper-1)	4		50	50	2
	Foundation Course (FC)					
FG-11	Compulsory English (L.L.)	2	15	35	50	2
	Elective course (EC)					
EG-11	Elective (Generic) Course	2		50	50	2
ES-11	Elective (Subject) Course	2		50	50	2
		30	105	495	600	24
	Semester-II					
	Core Compulsory(cc)Course					
CC-I-2	Core Course-I(Paper-2)	4	30	70	100	4
CC-II-2	Core Course-II(paper-2)	4	30	70	100	4
CC-III-2	Core Course-III(Paper-2)	4	30	70	100	4
	Soft-skill:Practical core(PC)Course					
PC-I-2	Practical Core course-I (Paper-2)	4		50	50	2
PC-II-2	Practical Core course-II (Paper-2)	4		50	50	2
PC-III-2	Practical Core Course-III (Paper-2)	4		50	50	2
	Foundation Course (FC)					
FG-12	Compulsory English (L.L.)	2	15	35	50	2
	Elective course (EC)					
EG-12	Elective (Generic) Course	2		50	50	2
ES-12	Elective (Subject) Course	2		50	50	2
		30	105	495	600	24

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	Semester-III					
	Core Compulsory(cc)Course					
CC-I-3	Core Course-I(Paper-3)	3	30	70	100	3
CC-I-4	Core Course-II(paper-4)	3	30	70	100	3
CC-II-3	Core Course-III(Paper-3)	3	30	70	100	3
CC-II-4	Core Course-II (Paper-4)	3	30	70	100	3
	Soft-skill:Practical core(PC)Course					
PC-I-3	Practical Core course-I (Paper-3)	3		50	50	1.5
PC-II-4	Practical Core course-II (Paper-4)	3		50	50	1.5
PC-II-3	Practical Core Course-III (Paper-3)	3		50	50	1.5
PC-II-4	Practical Core Course-III (Paper-4)	3		50	50	1.5
	Foundation Course (FC)					
FG-21	Compulsory English (L.L.)	2	15	35	50	2
	Elective course (EC)					
EG-21	Elective (Generic) Course	2		50	50	2
ES-21	Elective (Subject) Course	2		50	50	2
		30	135	615	750	24
	Semester-IV					
	Core Compulsory(cc)Course					
CC-I-5	Core Course-I(Paper-5)	3	30	70	100	3
CC-I-6	Core Course-I(paper-6)	3	30	70	100	3
CC-II-5	Core Course-II(paper-5)	3	30	70	100	3
CC-II-6	Core Course-II(Paper-6)	3	30	70	100	3
	Soft-skill:Practical core(PC)Course					
PC-I-3	Practical Core course-I (Paper-5)	3		50	50	1.5
PC-I-4	Practical Core course-I (Paper-6)	3		50	50	1.5
PC-II-3	Practical Core course-II (Paper-5)	3		50	50	1.5
PC-II-4	Practical Core Course-II (Paper-6)	3		50	50	1.5
	Foundation Course (FC)					
FG-21	Compulsory English (L.L.)	2	15	35	50	2
	Elective course (EC)					
EG-21	Elective (Generic) Course	2		50	50	2
ES-21	Elective (Subject) Course	2		50	50	2
		30	135	615	750	24

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	Study Components	Ins. Hrs/ Week	Exam			Credit
			Internal	Uni. Exam	Total	
	Semester-V					
	Core Compulsory(cc)Course					
CC-I-7	Core Course-I(Paper-7)	3	30	70	100	3
CC-I-8	Core Course-I(paper-8)	3	30	70	100	3
CC-I-9	Core Course-II(Paper-9)	3	30	70	100	3
CC-I-10	Core Course-II (Paper-10)	3	30	70	100	3
	Soft-skill:Practical core(PC)Course					
PC-I-7	Practical Core course-I (Paper-7)	3		50	50	1.5
PC-I-8	Practical Core course-I (Paper-8)	3		50	50	1.5
PC-I-9	Practical Core Course-II (Paper-9)	3		50	50	1.5
PC-I-10	Practical Core Course-II (Paper-10)	3		50	50	1.5
	Foundation Course (FC)					
FG-31	Compulsory English (L.L.)	2	15	35	50	2
	Elective course (EC)					
EG-31	Elective (Generice) Course	2		50	50	2
ES-31	Elective (Subject) Course	2		50	50	2
		30	135	615	750	24
	Semester-VI					
	Core Compulsory(cc)Course					
CC-I-11	Core Course-I(Paper-11)	3	30	70	100	3
CC-I-12	Core Course-I(paper-12)	3	30	70	100	3
CC-I-13	Core Course-II(paper-13)	3	30	70	100	3
CC-I-14	Core Course-II(Paper-14)	3	30	70	100	3
	Soft-skill:Practical core(PC)Course					
PC-I-11	Practical Core course-I (Paper-11)	3		50	50	1.5
PC-I-12	Practical Core course-I (Paper-12)	3		50	50	1.5
PC-I-13	Practical Core course-II (Paper-13)	3		50	50	1.5
PC-I-14	Practical Core Course-II (Paper-14)	3		50	50	1.5
	Foundation Course (FC)					
FG-32	Compulsory English (L.L.)	2	15	35	50	2
	Elective course (EC)					
EG-32	Elective (Generice) Course	2		50	50	2
ES-32	Elective (Subject) Course	2		50	50	2
		30	135	615	750	24
	TOTAL	180	750	3450	4200	144

Hemchandracharya North Gujarat University, Patan
Bachelor of Science (B Sc) Programme
Elective (Subject) Courses

Syllabus and Exam.pattern will be prepared later on; there are possibilities of modifications in these courses

(w.e.f.june 2011)

As per the courses framed by Bos in various subjects.

Botany	Biotechnology
Plant Breeding	Biological evolution
Plant Tissue Culture	Interdisciplinary Relevance in advancement of Biotechnology
Horticulture	Biocomputing
	Biodiversity
Mathematics	Physics
Industrial mathematics-I	Instrumentation Measurement and Analysis
Mathematical Programming in C language	Nano Technology
Chemestry	
Agricultural Chemestry	
Medicinal Chemestry	
Microbiology	Zoology
Cell Biology	Animal diversity
Bio chemistry	Sociality in Animals
Enzyme Tchnology	Zoo Maintennance
Tissue culture technology	Museum curators
Waste Management	Pest control
Water Harvesting and conservation	Animal Healthcare
Clinical Microbiology	Dairy Science
Industrial Microbiology	ForensicScience
Bio instrumentation	
r-DNA technology	
Sustainable Agriculture	
Polution Microbiology	

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Semester I

- EG-111 Communication Skills
- EG-112 Human Society and Ethics
- EG-113 Indian Constitution
- EG-114 Basic of Mathematics

Semester-II

- EG-121 Environmental Studies
- EG-122 Disaster Management

Semester-III

- EG-211 Culture and Civilization
- EG-212 National Ethics
- EG-213 Fundamentals of computer
- EG-214 Value oriented education

Semester-IV

- EG-221 Yoga and Wellness
- EG-222 Social Ethics
- EG-223 Computer applications-I
- EG-224 Human Rights

Semester-V

- EG-311 General Knowledge
- EG-312 Atmospheric hazards
- EG-313 Computers applications
- EG-314 Naturopathy

Semester-VI

- EG-321 General Knowledge-II
- EG-322 Nutritional Management in Health
- EG-323 Fundamental rights and duties
- EG-324 Rural Health

Hemchandracharya North Gujarat University, Patan
Bachelor of science (B Sc) Programme
Foundation (Compulsory) course –English (L.L)

Text book and syllabus and pattern of examination, style of question paper,etc to be decided
By university and as per recommendations by HNGU,patan