



**CURRICULUM RELEVENCE TO LOCAL /REGIONAL /GLOBAL/
AND NATIONAL**

DEPARTMENT OF BIOTECHNOLOGY

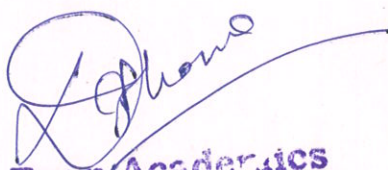
Sl no	Course code	Course Name	Global/ national/ regional/ local	Description
1	BSC 101	CELL STRUCTURE & BIOLOGY	global	Basic Concepts of cell organelles and structure of cells , cancer biology.
2	BSC 102	INFORMATION TECHNOLOGY	global	Basic concept of information technology and pharma chemistry .
3	BSC 103	ANIMAL PHYSIOLOGY	global	Circulation, Respiration, Immunology, Excretion, Muscle physiology and Nerve Physiology Digestion, Physiology of heart, Respiration, Excretion
4	BSC104	COMMUNICATIVE ENGLISH	global	Communication globally with language. communication skill development
5	BSC 201	MICROBIOLOGY	global	Basic concepts of genetics, micro organisms. And their biology.
6	BSC 202	INFORMATION TECHNOLOGY OR PHARMACHEMISTRY	global	. Basic concept of information technology and pharma chemistry
7	BSC 203	PLANT PHYSIOLOGY	global	Diffusion, Osmosis, Water transport mechanisms, Transpiration and Stomatal physiology.. of plants .
8	BSC204	ENGLISH LANGUAGE	global	Skill development about language and communication .


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9	BSC 301	BIOPHYSICS AND BIOCHEMISTRY	global	Structure and function of biomolecules and Measurement of pH, Radioactive labeling & counting, Autoradiography. Diffusion, Sedimentation, Osmosis
10	BSC 302	INFORMATION TECHNOLOGY OR PHARMACHEMIS TRY	global	Management of Data, Central Tendency, dispersion and skewness, Test of significance and Advanced methods for data validation like: ANOVA, Probability, correlation and regression
11	BSC 303	ENVIRONMENTA L STUDIES	global	Pollution, ecosystem , sustainable development
12	BSC 304	ENTERPRENURE SHIP	global	Sources of Finance, Term Loans, Capital Structure
13	BSC 401	BIOINSTRUMENTA TION ,BIOSTATISTICS	global	. Principles and uses of analytical instruments, Microscopy, Biosensor, Separation techniques in biology, Cell culture, sterilization techniques and cryopreservation
14	BSC402	INFORMATION TECHNOLOGYAND PHARMACY	global	Computer language , java data interpretation
15	BSC 403	EVS II	global	General characters and phylogeny ecosystem, pollution, and habitat
16	BSC 404	ENTERPRENURES HIP II	global	Nature of organization, Production Management, Financial Management , Marketing Management , Consumer Management . Role of regulatory Institutions Role of development organisations , self-employment oriented schemes.


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Sl.no	Course code	Course name	Global /regional/national /local	Description
17	BSC 501	MOLECULAR BIOLOGY, GENETIC ENGG	global	Genetic variability and genetic equilibrium, Analysis of quantitative traits, Concepts of Evolution and Molecular clock
18	BSC 502	INFORMATION TECHNOLOGY OR PHARMACHEMIS TRY	global	Management of Data, Central Tendency, dispersion and skewness, Test of significance and Advanced methods for data validation like: Pharmacological science
19	BSC 503	BIOLOGY OF FORENSIC SCIENCE	global	Forensic Medicine, Forensic Toxicology, Forensic Osteology and Odontology, Forensic Anthropology, Wild life Forensic, DNA profiling, Computer Forensic etc. DNA fingerprint
20	BSC 504	IPR	Regional	Students will be aware for the intellectual property rights and laws about that.
21	BSC 601	APPLIED BIOTECHNOLOGY	global	Food microbiology, fermentation process ,immune system
22	BSC 602	INFORMATION TECHNOLOGY /PHARMACHEMIS TRY	global	Computer languages,like python . Or aware of pharma chemistry


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