



VPM's B.N. Bandodkar College of Science (Autonomous), Thane									
AQAR 2022-2023									
Criterion I – Curricular Aspects									
1.3 Curriculum Enrichment									
1.3.1 Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum:									
Sr. No	Programme	Programme Specilization	Course Name	Course Code	Activities - Syllabus content with a direct bearing on Professional Ethics (PE), Gender (G), Human Values (HV) & Environment-Sustainability (ES)				Curriculum of the Course
					PE	G	HV	ES	
1	Bachelor of Science (B.Sc.)	Biochemistry	Environmental	USBCH502	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploa
2		Biochemistry	Applied Biochemistry	BNBUSBC4T	NO	NO	NO	YES	https://www.vpmthane.org/bnb/Syllab
3		Biotechnology	Basic Biotechnology	BNBUSBT1T	NO	NO	NO	YES	https://www.vpmthane.org/BNB/Syllab
4			Foundation Course I :	BNBUSBT1T	YES	YES	YES	NO	https://www.vpmthane.org/BNB/Syllab
5			FC II : Globalization,	BNBUSBT2T	NO	YES	YES	YES	https://www.vpmthane.org/BNB/Syllab
6			Basic Life Science II:	BNBUSBT2T	NO	NO	NO	YES	https://www.vpmthane.org/BNB/Syllab
7			Environmental	USBT604	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploa
8			Biosafety	USACBT501	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploa
9			Agri-biotechnology -	USACBT601	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploa
10			Botany	Angiosperms - Green	BNBUSBO3T	NO	NO	NO	YES
11		Forestry - Economic		BNBUSBO3T	NO	NO	NO	YES	https://www.vpmthane.org/BNB/Syllab
12		Ecology &		BNBUSBO4T	NO	NO	NO	YES	https://www.vpmthane.org/BNB/Syllab
13		Environmental		USBO503	NO	NO	NO	YES	http://old.mu.ac.in/wp-content/upload
14		Chemistry	Plant Geography	USBO602	NO	NO	NO	YES	http://old.mu.ac.in/wp-content/upload
15			Uses and	BNBUSCH4T	NO	NO	NO	YES	https://www.vpmthane.org/BNB/Syllab
16			Agrochemicals,	USCH503	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploa

17		Renewable Energy Sources	USCH601 Unit III	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4.13-T-Y-B.-Sc-Chemistry.pdf
18	Computer Science	Green Technologies	BNBUSCS2T7	NO	NO	NO	YES	https://www.vpmthane.org/bnb/Syllabus/FY.B.Sc.Computer.Science.pdf
19	Foundation Course	Foundation Course Unit I, II & III	BNBUSFC1T1	NO	YES	YES	NO	https://www.vpmthane.org/BNB/Syllabus/FY.B.Sc.FC.Syllabus.pdf
20		Foundation Unit I and II	BNBUSFC1T2	NO	YES	YES	NO	https://www.vpmthane.org/BNB/Syllabus/FY.B.Sc.FC.Syllabus.pdf
21	Human Science	Human Values & Social Institutions of Society	BNBUSHSCT4 Unit III	YES	NO	YES	NO	https://archive.mu.ac.in/syllabus/Final%20FYBSC%20Human%20Sciences%20%202015-2016.pdf
22		Environmental issues & Introduction to Environmental laws	BNBUSHS3T5 Unit III	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/Final%20SYBSC%20Human%20Sciences%20%202015-2016.pdf
23		Sex, Fertility & Psychological issues	BNBUSHS4T2	NO	YES	NO	NO	https://archive.mu.ac.in/syllabus/Final%20SYBSC%20Human%20Sciences%20%202015-2016.pdf
24		Sociology - Work culture, Work ethics & Social issues	USHSC501	YES	NO	YES	NO	https://old.mu.ac.in/wp-content/uploads/2016/06/4.8-TYBSC_Human-Sciences.pdf
25		Constitution, Fundamental Rights & Laws	USHSC502	YES	NO	YES	NO	https://old.mu.ac.in/wp-content/uploads/2016/06/4.8-TYBSC_Human-Sciences.pdf





26		Environmental Science	USHSC602	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4.8-TYBSC_Human-Sciences.pdf
27	Interdisciplinary Science	Barriers in communication, Business skills, softskills and	USIDSSPD01	YES	NO	NO	NO	https://archive.mu.ac.in/syllabus/Soft%20skills%20and%20Personality%20Development%20Interdisciplinary.pdf
28		Individual interactive skills, leadership skills, negotiation skills	USIDSSPD02	YES	NO	YES	NO	https://archive.mu.ac.in/syllabus/Soft%20skills%20and%20Personality%20Development%20Interdisciplinary.pdf
29		Importance and functioning of office, definition of office management, duties	USIDOM01	YES	NO	NO	NO	https://archive.mu.ac.in/syllabus/Office%20Organization%20and%20Management%20Interdisciplinary.pdf
30		Record management, office equipment and machines, office automation practices	USIDOM02	YES	NO	NO	NO	https://archive.mu.ac.in/syllabus/Office%20Organization%20and%20Management%20Interdisciplinary.pdf
31		Information Technology	Green Computing	BNBUSIT2T5	NO	NO	NO	YES
32	Microbiology	Fundamentals of Microbiology	BNBUSMB1T1Unit I	NO	NO	NO	YES	https://www.vpmthane.org/BNB/Syllabus/EYB.Sc_Microbiology_Syllabus.pdf
33		Applied Environmental Microbiology	BNBUSMB3T2 Unit I, II, III	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4.217-5YB.Sc.-Microbiology.pdf
34		Bioprocess Technology: Intellectual property	USMB 604 Unit III, 3.5	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4.51-MICROBIOLOGY Final Revised-TY-Syllabus-AY-2018-19 onward.pdf



35	Master of Science (M.Sc.)	N.C.C	Environment awareness & Conservation	BNBUNCC1T 1 Unit II	NO	NO	NO	YES	https://www.vpmthane.org/BNB/Syllabus/FY.B.Sc_NCC_Syllabus.pdf
36		N.S.S.	NSS Studies	BNBUSNSS1 T1	NO	YES	YES	NO	https://www.vpmthane.org/BNB/Syllabus/FY.B.Sc_NSS_Syllabus.pdf
37			Value system and Gender sensitivity, Environment and Environment	NSS103	NO	YES	YES	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4.60-National-Service-Scheme-Sem-I-to-IV.pdf
38		Zoology	Pollution & its effect on organisms	BNBUSZO4T 3A Unit III	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4.31-Final-Copy-S-Y-B-Sc-Zoology-Syllabus.pdf
39			Environment Management, Wildlife management	USZO604	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4.32-TYBScSem-V-VI-Syllabus-Final-9th-April-2018-26-April-2018-1-4.pdf
40		Chemistry	Environmental Chemistry	PSCH202 Unit 3	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4.208-M-Sc.-Chemistry-Part-I-Sem-I-II1.pdf
41		Environment Science	Ecology & Ecosystem	PSEVS101	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.121%20M.Sc.%20Environment%20Sci..pdf
42			Biodiversity	PSEVS102	YES	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.121%20M.Sc.%20Environment%20Sci..pdf
43			Environmental & Natural Resources	PSEVS103	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.121%20M.Sc.%20Environment%20Sci..pdf

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Environmental Pollution	PSEVS104	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.121%20M.Sc.%20Environment%20Sci..pdf
Environmental Monitoring & Assessment	PSEVS201	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.121%20M.Sc.%20Environment%20Sci..pdf
Pollution Control Technology	PSEVS202	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.121%20M.Sc.%20Environment%20Sci..pdf
Green Technology	PSEVS203	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.121%20M.Sc.%20Environment%20Sci..pdf
Environmental policies & Regulations	PSEVS204	YES	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.121%20M.Sc.%20Environment%20Sci..pdf
Advanced Pollution Control Technology	PSEVS301	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.92%20%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf
Instrumentation and Biostatistics	PSEVS302	NO	NO	NO	NO	https://archive.mu.ac.in/syllabus/4.92%20%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf
Environmental Toxicology	PSEVS303	NO	NO	NO	NO	https://archive.mu.ac.in/syllabus/4.92%20%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf





52	Industrial Hygiene and Chemical Safety	PSEVS304	YES	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.92%20%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf	
53	Ecotechnology	PSEVS401	NO	NO	YES	YES	https://archive.mu.ac.in/syllabus/4.92%20%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf	
54	Environmental Biotechnology and Nanotechnology	PSEVS402	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.92%20%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf	
55	Sustainable Management	PSEVS403	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.92%20%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf	
56	Environmental Management	PSEVS404	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.92%20%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf	
57	Biodiversity and Wildlife Conservation and Management	Biodiversity: Global & Indian	PSBWCM101	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4_3-MSc-BWCM-SEM-I-and-SEM-II-25th-July-2019.pdf
58		Biomes and Natural History	PSBWCM102	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4_3-MSc-BWCM-SEM-I-and-SEM-II-25th-July-2019.pdf
59		Basics of Wildlife Biology	PSBWCM103	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4_3-MSc-BWCM-SEM-I-and-SEM-II-25th-July-2019.pdf



60		Planning & Execution of field surveys	PSBWCM104	YES	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4_3-MSc-BWCM-SEM-I-and-SEM-II-25th-July-2019.pdf
61		Animal dispersions & Animal populations	PSBWCM201	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4_3-MSc-BWCM-SEM-I-and-SEM-II-25th-July-2019.pdf
62		Principles of Conservation Biology	PSBWCM202	YES	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4_3-MSc-BWCM-SEM-I-and-SEM-II-25th-July-2019.pdf
63		Planning and Implementation of conservation	PSBWCM203	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4_3-MSc-BWCM-SEM-I-and-SEM-II-25th-July-2019.pdf
64		Advanced techniques in field studies	PSBWCM204	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4_3-MSc-BWCM-SEM-I-and-SEM-II-25th-July-2019.pdf
65		Sustainable Development, Molecular	PSBWCM301	NO	NO	NO	YES	https://mu.ac.in/wp-content/uploads/2021/09/6_1-M Sc -BWCM-Part-II-Sem-I-II-IV1.pdf
66		Acts and Laws of Protected Areas and People Participation	PSBWCM302	NO	NO	NO	YES	https://mu.ac.in/wp-content/uploads/2021/09/6_1-M Sc -BWCM-Part-II-Sem-I-II-IV1.pdf
67		Environmental Monitoring and Environmental Audits	PSBWCM303	NO	NO	NO	YES	https://mu.ac.in/wp-content/uploads/2021/09/6_1-M Sc -BWCM-Part-II-Sem-I-II-IV1.pdf
68		Applications of Information Technology in Field Biology	PSBWCM304	NO	NO	NO	YES	https://mu.ac.in/wp-content/uploads/2021/09/6_1-M Sc -BWCM-Part-II-Sem-I-II-IV1.pdf
69	Clinical Psychology	Religion Psychology	BNBPSCP111	NO	NO	YES	NO	https://www.vpmthane.org/BNB/Syllabus/MSc_Clinical_Psychology.pdf



70			Research Methodology	BNBPSCP1T2	YES	NO	NO	NO	https://www.vpmthane.org/BNB/Syllabus/MSc_Clinical_Psychology.pdf
71			Social Psychology	BNBPSCP2T1	NO	NO	YES	NO	https://www.vpmthane.org/BNB/Syllabus/MSc_Clinical_Psychology.pdf
72			Positive Psychology	BNBPSCP2T3	NO	NO	YES	NO	https://www.vpmthane.org/BNB/Syllabus/MSc_Clinical_Psychology.pdf
73	B.Sc. and M.Sc.	Applicable to all Biological Science Programmes	Certificate Course Solid Waste Management	BNBCCWM1T1	NO	NO	NO	YES	https://www.vpmthane.org/BNB/Cert_Syllabus/Solid%20Waste%20Management.pdf
TOTAL				73	14	7	14	55	

Principal
VPM's B.N. Bandodkar College of Science (Autonomous)
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