

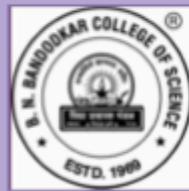
Academic Council Meeting No. and Date: 9 / July 02, 2024

Agenda Number: 3

Resolution Number: 41, 42 / 3.42, 3.43



**Vidya Prasarak Mandal's  
B. N. Bandodkar College of Science  
(Autonomous), Thane**



**Syllabus for  
Programme: Bachelor of Science  
Co-curricular Course on  
[S.Y.B.Sc. Social Science (NSS)]**

**LEVEL 5**

**Choice Based Grading System**

**Revised under NEP and Autonomy**

**From academic year 2024-25**

## **Preamble**

Activities conducted under National Service Scheme in co-curricular / Community engagement course under NEP 2020 aims to inculcate various life skills like leadership, teamwork, communication, creativity, critical thinking, problem-solving, and social responsibility among students. It promotes values such as discipline, resilience, empathy, and respect. The course would give them the spirit of voluntary work for the betterment of the society and to develop their personality through community service. It not only encourages them to contribute to the welfare of society but also to learn from it. The course includes various activities such as community development, health education, environmental conservation, disaster management, and promotion of national integration and social harmony.

Sayali Daptardar

Chairperson, BOS

## **PROGRAMME OUTCOMES (POs) OF BACHELOR OF SCIENCE (B. Sc.)**

The Undergraduate Programmes of Science are intended to cater quality education and attain holistic development of learners through the following programme outcomes:

### **PO1 - Disciplinary Knowledge**

Lay a strong foundation of conceptual learning in science. Instil ability to apply science in professional, social and personal life.

### **PO2 - Inculcation of Research Aptitude**

Ignite spirit of inquiry, critical thinking, analytical skills and problem-solving approach which will help learners to grasp concepts related to research methodology and execute budding research ideas.

### **PO3 - Digital Literacy**

Enhance ability to access, select and use a variety of relevant information e-resources for curricular, co-curricular and extracurricular learning processes.

### **PO4 - Sensitization towards Environment**

Build a cohesive bond with nature by respecting natural resources, encouraging eco-friendly practices and creating awareness about sustainable development.

### **PO5 - Individuality and Teamwork**

Encourage learners to work independently or in collaboration for achieving effective results through practical experiments, project work and research activities.

### **PO6 - Social and Ethical Awareness**

Foster ethical principles which will help in developing rational thinking and becoming socially aware citizens. Build an attitude of unbiased, truthful actions and avoid unethical behaviour in all aspects of life.

**Eligibility:**

Passed FYBSc (Level 4.5)

**Duration:**

1 Year (includes SEM III and SEM IV)

**Mode of Conduct:**

Field activities at College and University level

Area based projects

Offline lectures / Online lectures

**VPM's B.N. Bandodkar College of Science (Autonomous),  
Thane**

Curriculum Structure for Social Science (NSS) under NEP

**Structure of Programme**

**S. Y. B. Sc.  
Semester III**

Title	Course Code	Course Title	No. of lectures	Credits
CC	23BU3CC601	<b>Human Values, Gender Sensitization &amp; Community Mobilization</b>	15	1
		<b>College / University level activities and Area based projects</b>	30	1
		<b>Total</b>	<b>45</b>	<b>2</b>

**Semester IV**

Title	Course Code	Course Title	No. of lectures	Credits
CC	23BU4CC601	<b>Social Challenges &amp; Solutions</b>	15	1
		<b>College / University level activities and Area based projects</b>	30	1
		<b>Total</b>	<b>45</b>	<b>2</b>

**Note: Volunteers completing 60 hours of activity work in each semester will be exempted from the examination.**

# **Semester III**

Course Code 23BU3CC601		Course Title <b>Human Values, Gender Sensitization &amp; Community Mobilization</b>	Credits 2	No. of lectures
CO1	Explain human values and its types			L2
CO2	Summarize the need of women empowerment and suggest solutions to solve issues related to gender bias			L2
CO3	Build a team to volunteer in various activities effectively to help solve social issues			L6
CO4	Take part in an event to solve a societal problems			L4

**Grading will be as 3: High (>60%), 2: Moderate (40%-60%), 1: Low (<40%), 0: No mapping**

	PO1	PO2	PO3	PO4	PO5	PO6
CO1	3	0	1	1	0	3
CO2	3	0	1	0	0	3
CO3	2	0	1	3	3	3
CO4	2	0	1	3	3	3

<b>Unit I</b> <b>Human Values, Gender Sensitization &amp; Community Mobilization</b>	1.1 Meaning of Values, Types of Values 1.2 Human Values & Social Responsibilities 1.3 Eleven Vows 1.4 Concept of Gender: Causes behind Gender related problems and remedial measures 1.5 Meaning of Woman Empowerment 1.6 Various Schemes for Woman Empowerment in India 1.7 Community Mobilization: Process, methods, benefits, challenges	15
<b>Practical</b>	1. College / University level activities 2. Area based projects: Health, Cleanliness drives, Education, Environment, Employment generation	30

<b>Semester III</b>				
<b>Books and References</b>				
<b>Sr. No.</b>	<b>Title</b>	<b>Author/s</b>	<b>Publisher</b>	<b>Year</b>
1.	National Service Scheme Manual (Revised)	-	Government of India, Ministry of Youth Affairs and Sports, New Delhi	2006
2.	National Service Scheme Manual	-	University of Mumbai	2009
3.	National Service Scheme: A Youth Volunteers Programme for Under Graduate Students as Per UGC Guidelines 1st Semester	Dr. J. D. S. Panwar, Dr. Amit Kumar Jain, Dr. Brijesh Kumar Rathi	Daya Publishing House, New Delhi	2016
4.	Community Mobilisation: Methods and Models	R R Prasad	Discovery Publishing House Pvt Ltd	2015

# **Semester IV**

Course Code 23BU4CC601	Course Title Social Challenges & Solutions	Credits 2	No. of lectures
CO1	Explain disaster management concepts and preparedness measures	L2	
CO2	Analyze health and environmental issues and explain how community-based NSS interventions can find a solution to it	L4	
CO3	Build a team to volunteer in various activities effectively to help solve social issues	L6	
CO4	Take part in an event to solve a societal problems	L4	

**Grading will be as 3: High (>60%), 2: Moderate (40%-60%), 1: Low (<40%), 0: No mapping**

	PO1	PO2	PO3	PO4	PO5	PO6
CO1	3	1	1	1	1	1
CO2	3	1	1	3	1	1
CO3	2	0	1	3	3	3
CO4	2	0	1	3	3	3

<b>Unit I</b> <b>Social</b> <b>Challenges &amp;</b> <b>Solutions</b>	<p>1.1 Disaster Management – Concept, Disaster Cycle, Disaster Preparedness – its meaning and methods, First Aids techniques, Role of Technology in Disaster Response, Role of volunteer First responder, Breathing techniques (Rescue Methods - CPR), Various Types of Knots and Stretchers, Disaster Management Cells at different levels and its functioning, Sendai Convention</p> <p>1.2 Health related problems: Indicators (Physical &amp; Mental), Role of Health in Development, Public Health System in India (include different schemes NHM, JSSY, Aayush, Health insurance), Maintenance of Hygiene, Sanitation, Preventive Campaigning for common diseases (Malaria, Tuberculosis, Dengue, Cancer, HIV/AIDS, Diabetes, Malnutrition)</p> <p>1.3 Environment – Issues, Conservation of Natural Resources and Sustainability in Environment with respect to water conservation types, Bandhara, CCT (Continuous Contour trench), Rain Water Harvesting, Energy – The concept, &amp; features, Conventional and non – conventional energy, Energy Conservation – the meaning and importance</p>	15
<b>Practical</b>	<p>1. College / University level activities</p> <p>2. Area based projects: Health, Cleanliness drives, Education, Environment, Employment generation</p>	30

<b>Semester IV</b>				
<b>Books and References</b>				
<b>Sr. No.</b>	<b>Title</b>	<b>Author/s</b>	<b>Publisher</b>	<b>Year</b>
1.	National Service Scheme: A Youth Volunteers Programme for Under Graduate Students as Per UGC Guidelines 1st Semester	Dr. J. D. S. Panwar, Dr. Amit Kumar Jain, Dr. Brijesh Kumar Rathi	Daya Publishing House, New Delhi	2016
2.	National Policy on Disaster Management (NPDM)	-	Ministry of Home Affairs	2009
3.	Disaster Management in India	-	Ministry of Home Affairs	2011
4.	National Service Scheme Manual (Revised)	-	Government of India, Ministry of Youth Affairs and Sports, New Delhi	2006

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**Curriculum mapping for the Undergraduate Degree Programme**  
**S.Y.B.Sc Social Science (NSS)**

		Course imparts Employability (EM), Entrepreneurship (EN), Skill Development (SD)			Course integrates with Professional Ethics (PE), Gender Equity (GE), Human Value (HV), Environmental Sustainability (ES)			
Course Code	Major Course Title	EM	EN	SD	PE	GE	HV	ES
<b>23BU3CC601</b>	Human Values, Gender Sensitization & Community mobilization	-	√	√	√	√	√	√
<b>23BU4CC601</b>	Social Challenges & Solutions	-	√	√	√	√	√	√
	<b>Total</b>	<b>00</b>	<b>02</b>	<b>02</b>	<b>02</b>	<b>02</b>	<b>02</b>	<b>02</b>