

As Per NEP 2020

University of Mumbai



**Syllabus for Minor
Vertical 2**

Faculty of Commerce & Management

Board of Studies in Bachelor of Management Studies

Second Year Programme : Bachelor of Management Studies

Semester	III & IV	
Title of Paper	Sem.	Total Credits 4
I) Health & Hygiene Audit	III	4
Title of Paper		Credits
I) Green Campus Audit	IV	4
From the Academic Year		2025-26

Sem. - III

Syllabus
B. Com/BMS (Environmental Management & Economics)
(Sem- III)

Title of Paper: Health & Hygiene Audit

Sr. No.	Heading	Particulars
1	Description the course:	In the changing dynamics of business environmental forces, Environment Management helps explore the intricate balance between human activities and the natural world. Throughout this course, learners will delve into strategies for preserving ecosystems, mitigating environmental impacts, and promoting sustainability. From understanding environmental regulations to implementing conservation practices, students will develop the skills and knowledge necessary to become effective stewards of our planet. This will enable the learners to embark into the journey to safeguard our environment for future generations.
2	Vertical:	Minor
3	Type:	Theory
4	Credit:	4 credits
5	Hours Allotted:	60 Hours
6	Marks Allotted:	100 Marks
7	Course Objectives: a. To understand the principles of quality control in relation to environmental audits and the regulatory framework governing food safety and hygiene. b. To learn about food security, hygiene issues, and their relevance to public health and food safety.	
8	Course Outcomes: CO1) Learners will be able to evaluate the effectiveness and regulations and standards in maintaining hygiene in food safety practices CO2) Learners will understand step-by-step procedures for conducting hygiene and sanitation audits.	

9	Modules:-	
	<u>Module 1: Introduction to Health & Hygiene Audit</u>	
	Unit-I: Sanitation and hygiene	
	a. Background of sanitation and hygiene status of India, Personal hygiene- Primary focus towards health, b. Food security and hygiene- Need of the Hour	
	Unit-II: Food Safety Management	
	a. Safety rules for a hygiene environment, Food safety- Food Safety Management System (FSMS). b. FSMS rules & regulations.	
	<u>Module 2: Laws and Procedure for conducting Audit</u>	
	Unit-III: Principles of quality control	
	a. Principles of quality control. b. Government regulations. (Food laws, orders) and amendments and national and international standards – ISI, AGMARK, ISO, FSSAI	
	Unit-IV: Procedure for audit	
	a. Procedures for conducting audit. b. Application Forms and Checklist	
10	Reference Books: 1. Borvers, J. (1992). Food Theory and Application (2ndEd), New York: Maxwell MacMillan International Edition. 2. Manay, N. S. and Sharaswamy, S. M. (1997). Foods: Facts and Principles New Delhi: New Age International Publishers. 3. McWilliams, M (2007). Foods: Experimental Perspectives 5th Ed, New Jersey: Macmillar Publishing Co. 4. Potter, N. N. and Hutchkiss, J. H. (1997). Food Science, 5th Ed, New Delhi: CBS Publishers and Distributors. 5. Rick Parker (2003) Introduction to Food Science, New York: Delmar Thomson Learning. 6. Scottsmith and Hui Y.H (Editors) (2004) Food Processing – Principles and Applications London Blackwell Publishing.	
11	Internal Continuous Assessment: 40%	External, Semester End Examination 60% Individual Passing in Internal and External Examination
12	Internal Paper Pattern (40 Marks) 1. Project Presentation OR Case Study writing 10 Marks 2. Quiz OR Group discussion 10 Marks 3. Class Test (Mandatory) with objectives 20 Marks Total40 Marks	

Sem. - IV

Syllabus

B. Com/BMS (Environmental Management & Economics)

(Sem.- IV)

Title of Paper: Green Campus Audit

Sr. No.	Heading	Particulars
1	Description the course:	In the changing dynamics of business environmental forces, Environment Management helps explore the intricate balance between human activities and the natural world. Throughout this course, learners will delve into strategies for preserving ecosystems, mitigating environmental impacts, and promoting sustainability. From understanding environmental regulations to implementing conservation practices, students will develop the skills and knowledge necessary to become effective stewards of our planet. This will enable the learners to embark into the journey to safeguard our environment for future generations.
2	Vertical :	Minor
3	Type :	Theory
4	Credit:	4 credits
5	Hours Allotted :	60 Hours
6	Marks Allotted:	100 Marks
7	Course Objectives: a. To introduce students to the basic principles and practices that define a green campus, including biodiversity, sustainability, and environmental responsibility. b. To train students in conducting a Green Campus Audit, assessing sustainability efforts, and identifying areas for improvement in infrastructure and practices.	
8	Course Outcomes: CO1) Learners will understand the environmental impact of campus activities, including resource consumption, waste generation, and biodiversity. CO2) Learners will be acquainted about the sustainable practices and technologies relevant to campus operations, such as renewable energy, water conservation, waste reduction, and biodiversity conservation	

9	Modules:-	
	<u>Module 1: Introduction to Green Campus Audit</u>	
	Unit-I: Basics of Green campus & Natural topography	
	a. Basics of Green campus, Role of plants, animals, and microorganisms in green campus b. Natural topography, vegetation and rainwater harvesting system	
	Unit-II: Landscape design & Water Irrigation System	
	a. Landscape design and soil erosion control. Promoting the native biodiversity conservation. b. Establishment of lawns, trees, herbs, shrubs, and climbers in the campus. c. Operation of water irrigation system, drip, and sprinkler irrigation methods.	
	<u>Module 2 –Infrastructure developments and sustainable practices</u>	
	Unit-III: Waste Management Practices in Campus	
	a. Solid waste management practices (collection, sorting, recycling, disposal), Organic waste management at campus. b. Promoting sustainable transportation (cycling, walking), Reducing the use of single- use plastics, Developing environmental awareness programs for students and staff.	
	Unit-IV: Green campus audit procedures	
	a. Green campus audit procedures, testing methods, promoting biodiversity, and creating green space b. Application Forms and Checklist	
10	Reference Books: 1. Greening the Campus: A Guide to Sustainable Practices in Higher Education- Routledge. 2. Sustainable Campus: Greening the Institutional Environment”- Wiley-Blackwell 3. Sustainable Infrastructure: The Guide to Green Engineering and Design”- Richard C. Schilling	
11	Internal Continuous Assessment: 40%	External, Semester End Examination 60% Individual Passing in Internal and External Examination
12	Internal Paper Pattern (40 Marks) 4. Project Presentation OR Case Study writing 10 Marks 5. Quiz OR Group discussion 10 Marks 6. Class Test (Mandatory) with objectives 20 Marks Total40 Marks	

QUESTION PAPER PATTERN

(External and Internal)

Paper Pattern	4 Credits	(Total 100 Marks)
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Internal	=	40 Marks
External	=	60 Marks

Internal Paper Pattern (40 Marks)

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|--|----------|
| 1. Project Presentation OR Case Study writing | 10 Marks |
| 2. Quiz OR Group discussion | 10 Marks |
| 3. Class Test (Mandatory) with objectives | 20 Marks |
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Total	40 Marks
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External Paper Pattern (60 Marks)

External Paper Pattern (60 Marks)

Write any **FOUR** questions from the following

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|--------------------------|----------|
| Q1. Answer the following | 15 marks |
| A | |
| B | |
| Q2. Answer the following | 15 Marks |
| A | |
| B | |
| Q3. Answer the following | 15 Marks |
| A | |
| B | |
| Q4. Answer the following | 15 marks |
| A | |
| B | |

Q5. Answer the following

15 Marks

A

B

Q6. Answer the following

15 Marks

A

B

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Chairman
Dr. Kanchan Fulmali
Board of Studies in
BMS

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Offg. Associate Dean
Prin. Kishori Bhagat
Faculty of Commerce
& Management

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Offg. Associate Dean
Prof. Kavita Laghate
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Commerce &
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