

Criteria 1

1.3.1: Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Additional Information



Submitted by

IQAC, Mankar College

For the assessment of NAAC, Cycle 3



Mankar College

MANKAR, PURBA BARDHAMAN
WEST BENGAL-713144

ESTD : 1987

NAAC Accredited at 'B+'

Tel/Fax No.: (0343) 2517269

Website : www.mankarcollege.ac.in

E-mail : principal@mankarcollege.ac.in

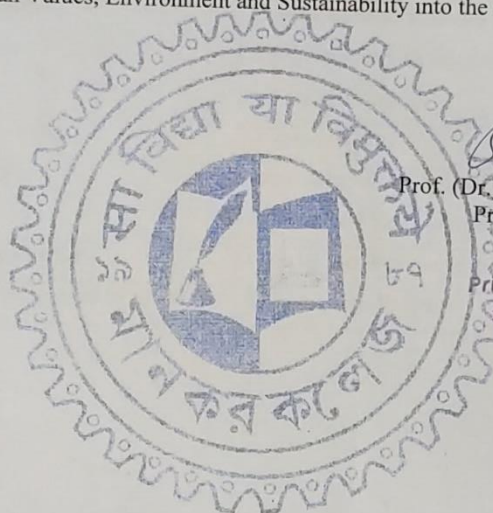
Mobile : 7908574079

Ref. No.

Date

This is to certify that the following documents have been submitted for NAAC accreditation by IQAC, Mankar College under criteria 1, sub criteria 1.3.1. The lists of attached documents are herewith:

1. Parts of the curriculum that shows crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum



Prof. (Dr.) Sukanta Bhattacharyya
Principal, Mankar College

Principal / Secretary
Mankar College

10.2.23



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This is to certify that the syllabus of the following departments shows crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.

Sl No	Department	Issues
1	Geography	Environment Geography
2	Sanskrit	Ethical and Moral issues , Environmental awareness, Art of balanced living
3	Philosophy	Western Ethics
4	English	Environment and literature, Woman and Empowerment
5	Bengali(PG)	Gender and Woman empowerment
6	Environmental Studies	Environment Projects

Prof. (Dr.) Sukanta Bhattacharyya
Principal, Mankar College

Principal / Secretary
Mankar College

ENVIRONMENTAL STUDIES
Credits: 4
Course Code: AEECC1
COURSE TITLE: FUNDAMENTALS OF ENVIRONMENTAL STUDIES
Lectures – 80

Unit 1: Basic of Environmental Studies (06)

Definition, Nature, Scope and Importance; Components of environment: Environmental education

Unit 2: Natural Resources: Renewable & Non-renewable Resources (15)

Nature and natural resources their conservation and associated problems:

- Forest resources: Uses, types and importance, Joint Forest Management & Tribal population, Deforestation and its effects
- Water resources: Distribution of water on Earth; Use, over exploitation of surface and ground water; Dams: Benefits and problems; Flood and Drought
- Mineral resources: Mineral resources in India; Use and exploitation, Social impacts of mining
- Food resources: World food problems and food insecurities.
- Energy resources: Renewable and Non-renewable energy sources; Use of alternate energy sources - Case studies
- Land resources: Land as a resource; Land degradation, landslides, soil erosion, desertification
- Use of resources for sustainable development

Unit 3: Ecology & Ecosystems (12)

Concept of ecology, Population ecology, Community ecology

- Concept of an ecosystem, different types of ecosystem
- Food chains, food webs and ecological succession
- Energy flow in the ecosystem and energy flow models

Unit 4: Biodiversity & Conservation (12)

- Biodiversity: Levels of biological diversity
- Values of biodiversity
- Hot-Spots of biodiversity, Mega-biodiversity countries
- Threat to biodiversity
- Threatened and endemic species of India
- Conservation of biodiversity (*In-situ* and *Ex-situ*)
- Ecosystem services: Ecological, Economical, Social, Ethical, Aesthetical and Informational values

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Unit 5: Environmental Pollution & Management

(12)

(a) Nature, Causes, Effects and Control measures of –

- (i) Air pollution
- (ii) Water pollution
- (iii) Soil pollution
- (iv) Noise pollution
- v) Nuclear hazards

(b) Fireworks Pollution: Definition, Composition/Ingredients, effects, monitoring strategies

- Solid waste management: Causes, effects and disposal methods; Management of biomedical and municipal solid wastes
- Disaster management: Floods, Earthquake, Cyclone and Landslides

Unit 6: Environmental Policies & Practices

(15)

- Constitutional Provisions for protecting environment- Articles 48(A), 51 A (g)
- Environmental Laws: The Environment (Protection) Act, 1986; The Air (Prevention and Control of Pollution) Act, 1981; The Water (Prevention and Control of Pollution) Act 1974; Forest (Conservation) Act, 1980
- The wildlife Protection Act, 1972
- Climate change, Global warming, ENSO, Acid rain, Ozone layer depletion; Montreal and Kyoto Protocols

Unit 7: Human Communities & Environment

(08)

- Human population growth; Impacts on environment
- Population explosion – Family Welfare Programme
- Environment and human health: Concept of health and disease; Common communicable and Non- communicable diseases; Public awareness
- Environment movements in India: Chipko Movements, Silent Valley Movement, Movements in Karnataka

Unit 8: Field Work Report/Project Report/Term paper (based on any one of the following topics and to be evaluated by internal teachers only)

- Environmental assets - River/Forest/Grassland/Hill/Mountain *etc.*
- Environmental pollution - Urban/Rural/Industrial/Agricultural
- Study of common Plants/Insect /Birds/Wild life *etc.*
- Study of simple ecosystems: Pond/River/Hill slope *etc.*
- Municipal solid waste management and handling.

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SEMESTER III [ONLY TICKED TEXTS]	
✓ GE – 3: CONTEMPORARY INDIA: WOMEN AND EMPOWERMENT	
1. Social Construction of Gender: <ul style="list-style-type: none"> ➤ Masculinity, Femininity ➤ Patriarchy ➤ Sex and Gender ➤ Gender Socialization ➤ Gender Discrimination ➤ Gender Stereotyping 	10(L)
Text: <ul style="list-style-type: none"> • 'Complicating Gender: Rights of Transsexuals in India' by Ashwini Sukthankar. From Nivedita Menon. <i>Sexualities: Issues in Contemporary Indian Feminisms</i> 	10(L)
2. History of Women's Movements in India (Pre- and Post-Independence): <ul style="list-style-type: none"> ➤ Women and Nationalism ➤ Women and Partition ➤ Women and Political Participation 	10(L)
Texts: (any two) <ul style="list-style-type: none"> • "Letters to a Wife: Satyandranath Tagore's Letters to Jynadanandini Tagore" from <i>Epistolary Cultures in 19th Century Bengal</i>, Stree Samya, Kolkata (Forthcoming) • Gholam Murshed. "Chapter Four" from <i>The Reluctant Debutante</i> • Urvashi Butalia. "Beginnings" from <i>The Other Side of Silence</i> • Jashodhara Bagchi and Shubharanjan Dasgupta. <i>The Trauma and the Triumph: Gender and Partition in Eastern India</i>, Vol. 1 ("Introduction") 	10(L)
3. Women and Law: <ul style="list-style-type: none"> ➤ Women and the Indian Constitution ➤ Personal Laws ➤ Customary Practices on Inheritance and Marriage 	8 (L)
Text: <ul style="list-style-type: none"> • Sudhir Chandra. <i>Enslaved Daughters</i> [From <i>Women and Law in India: An Omnibus</i>] Selections to be taught: (a) Prologue, and (b) Chapter 1 (May be supplemented by workshop on legal awareness) 	8 (L)
4. Women and Violence: <ul style="list-style-type: none"> ➤ State Interventions ➤ Domestic Violence ➤ Female Foeticide ➤ Sexual Harassment 	8 (L)
Texts: (any one) <ul style="list-style-type: none"> • Rokeya Sakhawat Hussain – <i>Sultana's Dream</i> (ND) • Bama Faustina Soosairaj – <i>Karukku</i> (ND) 	10 (L)
	74 L

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B.Sc. Nutrition (Honours)

OR

SEC 1: ENVIRONMENT MANAGEMENT AND PUBLIC HEALTH
[TOTAL CREDITS: 2 (THEORY-2)]

Theory:

Total Lecture-60

1. Environmental Hazard:

- Sources of Environmental hazards, Hazard identification and accounting, Fate of toxic and persistent substances in the environment.

2. Global Warming:

- Greenhouse gases and global warming, Acid rain, Ozone layer destruction, Effect of climate change on public health.

3. Pollution and Environmental Waste:

- Sources and effects on health: Air, water and noise pollution, Pollution control.
- Sources of waste, types and characteristics.
- Sewage disposal and its treatment / management, Solid waste disposal.
- Biomedical waste handling and disposal, nuclear waste handling and disposal, Waste from thermal power plants.

4. Causes, Symptoms and Effects on health:

- Pneumoconiosis-Silicosis, Asbestosis, Bagassosis, Byssinosis.
- Minamata disease, Arsenicosis, Fluorosis.

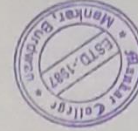
5. Vector Biology and Public Health:

- Biology, Importance and control- *Anopheles*, *Culex*, *Aedes* and Sandfly
- Causative agents, Pathogenicity and Control of Dengue and Encephalitis.
- Integrated Management of Mosquito control.
- Mode of action and Role of Bio-insecticides: *Bacillus thuringiensis* and *Bacillus sphaericus*.

Suggested readings

- Cutter SL. Environmental Risk and Hazards, Prentice-Hall of India Pvt. Ltd., New Delhi, 1999.
- Kolluru Rao, Bartell Steven, Pitblado R and Stricoff "Risk Assessment and Management Handbook", McGraw Hill Inc., New York, 1996.
- Kofi Asante Duah "Risk Assessment in Environmental management", John Wiley and sons, Singapore, 1998.
- Kasperson JX and Kasperson RE and Kasperson RE. Global Environmental Risks, V.N. University Press, New York, 2003.
- Joseph F Louvar and B Diane Louver Health and Environmental Risk Analysis fundamentals with applications, Prentice Hall, New Jersey 1997.

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Semester V
BA General
(Generic Elective Paper)

Paper –I : Women Studies in India

6 Credits, Total 75 marks (60 + 15)

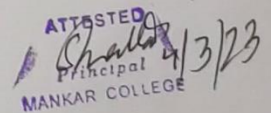
Total Lectures - 60

- I. Basic Concepts & Theories**
 - a. Defining Gender
 - b. Patriarchy: Ideology and Practice
 - c. Relationship between Gender, Caste, Class Religion & Politics
- II. Emergence of Women Studies in India**
 - a. A Survey from the 1980s
 - b. Women Studies: Regional Centres; the Core-Periphery discourse
 - c. Academic connect with Activism
- III. Gender & Social History**
 - a. Family & Marriage
 - b. Women's question in the 19th century
 - c. Women's movement in Colonial & Post-Colonial India
- IV. Gender, Law & Politics**
 - a. Political Participation
 - b. Violence against Women – Preventive laws
- V. Gender & Development**
 - a. Issues of Labour & Health
 - b. Access to resources
 - c. Gender Audit
- VI. Gender & Culture**
 - a. Cultural Practices and Gender
 - b. Interrogating Gender through the lens of culture
 - c. Regional Cultures and Gender in India

References

1. KamlaBhasin, Understanding Gender
2. KamlaBhasin, What is Patriarchy
3. MadhuVij, et al, Women Studies in India, A Journey of 25 Years, Rawat 2014
4. KumkumSanghari&SudeshVaid, Recasting Women, Essay in Colonial History, Kali For Women, Reprint 2006
5. SushilaKaushik, Panchayati Raj in Action: Challenges to Women's Role, Delhi 1996

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Ethical & Moral Issues in Sanskrit (40 classes)

II. Pañcatantra—Mitrabheda-katha-2

20



Environmental Awareness in Sanskrit

I. Manusamhitā - 2/54, 57, 3/163.

4/56, 60, 62, 66, 76, 83, 138, 139. 6/46. 8/285.

9/281, 289. 11/64-66, 145. (30 classes)

II. Varāhapurāṇa - 172/35, 36, 37. (10 classes)

III. Brahmanāradyapurāṇa - 13/52. (10 classes)

IV. Yājñavalkyasamhitā—2/230-232. (10 classes)

Elective

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DSE-4

Art of Balanced Living

(A) Yogasūtra – I (1, 2 & 12-16) (30 classes)
Yogasūtra – II (29, 30, 32, 46, 49 & 50)

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DISCIPLINE SPECIFIC COURSES



SEMESTER - V

DISCIPLINE SPECIFIC COURSE (DSE) - 1:	
✓ A. British Literature	
1. Robert Louis Stevenson - <i>Strange Case of Dr Jekyll and Mr Hyde</i> (ND)	20 (L) + 4(T)
2. William Shakespeare - <i>As you Like It</i>	20 (L)+4 (T)
3. Thomas Hardy- <i>Ah, Are Digging on My Grave?</i>	8(L)+2(T)
4. Robert Lynd- <i>On Not Being a Philosopher</i>	12(L)+3(T)
	60 Lectures + 13 Tutorials = 73

OR

SEMESTER - V

DISCIPLINE SPECIFIC COURSE (DSE) - 1:	
B. Environment & Literature	Introduction
1. G M Hopkins. 'Binsey Poplars'	5(L)+1(T)
2. Gordon J. L. Ramel. 'Daffodils No More'	6(L)+2(T)
3. Mahasweta Devi. 'Pterodactyl'	4(L)+2(T)
4. Ruskin Bond. 'Dust on the Mountains', 'Death of the Trees'	15(L)+5(T)
	16(L)+4(T)
Issues:	
Nature in Oriental & Western Thought, Deep Ecology, Third World Environmentalism, Ecofeminism	
Readings:	46 Lectures + 14 Tutorial = 60
• Vasudha Narayanan 'Water, Wood, and Wisdom: Ecological Perspectives from the Hindu Traditions'	
• Allen Carlson. <i>Environmental Aesthetics</i>	
• Preeti Ranjan Ghosh - "Towards an Understanding of Environmental Aesthetics: Some Reflections", <i>The Philosophical Quarterly</i> , 1998	
• Beth Fowkes Tobin. <i>Colonizing Nature</i>	
• Vasudha Narayanan. <i>Water, Wood and Wisdom</i>	
• Vandana Shiva. <i>Women in Nature</i>	

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SEMESTER - VI

✓ DISCIPLINE SPECIFIC COURSE (DSE)- 2:	
A: Indian Literature in Translation	
1. Rabindranath Tagore - <i>The Wife's Letter</i> (Translation of <i>Steer Patra</i>)	15(L)+4(T)
2. Vijay Tendulkar - <i>Silence: The Court is in Session</i> (Translation of <i>Shantata: Court Chalu Ahe</i>)	20(L)+5(T)
3. Mahasweta Devi- 'Draupdi' (ND)	10(L)+2 (T)
4. Amrita Pritam - 'Bread of Dreams' & 'A Story of Fire'	10(L)+2(T)
	55 Lectures + 13 Tutorials = 68

CC 10 : ENVIRONMENTAL GEOGRAPHY Credit: 6 (4+2)



Pattern of Setting Questions:

- ☐ 5 questions to be answered out of 8, each question carries 02 Marks, Total 10 Marks;
- ☐ 2 questions to be answered out of 4, each question carries 05 Marks, Total 10 Marks.
Each question shall have at least two parts;
- ☐ 2 questions to be answered out of 4, each question carries 10 Marks, Total 20 Marks.
Each question shall have at least two parts.

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