

NAMRUP COLLEGE

P.O. Parbatpur, Dist.Dibrugarh, Assam, PIN-786623

(Estd. 1973)

NAAC Re-accredited (B-Grade; CGPA-2.27)

Syllabus of Botany

Course Code: BC409T

Core Course IX: Plant Ecology and Phytogeography

The objective of this course is to expose the students to interaction of plant with its surroundings and also the geographic distribution of different plants

(Credits: Theory-4, Practical-2)

THEORY

Lectures: 60

Unit 1: Introduction

(4 lectures)

Basic concepts; Levels of organization. Inter-relationships between the living world and the environment, the components and dynamism, homeostasis.

(15 lectures)

Unit 2: Soil : Importance, Origin, Formation, Composition, Physical, Chemical and Biological components, Soil profile, Role of climate in soil development; **Water**: Importance, States of water in the environment, Atmospheric moisture, Precipitation types (rain, fog, snow, hail, dew); Hydrological Cycle, Water in soil, Water table. **Light, temperature, wind and fire** Variations, adaptations of plants to their variation.

Unit 3: Biotic interactions:

(5 lectures)

Trophic organization, basic source of energy, autotrophy, heterotrophy; symbiosis, commensalism, parasitism;

Unit 4: Population ecology:

(6 lectures)

Characteristics and Dynamics Ecological Speciation

Unit 5: Plant communities

(6 lectures)

Concept of ecological amplitude; habitat and niche; Characters: analytical and synthetic; Ecotone and edge effect; Dynamics: succession – processes, types; climax concepts.

Unit 6: Ecosystems: Structure and Function

(12 lectures)

Ecological pyramids. Principles and models of energy flow; Production and productivity; Ecological Biogeochemical cycles; Cycling of Carbon, Nitrogen and Phosphorus.

Unit 7: Phytogeography

(12 lectures)

Principles; static and dynamic phytogeography, Continental drift; Theory of tolerance; Endemism; Brief description of major terrestrial biomes (one each from tropical, temperate & tundra); Phytogeographical regions of India; Local Vegetation.



Dr. Anand Kumar

Principal / অধ্যক্ষ
Namrup College / নামরুপ কলেজ
Dist. Dibrugarh / দিব্রুগড় জিলা
Pin - 786623 / পিন - ৭৮৬৬২৩

NAMRUP COLLEGE

P.O. Parbatpur, Dist.Dibrugarh, Assam, PIN-786623

(Estd. 1973)

NAAC Re-accredited (B-Grade; CGPA-2.27)

Syllabus of Education

SYLLABUS OF THE UG PROGRAMME IN EDUCATION
DIBRUGARH UNIVERSITY
B.A. IN EDUCATION (HONOURS)
DSEED603 / GEED202: GENDER AND EDUCATION
CREDIT: 6
[MARKS: 100 (IN-SEMESTER: 20; END-SEMESTER: 80)]

Expected Learning Outcome: On completion of the course, the students will be able to:

1. explain the meaning and nature of gender and its related terms.
2. describe the gender biases and gender inequality in family, school and society.
3. describe the gender issues related to school education.
4. analyse the laws and policies related to gender equality.

Course Content:

| Unit | Content | Marks | L | P | T |
|------|--|-----------|-----------|---|-----------|
| I | INTRODUCTION TO GENDER AND ITS RELATED TERMS: 1.1. Sex and Gender: meaning and concept 1.2. Difference between sex and gender. 1.3. Gender role: Concept and nature. 1.3.1. Types of gender role. 1.4. Patriarchal and Matriarchal: Concept and nature. • Gender role in patriarchal and matriarchal society 1.5. Social construct of Gender. 1.6. Gender Segregation: concept and nature • Types of gender Segregation: Horizontal & vertical 1.6.1. Gender segregation and education. 1.7. Gender marginalisation in education • Meaning, concept and nature • Causes of gender marginalisation in education • Measures for inclusion in education 1.8. Gender stereotyping: Meaning and concept • Issues and concern related to gender stereotyping in Indian society • Gender stereotyping and education. 1.9. Self silencing: concept and nature | 20 | 20 | | 4 |
| II | GENDER AND SOCIETY 2.1 Gender biases: Meaning and concept 2.1.1 Gender biases in • The family • The school environment • The society. 2.2. Gender socialization: Meaning and concept. 2.2.1. Gender socialization • Role of the family • Role of the school • Role of the society • Role media and popular culture (film and advertisement) 2.3 Gender inequality in education in terms of • Caste • Religion • Region 2.4 Issues related to women/girl child: A. Female foeticide and infanticide B. Sex ratio C. Honour killing D. Dowry E. Child marriage | 20 | 15 | | 4 |
| III | GENDER INEQUALITY IN THE SCHOOL: 3.1 Gender discrimination in the • Construction and dissemination of knowledge. • Text books • Hidden curriculum. 3.2 Gender inequality and school • Infrastructure • Curricular and co-curricular activities. 3.3 Gender issues in school education: Problem of Access, Retention, Stagnation and Drop-out. 3.4 Gender and equality: • Role of the school, peer, teacher, curriculum and textbooks in reinforcing equality. 3.5 Gender inclusive approach • Single sex school • Child friendly school • Girl friendly school Their significance in inclusive education. | 20 | 20 | | 3 |
| IV | LAWS, ARTICLES AND POLICIES TO BRING GENDER EQUALITY: 4.1 Introduction to laws related to women and social justice • Dowry • Remarriage • Divorce • Property rights • Trafficking. 4.2 Women reservation bills: History and current status. 4.3 Articles of Indian constitution related to education from gender equality perspective. 4.4 Educational policies and programmes from gender equality perspective. | 20 | 15 | | 3 |
| | | 80 | 70 | | 14 |



Dr. Anindya Deb
Principal / অধ্যক্ষ
Namrup College / নামরুপ কলেজ
Dist. Dibrugarh / দিব্রুগড় জিলা
Pin - 786623 / পিন - ৭৮৬৬২৩

NAMRUP COLLEGE

P.O. Parbatpur, Dist.Dibrugarh, Assam, PIN-786623

(Estd. 1973)

NAAC Re-accredited (B-Grade; CGPA-2.27)

Syllabus of Political Science

Semester-II

GE-2A: Feminism: Theory and Practice

Course Objective: The aim of the course is to explain contemporary debates on feminism and the history of feminist struggles. The course begins with a discussion on construction of gender and an understanding of complexity of patriarchy and goes on to analyze theoretical debates within feminism. The paper also covers the history of feminism in the west, socialist societies and in anti-colonial struggles. Further a gendered analysis of Indian society, economy and polity with a view to understanding the structures of gender inequalities.

Total Lectures and Tutorials – 84

Unit-I: Concepts in Feminism- Sex/Gender distinction, Patriarchy, Gender Socialisation, Sexual Division of Labour, Private-Public Dichotomy, Biologism versus social constructivism, Feminism

13 Lectures and 4 Tutorials

Unit-II: Approaches to the study of Feminism

Liberal, Socialist, Marxist, Radical feminism and Third World Approach

13 Lectures and 4 Tutorials

Unit-III Genesis of Feminist Movements in the West:

Seneca Falls Convention; Black Feminist Movement, Suffragist Movement in USA, Britain and France; the French Revolution and the Declaration of the Rights of Women and Female Citizen

13 Lectures and 4 Tutorials

Unit-IV: Genesis of Feminist Movement in the East:

Feminism and the Communist Revolution in China-Issues and Debates
Movement for Women's Emancipation-Rosa Luxemburg, Alexandria Kollontai
Feminist issues and women's participation in anti-colonial and national liberation movements in India

13 Lectures and 4 Tutorials

Unit-V: The Indian Experience:

Contemporary issues in Feminism: Environment, Domestic Violence, Rape, Dowry, Sexual Harassment at Workplace, Right to Property and Customary versus Constitutional Law; Gender Relations in India: Family- Matrilineal and Patrilineal; Women and Work

12 Lectures and 4 Tutorials



Dr. Anshu K. Deka

Principal / অধ্যক্ষ
Namrup College / নামরুপ কলেজ
Dist. Dibrugarh / দিব্রুগড় জিলা
Pin-786623 / পিন - ৭৮৬৬২৩

NAMRUP COLLEGE

P.O. Parbatpur, Dist.Dibrugarh, Assam, PIN-786623

(Estd. 1973)

NAAC Re-accredited (B-Grade; CGPA-2.27)

4.3 Course – X: Global Politics

Course objective: This course introduces students to the key debates on the meaning and nature of globalization by addressing its political, economic, social, cultural and technological dimensions. In keeping with the most important debates within the globalization discourse, it imparts an understanding of the working of the world economy, its anchors and resistances offered by global social movements while analyzing the changing nature of relationship between the state and trans-national actors and networks. The course also offers insights into key contemporary global issues such as the proliferation of nuclear weapons, ecological issues, international terrorism, and human security before concluding with a debate on the phenomenon of global governance.

Total Lectures and Tutorials - 84

- Unit- I Globalization: Conceptions and Perspectives** 13 Lectures and 4 Tutorials
a. Understanding Globalization and its Alternative Perspectives
b. Political: Debates on Sovereignty and Territoriality
- Unit- II. Issues and Institutions in Global Politics** 13 Lectures and 4 Tutorials
Global Economy: Its Significance and Anchors of Global Political Economy: IMF, World Bank, WTO
Global Resistances (Global Social Movements- World Social Forum, Amnesty International and Green Peace)
- Unit- III. Contemporary Global Issues-I** 13 Lectures and 4 Tutorials
Proliferation of Nuclear Weapons, NPT and CTBT
International Terrorism: Non-State Actors and State Terrorism; Post 9/11 developments (The UN initiatives)
- Unit-IV. Contemporary Global Issues -II** 13 Lectures and 4 Tutorials
Ecological Issues: Historical Overview of International Environmental Agreements, Climate Change, Global Commons Debate; Migration; Human Security
- Unit-V. Global Shifts: Power and Governance** 12 Lectures and 4 Tutorials
Concept of Global Governance; Role of Global Governance in Contemporary International Relations; Global North-South Debate



Dr. Anshu Kumar

Principal / অধ্যক্ষ
Namrup College / নামরুপ কলেজ
Dist. Dibrugarh / দিব্রুগড় জিলা
Pin - 786623 / পিন - ৭৮৬৬২৩

NAMRUP COLLEGE

P.O. Parbatpur, Dist.Dibrugarh, Assam, PIN-786623

(Estd. 1973)

NAAC Re-accredited (B-Grade; CGPA-2.27)

6.2 Course – XIV: Indian Political Thought-II

Course objective: Based on the study of individual thinkers, the course introduces a wide span of thinkers and themes that defines the modernity of Indian political thought. The objective is to study general themes that have been produced by thinkers from varied social and temporal contexts. Selected extracts from original texts are also given to discuss in the class. The list of additional readings is meant for teachers as well as the more interested students.

Total Lectures and Tutorials - 84

Unit-I: Introduction to Modern Indian Political Thought: Trends and Genesis

13 Lectures and 4 Tutorials

Unit-II: Reformist Political Thought- Rammohan Roy- Rights – Freedom of Press, Civil Liberties, Gender; Pandita Ramabai: Gender- Women's Education, Sarada Sadan

13 Lectures and 4 Tutorials

Unit-III: Nationalist Political Thought: Gandhi: Swaraj; Nehru: Secularism; Tagore: Critique of Nationalism

13 Lectures and 4 Tutorials

Unit-IV: Thoughts For Social Change: Ambedkar: Social Justice; Lohia: Socialism, M.N. Roy: Radical Humanism

13 Lectures and 4 Tutorials

Unit-V: Thoughts of Cultural Nationalism: Iqbal: Community; Savarkar: Hindutva

12 Lectures and 4 Tutorials



Dr. Anshu K. Deka

Principal / অধ্যক্ষ
Namrup College / নামরুপ কলেজ
Dist. Dibrugarh / দিব্রুগড় জিলা
Pin - 786623 / পিন - ৭৮৬৬২৩

NAMRUP COLLEGE

P.O. Parbatpur, Dist.Dibrugarh, Assam, PIN-786623

(Estd. 1973)

NAAC Re-accredited (B-Grade; CGPA-2.27)

Syllabus of Sociology

Core Course 07 Sociology of Gender

Course Objective:

The course introduces gender as a critical sociological lens of enquiry in relation to various social fields. It also interrogates the categories of gender, sex, and sexuality.

Course Outline

1. Gendering Sociology
 - 1.1 Sociology of Gender: An Introduction
 - 1.2 Gender, Sex, Sexuality
 - 1.3 Concept of Masculinity and Femininity
2. Gender Theories
 - 2.1 Feminism (Liberal feminism, radical feminism and social feminism)
 - 2.2 Marxian theory of gender
 - 2.3 Queer theory of Gender
3. Gender: Differences and inequalities
 - 3.1 Gender discrimination (family, caste, class and work)
 - 3.2 Gender and development
 - 3.3 Gender budgeting
4. Gender, Power and resistance
 - 4.1 Power and subordination (Patriarchy)
 - 4.2 Resisting and movements(LGBT movements)



Dr. Anshu
Principal / অধ্যক্ষ
Namrup College / নামরুপ কলেজ
Dist. Dibrugarh / দিব্রুগড় জিলা
Pin - 786623 / পিন - ৭৮৬৬২৩

NAMRUP COLLEGE

P.O. Parbatpur, Dist.Dibrugarh, Assam, PIN-786623

(Estd. 1973)

NAAC Re-accredited (B-Grade; CGPA-2.27)

Core Course 10

Social Stratification

Course Objective:

This course introduces students to Sociological Study of Social Inequalities. It acquaints students with principal theoretical perspectives on and diverse forms of Social inequality in articulation with each other.

Outline:

1.Introducing Stratification (2 weeks)

- 1.1. Definition of Social stratification
- 1.2. Idea of Inequality, Equality, Difference and hierarchy
- 1.3. Patterns of Social Stratification- Closed and Open

2. Theories of Stratification (5 Weeks)

- 2.1. Marx, Weber and Class
- 2.1. Functionalism

3. Identities and Inequalities(5 Weeks)

- 3.1. Caste, Race and Ethnicity
- 3.2. Feminism and Gendered Stratification

4.Mobility and Reproduction (2 Weeks)

- 4.1. Definition and types of social mobility
- 4.2. Concept of Social reproduction
- 4.3. Social Reproduction of- class and occupational categories



Dr. Anindya Deb
Principal / অধ্যক্ষ
Namrup College / নামরুপ কলেজ
Dist. Dibrugarh / দিব্ৰুগড় জিলা
Pin - 786623 / পিন - ৭৮৬৬২৩

NAMRUP COLLEGE

P.O. Parbatpur, Dist.Dibrugarh, Assam, PIN-786623

(Estd. 1973)

NAAC Re-accredited (B-Grade; CGPA-2.27)

Discipline Specific Elective 03 Environmental Sociology

Course Objective:

This course is designed to introduce students to the core debates of environmental sociology, different approaches within the sub-discipline and how these approaches may be used to understand environmental issues and movements in India.

Outline:

1. **Envisioning Environmental Sociology**
 - 1.1. Meaning , Definition, Nature and Scope
 - 1.2. Realist-Constructionist Debate.
2. **Environmental Approaches**
 - 2.1 Treadmill of Production
 - 2.2 Ecological Modernization
 - 2.3 Environmental Risk
 - 2.4 Ecofeminism and Feminist Environmentalism
 - 2.5 Political Ecology
3. **Environmental Movements in India**
 - 3.1 Forest based movement – Chipko
 - 3.2 Water based movement – Narmada
 - 3.3 Land based movements – Anti-mining and Seed
 - 3.4 Anti Big Dam Movements in North East India



Dr. Anand Kumar
Principal / অধ্যক্ষ
Namrup College / নামরুপ কলেজ
Dist. Dibrugarh / দিব্রুগড় জিলা
Pin - 786623 / পিন - ৭৮৬৬২৩

NAMRUP COLLEGE

P.O. Parbatpur, Dist.Dibrugarh, Assam, PIN-786623

(Estd. 1973)

NAAC Re-accredited (B-Grade; CGPA-2.27)

Syllabus of Zoology

B.Sc 1st Semester (Honours)

Course Code: ZC102T

CORE COURSE II: PRINCIPLES OF ECOLOGY

THEORY

(Credits 4)
(Lectures=60)

Unit 1: Introduction to Ecology

6 Lectures

History of ecology, Autecology and synecology, Levels of organization, Laws of limiting factors, Study of abiotic factors

Unit 2: Population

24 Lectures

Unitary and Modular populations

Unique and group attributes of population: Density, natality, mortality, life tables, fecundity tables, survivorship curves, age ratio, sex ratio, dispersal and dispersion Exponential and logistic growth, equation and patterns, r and K strategies
Population regulation - density-dependent and independent factors

Population interactions, Gause's Principle with laboratory and field examples, Lotka-Volterra equation for competition and Predation, functional and numerical responses

Unit 3: Community

12 Lectures

Community characteristics: species richness, dominance, diversity, abundance, vertical stratification, Ecotone and edge effect; Ecological succession with hydrosere
Theories pertaining to climax community

Unit 4: Ecosystem

14 Lectures

Types of ecosystems with one example in detail (Forest ecosystem), Food chain: Detritus and grazing food chains, Linear and Y-shaped food chains, Food web, Energy flow through the ecosystem, Ecological pyramids and Ecological efficiencies

Nutrient and biogeochemical cycle
with Nitrogen cycle as an example
Human modified ecosystem

Unit 5: Applied Ecology

4 Lectures

Concept of wildlife conservation (Usefulness, causes and consequences of degradation); Management strategies



Dr. Anand Kumar

Principal / অধ্যক্ষ
Namrup College / নামরুপ কলেজ
Dist. Dibrugarh / দিব্রুগড় জিলা
Pin - 786623 / পিন - ৭৮৬৬২৩

NAMRUP COLLEGE

P.O. Parbatpur, Dist.Dibrugarh, Assam, PIN-786623

(Estd. 1973)

NAAC Re-accredited (B-Grade; CGPA-2.27)

B.Sc 4th Semester (GE)

GE IV: ENVIRONMENT AND PUBLIC HEALTH

THEORY

(Credits 4)

(Lectures=60)

Unit 1: Introduction to Ecology

6 Lectures

History of ecology, Autecology and synecology, Levels of organization, Laws of limiting factors, Study of abiotic factors

Unit 2: Population

24 Lectures

Unitary and Modular populations

Unique and group attributes of population: Density, natality, mortality, life tables, fecundity tables, survivorship curves, age ratio, sex ratio, dispersal and dispersion Exponential and logistic growth, equation and patterns, r and K strategies
Population regulation - density-dependent and independent factors

Population interactions, Gause's Principle with laboratory and field examples, Lotka-Volterra equation for competition and Predation, functional and numerical responses

Unit 3: Community

12 Lectures

Community characteristics: species richness, dominance, diversity, abundance, vertical stratification, Ecotone and edge effect; Ecological succession with hydrosere
Theories pertaining to climax community

Unit 4: Ecosystem

14 Lectures

Types of ecosystems with one example in detail (Forest ecosystem), Food chain: Detritus and grazing food chains, Linear and Y-shaped food chains, Food web, Energy flow through the ecosystem, Ecological pyramids and Ecological efficiencies

Nutrient and biogeochemical cycle with Nitrogen cycle as an example

Human modified ecosystem

Unit 5: Applied Ecology

4 Lectures

Concept of wildlife conservation (Usefulness, causes and consequences of degradation); Management strategies



Dr. Anand Kumar

Principal / অধ্যক্ষ
Namrup College / নামরুপ কলেজ
Dist. Dibrugarh / দিব্রুগড় জিলা
Pin - 786623 / পিন - ৭৮৬৬২৩