**Outcome-Based Curriculum**

Department of Social Relations (DSR)

Faculty of Liberal Arts and Social Sciences

East West University  
Aftabnagar, Dhaka-1212, Bangladesh

**GEN203: Ecological System and Environment**

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| **Part A** | |
| 1. Course No./Course Code: | GEN203 |
| 2. Course Title: | Ecological System and Environment |
| 3. Course Type (Ged/Core Course/Electives): | Ged/Core Course/Electives |
| 4. Year /Level/Semester/Term: | Year 2 |
| 5. Academic Session: | Summer 2024 |
| 6. Course Teacher/Instructor: | Dr. Asib Ahmed  Associate Professor, Adjunct faculty  Department of Social Relations  East West University |
| 7. Pre-requisite (If any): | N/A |
| 8. Credit Value: | 3 |
| 9. Contact Hours | Please see my Google Classroom |
| 10. Total Marks: | 100 |
| 11. **Rationale of the Course**  The study of environment and society from an ecological point-of-view has emerged as much-needed discipline humanity since 1960 with the publication of the book Silent Spring by Rachel Carson. In this post-modern era of human society, with the rapidly depleting natural resources and biodiversity, and increasing pollution and climate change – the study of environment is regarded as one of the prerequisites for ensuring sustainability. In this context, this course is designed to introduce the basic ideas of environmental studies along with the concepts of its (environment) interactions with human society. | |
| 12. **Course Objectives**  The objective of this course is to help students learn basic environmental problems and ecological principles, develop their ability to use these principles to interpret ecological problems and understand the repercussions of environmental mismanagement. The course will discuss environmental issues with keeping the eye on development, and as well as the synergies of environment with human society.  13. **Course Learning Outcomes (CLOs) and Mapping of CLOs with Program Learning Outcomes (PLOs)** | |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | Course Learning Outcomes (CLO) | PLO1 | PLO2 | PLO3 | PLO4 | PLO5 | PLO6 | PLO7 | | **CLO1:** Demonstrate basic understanding of the concepts of environment, environmental history of earth and our society, ecological system, climate change, anthropogenic and natural disasters, and pollution. | √ | √ |  |  |  |  |  | | **CLO2:** Get basic idea about some of the components of the human ecosystem on earth, like development, globalization, population dynamics and urbanization | √ | √ |  | √ |  |  |  | | **CLO3:** Get idea about the multidimensional relationships between population, development, globalization, urbanization with the environment. |  | √ | √ | √ |  |  | √ | | **CLO4:** Acquire analytical skills to identify root causes of environmental degradations, climate change and biodiversity loss in local and global scale. |  | √ | √ | √ |  |  | √ | | |
| **Part B** | |
| **1**4. **Course plan specifying content, CLOs, co-curricular activities (if any), teaching learning and assessment strategy mapped with CLOs**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Week | Topic | Teaching Learning Strategy | Assessment Strategy | Corresponding CLOs | | 1 | **Overview of the course**  - To acquire general idea about the subject and the course.  - To grasp the course content  - To comprehend the policies of the class. | - Students will give brief introduction about themselves  - Course outline will be discussed in detail  - Open discussion, and Q & A Session |  |  | | 2,3 | **Brief Environmental History**  - environmental history of human civilization on Earth  - future of human- environment relationship | Lecture discussion with PPT,  video presentation | Class Practice, Quiz, Mid Term Assessment | 1 | | 4 | **Human Dependence on Environment**  - Environmental systems and interconnection among them  - To understand about ecosystem, its components, and ecosystem services | Lecture discussion with PPT, Case study, interactive discussion. | End-of-Chapter assessment, Mid Term Assessment, Mind Mapping | 2 | | 5,6 | **Population and Environment**  - basics of population and population dynamics  - population-environment relationship (e.g. consequences of population growth on environment, quadruple squeeze, ecological footprint) | Lecture discussion with PPT, Case study | Quiz, Class Assessment, Mid Term Assessment | 3,4 | | 7,8 | **Development and Environment**  - basic concepts of development, which includes tragedy of commons, GDP, HDI, Environmental performance index, sustainable development, sustainable development goals  - relationship between of development, economic growth, and environment | Lecture discussion with PPT, Mind mapping, Game of Tragedy of commons | Quiz, End-of-chapter assessment, Final assessment | 2,3,4 | | 9,10 | **Urbanization and Environment**  - basic concepts of Urban (e.g. definition, Factors of urban growth, level of urbanization, Consequences of urbanization)  - relationship between of urbanization and environment (e.g. positive and negative consequences on environment)  - future challenges of urbanization | Lecture discussion with PPT | Quiz, End-of-chapter assessment, Final assessment | 2,3,4 | | 11,12 | **Globalization and Environment**  - basics of globalization (e.g. definition, tools and types of globalization, globalization, emerging environmental issues, Global environmental politics)  - relationships between of globalization and environment | Lecture discussion with PPT, Case study | Quiz, End-of-chapter assessment, Mid Term Assessment | 2,3,4 | | 13,14 | **Global Climate Change**  - basic concept of climate change, hazard and disaster  **-** impact of climate change on our society and environment | Lecture discussion with PPT, interactive session | Quiz, End-of-chapter assessment, Final assessment | 2,3,4,7 | | 15,16 | **Environmental pollution**  - basics of current and emerging pollution (e.g. forever materials, novel chemicals, plastic and microplastic, invasive species) | Lecture discussion with PPT, Case study | Quiz, End-of-chapter assessment, Final assessment |  | | 17,18 | **Environmental resource and conflict**  - acquaint with the idea of connection that exists between resource, peace, and conflict, environmental issues and management in Bangladesh | Case study, Open discussion, and Q & A Session. | Quiz, End-of-chapter assessment, Final assessment | 2,3,4,7 | | |
| **Part C** | |
| 15. **Assessment and Evaluation**  15.1. **Assessment Strategy**   |  |  | | --- | --- | | Attendance | Student will be given certain scores based on their attendance in class lectures and activities | | Quiz | best score will be counted for 100 level courses, average scores for 200 and above level course.  Several quizzes will be taken. Average scores will be counted. Quizzes will be based on MCQ and true/false types of question. Makeup of quiz is not allowed. | | Group Activity /Class Activity | Student will be given case studies/ scenario/ data along with questions to analyze with their knowledge. There will be several class activities. Faculty will inform about these the class/ day before only. No make-up is allowed | | Case Study/ Critical Incident Analysis/ End-of-Chapter Types Problems | Student will be given case studies/ scenario/ data along with questions to analyze with their knowledge. There will be several class activities. Faculty will inform about these the class/ day before only. No make-up is allowed | | Term Paper/ Assignment/ Project Work/ Seminar Presentation/ Viva | Modalities and details will be shared later during classes | | Mid Term Assessment | Essay writing/ critical incident analysis/ unstructured/ restricted-response question | | Final Exam | Essay writing/ critical incident analysis/ unstructured/ restricted-response question | | |
| 15.2. **Marks distribution**   |  |  | | --- | --- | | a) Continuous Assessment | | | Attendance | 05 | | Quiz | 10 | | Group Activity /Class Activity | 05 | | Case Study/ Critical Incident Analysis/ End-of-Chapter Types Problems | 10 | | Term Paper/ Assignment/ Project Work/ Seminar Presentation/ Viva | 10 | |  | | | b) Summative Assessment | | | Midterm Assessment | 25 | | Final Exam | 35 | | Total | 100 | | |
| **Grading Policy**   |  |  |  | | --- | --- | --- | | Grading scale | Grades | Grade Point | | 80 - 100 | A + | 4.00 | | 75 - 80 | A | 3.75 | | 70 - 75 | A - | 3.50 | | 65 - 70 | B + | 3.25 | | 60 - 65 | B | 3.00 | | 55 - 60 | B - | 2.75 | | 50 - 55 | C + | 2.50 | | 45 - 50 | C | 2.25 | | 40 - 45 | D | 2.00 | | < 40 | F | 0.00 |   15.3 **Make-up Procedures**  Make-up tests will not be allowed unless you have a justifiable and documented reason. There will be no exceptions. It is the student's responsibility to obtain permission and to make arrangements for a make-up test. If these procedures are not followed, a score of zero will be given for the exam. Makeup of quiz or any other continuous assessment is not allowed. | |
| **Part D** | |
| 16. **Learning Materials**  16.1 Recommended Readings   * Park, C, (2001) The environment: principles and applications. London: Routledge * Peet, R. and with Hartwick, E. (1999) Theories of Development. Guildford. * Sutton W P (2007) The Environment: A sociological introduction, UK: policy Press, Cambridge   16.2 Supplementary Readings   * Blaikie, P., 2000. Development, post-, anti-, and populist: a critical review. Environment and Planning A, 32(6), pp.1033-1050. * Khuda, Zinatunnessa R M M (2001) Environmental Degradation: Challenges of the 21st Century, Dhaka. * Miller G T (2000) Living in the environment: Principles, Connections and Solution, Pacifica grove Publishing * Peet, R. and with Hartwick, E. (1999) Theories of Development. Guildford. | |