**INSTITUTE OF EDUCATION**

**COURSE OUTLINE: (GEELECT 1) - PEOPLE AND THE EARTH’S ECOSYSTEM**

Learning Activities Plan:

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| **Course Content** | **Timetable (in hrs)** |
| **I. Orientation and Introduction to the Course** | 1.5 |
| **II. IMPACT OF HUMAN ACTIVITIES ON THE ENVIRONMENT**  A.CONSUMPTION SECTORS  a.1 Agriculture and forestry  a.2 Fishing and hunting  a.3 Urban and industry  a.4 Water use  a.5 Energy and transport | 6 |
| B. PRESSURES ON ECOSYSTEMS AND BIODIVERSITY  b.1 Habitat loss, alteration and fragmentation  b.2 Over exploitation  b.3 Invasive Species  b.4 Pollution  b.5 Climate Change | 6 |
| C. IMPACTS ON ECOLOGICAL SERVICES  c.1 Provisioning Services  c.2 Regulating Services  c.3 Supporting Services  c.4 Cultural Services | 12 |
| D. IMPACTS ON HUMAN WELL-BEING  d.1 Security  d.2 Basic Material for Good Life  d.3 Health  d.4 Good Social Relations | 3 |
| **Midterm Examinations** | **3** |
| **III. CONSEQUENCES OF ENVIRONMENT MODIFICATION ON HUMAN ACTIVITY** |  |
| 1. ENVIRONMENTAL CHANGE AND INFECTIOUS DISEASE   a.1 Changes to Habitats and the Density of Disease-related Organisms  a.2 Changes in Exposure Pathways  a.3 Genetic Alterations  a.4 Changes in Life Cycle of Vectors or Pathogens  a.5 Changing Species Composition | 9 |
| 1. ENVIRONMENTAL CHANGE, FOOD, AND NUTRITION   b.1 Water and Sanitation  b.2 Natural Disasters  b.3 Air Pollution  b.4 Population Displacement | 3 |
| 1. ADAPTING TO THE HEALTH IMPACTS OF CLIMATE CHANGE   c.1 Approaches to Adaptation  c.2 Health and Environmental Co-Benefits of Family Planning | 3 |
| 1. MOVING FORWARD IN A CHANGING WORLD   d.1 Research and Decision Making   1. d.2 Confronting Environmental Change, Confronting Vulnerability | 4.5 |
| **Final Examinations** | **3** |