**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 SECTORSa.1 Agriculture and forestrya.2 Fishing and huntinga.3 Urban and industrya.4 Water usea.5 Energy and transport | 6 |
| B. PRESSURES ON ECOSYSTEMS AND BIODIVERSITYb.1 Habitat loss, alteration and fragmentationb.2 Over exploitationb.3 Invasive Speciesb.4 Pollutionb.5 Climate Change | 6 |
| C. IMPACTS ON ECOLOGICAL SERVICESc.1 Provisioning Servicesc.2 Regulating Servicesc.3 Supporting Servicesc.4 Cultural Services | 12 |
| D. IMPACTS ON HUMAN WELL-BEINGd.1 Securityd.2 Basic Material for Good Lifed.3 Healthd.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 Organismsa.2 Changes in Exposure Pathwaysa.3 Genetic Alterationsa.4 Changes in Life Cycle of Vectors or Pathogensa.5 Changing Species Composition | 9 |
| 1. ENVIRONMENTAL CHANGE, FOOD, AND NUTRITION

b.1 Water and Sanitationb.2 Natural Disastersb.3 Air Pollutionb.4 Population Displacement | 3 |
| 1. ADAPTING TO THE HEALTH IMPACTS OF CLIMATE CHANGE

c.1 Approaches to Adaptationc.2 Health and Environmental Co-Benefits of Family Planning | 3 |
| 1. MOVING FORWARD IN A CHANGING WORLD

d.1 Research and Decision Making1. d.2 Confronting Environmental Change, Confronting Vulnerability
 | 4.5 |
| **Final Examinations** | **3** |