BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK

DEPARTMENT OF CIVIL ENGINEERING



LESSON PLAN

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| SUBJECT: ENVIRONMENTAL STUDIES (TH 5) | ACCADEMIC SESSION: 2021-22 |
| FACULTY: MRS PUNYASA SEEYARAM | SEMESTER: 3 RD |
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| H O D (Civil Engg.) |

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| Discipline:  Civil engineering | **Semester:**  **3rd** | | **Name of the teaching faculty:**  **PUNYASHA SEEYARAM** |
| Subject:  Environmental Studies | **No of days/per week class allotted :04 period per week (mon,wed,thu,sat- 1 period each** | | **Semester from date:1/10/2021**  **To date: 08/01/2022 ,no of week -14 weeks** |
| **Week** | **Class day** | **No of period available** | **Theory topics** |
| 1st | 04/10/2021 | 1 | 1.1 Definitions and scope |
| 2nd | 06/10/2021 | 1 | 1.2 Importance and Need for public awareness |
| 07/10/2021 | 1 | 2.1 Renewable and non renewable resources and  2.2 Associated problems |
| 09/10/2021 | 1 | 2.3 Forest resources |
| 21/10/2021 | 1 | 2.4 water Resources |
| 3rd | 25/10/2021 | 1 | 2.5 Mineral resources |
| 27/10/2021 | 1 | 2.6 Food resources. |
| 28/10/2021 | 1 | 2.7 Energy resources |
| 4th | 30/10/2021 | 1 | **Monthly Test** |
| 1/11/2021 | 1 | 2.8 land resources  2.9 Role of individual and equitability use of resources |
| 3/11/2021 | 1 | 3.1 Concept, structure and function of Ecosystem |
| 6/11/2021 | 1 | 3.2 Producers, consumer, decomposers and energy flow in ecosystem |
| 5th | 02/11/2021 | 1 | 3.3 ecological succession and food chain, food webs and ecological pyramids |
| 05/11/2021 | 1 | 3.4 Introduction, types, characteristics, structure and function of ecosystem. |
| 06/11/2021 | 1 | 3.5 forest ecosystem |
| 6th | 08/11/2021 | 1 | 3.6 aquatic ecosystem |
| 10/11/2021 | 1 | 4.1 introductions – definition and Biogeographically classification. |
| 11/11/2021 | 1 | 4.2 Value of bio-diversity |
| 13/11/2021 | 1 | 4.3 Bio-diversity at global, national and local level |
| 7TH | 15/11/2021 | 1 | 4.4 Threats to bio-diversity |
| 17/11/2021 | 1 | 5.1 Air pollution |
| 18/11/2021 | 1 | 5.2 water pollution |
| 8TH | 20/11/2021 | 1 | 5.3 soil pollutions |
| 22/11/2021 | 1 | 5.4 marine pollutions |
| 24/11/2021 | 1 | 5.5 noise polutions |
| 29/11/2021 | 1 | 5.6 Thermal and nuclear hazards |
| 9TH | 30/11/2021 | 1 | **Monthly Test** |
| 01/12/2021 | 1 | Internal Assessment |
| 02/12/2021 | 1 | Internal Assessment |
| 04/12/2021 | 1 | 5.7 Solid waste management & role of individuals in prevention of pollution |
| 10TH | 06/12/2021 | 1 | 5.8 Disaster management |
| 08/12/2021 | 1 | 6.1 Form unstainable to sustainable development and urban problems related to energy |
| 09/12/2021 | 1 | 6.2 water conservation, rain water harvesting, water shed management |
| 11/12/2021 | 1 | 6.3 resettlement and rehabilitation of people and environmental ethics |
| 11TH | 13/12/2021 | 1 | 6.4 climate change, global warming, acid rain |
| 15/12/2021 | 1 | 6.5 Ozone layer and nuclear accident |
| 16/12/2021 | 1 | 6.6 Air act |
| 18/12/2021 | 1 | 6.7 Water act |
| 12TH | 20/12/2021 | 1 | 7.1 Public awareness |
| 22/12/2021 | 1 | 7.2 population growth |
| 23/12/2021 | 1 | 7.3 variation among nation |
| 13TH | 27/12/2021 | 1 | 7.4 Population explosion  7.5 Environment and human health |
| 29/12/2021 | 1 | **Monthly Test** |
| 30/12/2021 | 1 | 7.6 Human rights  7.9 Value education |
| 14TH | 03/01/2022 | 1 | 7.9 a) Role of information technology in environment |
| 05/01/2022 | 1 | Role of information and technology in human health |
| 06/01/2022 | 1 | Revision |
| 08/01/2022 | 1 | Revision |