

Master of Science (Climate Change and Green Technology) – 2023

FIRST SEMESTER

| Course Code | Course Title | Lectures | Tutorial | Practical | FW/SW | Total |
|-------------|--|-----------|-----------|-----------|--------|---------|
| | | (L) Hours | (T) Hours | (P) Hours | Credit | Credits |
| | | Per Week | Per Week | Per Week | | |
| | Fundamentals of Climate | 4 | - | - | 2 | 5 |
| | Principles of Green Technology | 4 | - | - | 2 | 5 |
| | Renewable Energy Technologies | 4 | - | 2 | ı | 5 |
| | Impacts and Dynamics of Climate Change | 4 | - | - | ı | 4 |
| | Energy Policy | 4 | - | - | ı | 4 |
| BC604 | Communication Skills - I | 3 | - | - | | 3 |
| | Foreign Language – I | | | | | |
| FREN145 | French | | | | | |
| GRMN136 | German | | | | | |
| SPAN144 | Spanish | | | | | |
| JPAN116 | Japanese | | | | | |
| CHIN116 | Chinese | 2 | _ | _ | | 2 |
| | Open Electives (OE) | 0-2 | - | - | | 0-2 |
| | TOTAL REQUIRED | | | | | 28 |

SECOND SEMESTER

| Course Code | Course Title | Lectures (L) Hours Per Week | Tutorial (T) Hours Per Week | Practical (P) Hours Per Week | FW Credit | Total Credits |
|---|--|-----------------------------------|-----------------------------------|------------------------------------|--------------|------------------|
| | Energy Efficiency and its Conservation | 3 | - | - | - | 3 |
| | Climate Resilient Agriculture | 3 | - | 2 | - | 4 |
| | Sustainable Urban Planning | 4 | - | - | - | 4 |
| | Circular Economy and Sustainability | 3 | - | 2 | - | 4 |
| | Energy Audit, Monitoring and Management | 3 | _ | - | - | 3 |
| BS602 | Behavioral Science - II | 3 | - | - | | 3 |
| FREN104 GRMN104 SPAN103 JPAN102 CHIN102 | Foreign Language – II French German Spanish Japanese Chinese | 2 | - | - | | 2 |
| | Specialization Electives: (Select any two) | 2 | | | | 2 |
| | Ecological Footprint & Carbon Credit Geospatial technology for Climate Study | 3 | - | 2 | - | 3 4 |
| | Climate Change and Public Health | 3 | - | 2 | - | 4 |
| | Climate Change Economics and Policy | 3 | - | - | - | 3 |
| | Environmental Statistics | 3 | - | 2 | - | 4 |
| | Applications of Green Technologies | 3 | - | | - | 3 |
| | TOTAL REQUIRED | | | | | 27-29 |

THIRD SEMESTER

| Course Code | Course Title | Lectures (L) Hours Per Week | Tutorial (T) Hours Per Week | Practical (P) Hours Per Week | FW Credit | Total Credits |
|-------------|---|-----------------------------------|-----------------------------------|------------------------------------|--------------|------------------|
| | Sustainable Architecture and Green Building Design | 3 | - | - | - | 3 |
| ESCM733 | Environmental Impact Assessment and Green Auditing | 3 | - | - | - | 3 |
| | Climate Modelling and Analytics | 3 | - | - | - | 3 |
| | Foreign Language – III French German Spanish Japanese Chinese | 2 | - | - | | 2 |
| | Specialization Electives: (Select any three) | | | | | |
| | Sustainable Business Practices | 3 | - | - | - | 3 |
| | Sustainable Water Management | 3 | - | - | - | 3 |
| | Vulnerability Assessment Techniques of Climate Change | 3 | - | - | - | 3 |
| | Climate Change and Artificial Intelligence | 3 | - | 2 | - | 4 |
| | Climate Change and Disaster Risk Reduction | 3 | - | 2 | - | 4 |
| | Domain Electives (DE) | 0-3 | | | | |
| | Open Electives (OE) | 0-2 | | | | |
| | Summer Internship | 3 | - | - | - | 3 |
| | Value Added Course: Professional Ethics | 2 | - | | - | 2 |
| | TOTAL REQUIRED | | | | | 28 |

FOURTH SEMESTER

| D | issertation | | 19 |
|-------|---------------|--|----|
| 1 '17 | OTAL REQUIRED | | 19 |