**Field of Study: Human Ecology**

**Program: Master of Science**

**1st semester**

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| --- | --- | --- | --- | --- | --- |
| **Course Title** | **Course Code** | **Course****Type** | **Number & Type of Credits** | **Credit** | **Prerequisite Course Code** |
| **Theoretical** | **Practical** | **Workshop** |
| Medical Information Systems | 03 | Compensation | 0.5 | 0.5 | ------ | 1 | ------ |
| Advanced Proprietary English Language | 10 | Proprietary-Compulsory | 2 | ------ | ------ | 2 | ------ |
| Demography and Family Planning | 01 | Compensation | 2 | ------ | ------ | 2 | ------ |
| Biostatistics | 04 | Compensation | 3 | ------ | ------ | 3 | ------ |
| Principles of Human Ecology | 05 | Proprietary-Compulsory | 2 | 1 | ------ | 3 | ------ |
| Water Quality Management | 17 | Proprietary-Elective | 2 | ------ | ------ | 2 | ------ |
| Principles of Environmental Toxicology | 21 | Proprietary-Elective | 2 | ------ | ------ | 2 | ------ |

**2nd semester**

|  |  |  |  |  |  |
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| **Course Title** | **Course Code** | **Course****Type** | **Number & Type of Credits** | **Credit** | **Prerequisite Course Code** |
| **Theoretical** | **Practical** | **Workshop** |
| Advanced Biostatistics | 07 | Proprietary-Compulsory | 2 | ------ | ------ | 2 | 04 |
| Principles of Environmental Toxicology | 21 | Proprietary-Elective | 2 | ------ | ------ | 2 | ------ |
| Principles of Epidemiology and Research Methodology | 02 | Compensation | 3 | ------ | ------ | 3 | ------ |
| Human Ecology and Sustainable Development | 11 | Proprietary-Compulsory | 2 | 1 | ------ | 3 | 05 |
| Ecosystems and their essential components | 06 | Proprietary-Compulsory | 2 | ------ | ------ | 2 | ------ |

**3rd semester**

|  |  |  |  |  |  |
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| **Course Title** | **Course Code** | **Course****Type** | **Number & Type of Credits** | **Credit** | **Prerequisite Course Code** |
| **Theoretical** | **Practical** | **Workshop** |
| Apprenticeship in the Field | 12 | Proprietary-Compulsory | ------ | 2 | ------ | 2 | ------ |
| Food & Population | 15 | Proprietary-Elective | 2 | ------ | ------ | 2 | ------ |
| Application of Remote Sensing & Geographic Information System (GIS) | ------ | Proprietary-Elective | 1.5 | ------ | 0.5 | 2 | ------ |
| Management of Ecosystems | 14 | Proprietary-Elective | 2 | ------ | ------ | 2 | ------ |
| Research Methodology & Computer Application in Human Ecology | 09 | Proprietary-Compulsory | 1 | 1 | ------ | 2 | 02 |
| Environmental Survey | 08 | Proprietary-Compulsory | 1 | 1 | ------ | 2 | 04 |

**4th semester**

|  |  |  |  |  |  |
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| **Course Title** | **Course Code** | **Course** **Type** | **Number & Type of Credits** | **Credit** | **Prerequisite Course Code** |
| **Theoretical** | **Practical** | **Workshop** |
| Master's research  |  |  | ------ | 6 | ------ | 6 | ------ |