## M.Sc. Sustainable Resource Management

Sample curriculum (1) with a focus on the Science *Topics 1. Climate, Air and Water; 5. Material and Waste Management and 6. Renewable Resources*. The mobility window can be in the 2nd or 3rd semester.

| Semester | Modules | | | | | | Credits/ Exams |
|---|---|---|---|---|---|---|---|
| 1. | WZ1821 Natural Resources - Traits, Management and Theory of Sustainability (required)<br>K<br>5 CP | LS50032 Systems Analysis, Terrestrial Sampling and Statistics (required)<br>K<br>5 CP | LS50031 Introduction to GIS and Remote Sensing (required)<br>K<br>5 CP | LS50030 Scientific Writing (required)<br>W<br>5 CP | WZ4202 Political and Social Perspectives of Renewable Resources (elective)<br>W<br>5 CP | WZ2732 Environmental Monitoring and Data Analysis (elective)<br>K<br>5 CP | 30/6 |
| 2. | WZ4098 Forestry Raw Materials and their Utilization (elective)<br>K<br>5 CP | WZ2720 Renewable Energy Technologies (elective)<br>K<br>5 CP | WZ4206 Material Flow Management and Application (elective)<br>W<br>5 CP | ED130092 Waste and Waste Water Treatment (elective)<br>K<br>5 CP | WZ2731 Hydrometeorology and Management of Water Resources (elective)<br>M<br>5 CP | LS50026 Spatial Ecology (elective)<br>K<br>5 CP | 30/6 |
| 3. Mobility window | WZ2723 Utilization and Treatment of Special Materials and Waste (elective)<br>K<br>5 CP | WZ2724 Emission Control in Land-Use and Animal Husbandry (elective)<br>M<br>5 CP | WZ2730 Climate Change Science, Impacts and Adaptation, Mitigation (elective)<br>M<br>5 CP | WZ2936 Sustainable and Environmental Regulations (elective)<br>PRÄ<br>5 CP | LS10013 Internship (7 weeks) (elective)<br>B (SL)<br>10 CP | | 30/5 |
| 4. | WZ2754<br>Master's Thesis<br>B (SL) + W<br>30 CP | | | | | | 30/2 |
| Key | dark blue = final thesis<br>blue = elective modules<br>grey = required modules | | | CP = credit points; SL = coursework;<br>K = klausur (written exam); M = oral exam; PRÄ = presentation;<br>B = report; PA = project work; W = research paper | | | |

## M.Sc. Sustainable Resource Management

Sample curriculum (2) with a focus on the Science Topics *4. Management and Protection of Forest Systems* and *8. Sustainable Agricultural Systems and Products*. The mobility window can be in the 2nd or 3rd semester.

| Semester | Modules | | | | | | Credits/ Exams |
|---|---|---|---|---|---|---|---|
| 1. | WZ1821 Natural Resources - Traits, Management and Theory of Sustainability (required)<br>K<br>5 CP | LS50032 Systems Analysis, Terrestrial Sampling and Statistics (required)<br>K<br>5 CP | LS50031 Introduction to GIS and Remote Sensing (required)<br>K<br>5 CP | LS50030 Scientific Writing (required)<br>W<br>5 CP | WZ1822 Introduction to Economics and Business Ethics (elective)<br>K<br>5 CP | WZ0322 Ecological Colloquium: Scientific Foundations and Applications in Practice (elective)<br>B<br>5 CP | 30/6 |
| 2. Mobility window | WZ1561 Value Chain Economics<br>PA<br>5 CP | WZ4161 Forest Management (elective)<br>M<br>5 CP | WZ4197 Protected Areas Biodiversity and Management (elective)<br>K<br>5 CP | WZ4198 Wildlife Management and Wildlife-Human Interactions (elective)<br>W<br>5 CP | LS10013 Internship (7 weeks) (elective)<br>B (SL)<br>10 CP | | 30/5 |
| 3. | WZ2717 Genetic Resources Management and Forest Protection (elective)<br>K<br>5 CP | WZ4082 Plantation Forestry and Agroforestry (elective)<br>M<br>5 CP | MGT001412 Sustainablility Assessment of Agri-Food Supply Chains (elective)<br>B<br>5 C | WZ2734 Soil Protection (elective)<br>M<br>5 CP | LS10016 Environment, Agriculture and Food<br>B<br>5 CP | LS10013 Modelling and Statistical Analysis of Large Arrays<br>PO<br>5 CP | 30/6 |
| 4. | WZ2754<br>Master's Thesis<br>B (SL) + W<br>30 CP | | | | | | 30/2 |
| Key | dark blue = final thesis<br>blue = elective modules<br>grey = required modules | | | CP = credit points; SL = coursework;<br>K = klausur (written exam); M = oral exam; PRÄ = presentation;<br>B = report; PA = project work; PO = portfolio; W = research paper | | | |