

## Ecology, Forest and Natural Resources MASTER DEGREE STUDIES

Ilia State University ISU Life Sciences Master Program

### **Studies in Ecology, Forest and Natural Resources and Biodiversity Sciences and Sustainable Management**

at the Institute of Ecology - Ilia State University

**Ecology (ME)** Our Master Studies in Ecology (ME) aim to equip students with deep knowledge of modern ecology concepts, present the state of ecology science, concentrate on important issues and problems and their solutions, as well as how to study ecological and evolutionary science using mathematical, computer and molecular genetic methods, how to formulate scientific research questions and plan experiments. Additionally, the program strives at providing students with systematic knowledge of flora and fauna of the Caucasus and the world. Students will learn methods of planning protected territories, spice conservation and sustainable land usage. After their first semester, students will choose one out of four specializations: Plant Ecology, Animal Ecology (marine mammals or terrestrial mammals), Quantitative Ecology or Evolutionary Ecology in which they are expected to develop their thesis work. Graduates can pursue their carrier in: governmental and non-governmental organizations working on protection and rational utilization of natural resources – national parks, fishing and hunting management, state agencies, national and international environment protection organizations, as experts in ecology in national and international companies and firms, institutions working on animal and plant conservation – zoos, botanical gardens, scientific institutions – universities, research institutes and labs and in case of particular success, continue their education at a PhD level in Georgia or abroad. Applicants for ME studies should be able to follow lectures given in English language, as this will occur whenever foreign lecturers and students are participating in this program.

#### **Contacts:**

Plant Ecology

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Animal Ecology - focus terrestrial and marine mammal ecology

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Quantitative and Evolutionary Ecology

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### **Natural and Forest Resources and Biodiversity (MSc)**

Our international and interdisciplinary Master of Science Studies (MSc) in Natural and Forest Resources and Biodiversity aim at developing advanced academic and professional knowledge and skills in nature- and forest-related subject matters, acquiring systematic knowledge of forest and land ecosystems, nature and renewable biological resources. The programs are strongly cooperating in the international context, offering interesting perspectives for the proactive student. Theory and practice will be conveyed in the relevant international, regional and local contexts. The highly diverse mountain and lowland ecosystems context of Georgia and the Caucasus will serve as a wonderful ground for teaching and research. The studies in this field offer, from the end of the first semester onwards, three different specializations for students: '**Forest sciences**', '**Wildlife management**' and '**Nature conservation and sustainable development**'; they cover general disciplines such as introduction to natural and forest sciences, environmental and forest law, forest history and policy as well as ecosystems ecology. The specializations cover nature science and methodological subjects, either closely related to forest ecology

or to general and land ecosystem sciences. Participants will develop advanced professional and scientific judgment and become capable to prepare scientific assessments and studies.

Master graduates will be prepared to successfully work and contribute to universities and research institutions, ministries and governmental agencies, local authorities, consultant enterprises NGO, national and international organizations related to the environment and the natural resources.

Applicants for MSc studies will have to prove B1-level proficiency in English language, as this program of study involves a high portion of subjects offered in English language and/or by foreign Professors.

**Contact:**

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