National Research Tomsk State University

Biological Institute Tomsk State University

«International Master's Degree (MSc) in Biodiversity»

Biological Institute, Tomsk State University (TSU)



Programme description

This International Master's Degree (MSc) presents a comprehensive overview of the science about biological diversity ecology, evolution and dynamics, and of the methods for diversity analysis, calculation and estimation. This MSc covers the theoretical and practical issues involved in biodiversity theory, in conducting surveys and inventories of biodiversity, analysing the information gathered, and applying their analysis to ecological and conservation problems.
New concepts about ecology, biological diversity and conservation will be covered during all the MSc. The first year of the program will be mostly based on the theoretical background, with some practical and field activities. The second year will focus on how to identify species, analyse data using the appropriate statistics and software package (bioinformatics), and use the ecological data in conservation biology and to write scientific papers. Original data, collected by the student and the instructors in the field, will be used throughout the program.

This programme is designed to prepare students for a career in research and conservation, or for further academic steps at Ph.D. level.

This International MSc programme offers a total of 24 courses that can be divided into four categories:
- Ecological, Evolutionary and Systematic theory;
- Biodiversity identification and classification;
- Biodiversity analysis;
- Practical skills and field activities.

TSU labs, zoological and paleontological museums, herbarium, greenhouse, botanical garden, the Bio-Clim-Land Centre of Research Excellence and other agreed upon Asian and world research centres will be available to the students of this international MSc's Degree.
In addition to living in the cosy city of Tomsk (students will be accommodate in the new comfortable university's dormitory in front of the Tom river) and visit Siberia, best students will also have the unique opportunity to participate at the Aktru Glacier Summer School (Altai Mountains, Russia) and the Ivindo Forest Winter School (Gabon, Africa).







Information

Prerequisites to enter the MSc are: i) a Bachelor's Degree in Science or comparable degrees; ii) knowledge of English; iii) at least one graduate level of ecology or general biology course.

An entry exam on biological topics (in English) and an interview with the director of the master's program will be required to all students.

Total cost of the MSc (for 2 years): €10,000.

Contacts and info

Msc Director and Scientific Coordinator:
Roberto Cazzolla Gatti, Ph.D., Associate Professor, Biological Institute and Bio-Clim-Land Centre, Tomsk State University, email: robertocazzollagatti@mail.tsu.ru or robertocgatti@gmail.com

Msc Administrative Manager:
Tatiana S. Kirpotina, Bio-Clim-Land Centre, Biological and Biophysical Institute, Tomsk State University, email: kirpota@inbox.ru