

Opasraportti

LuTK - International Master's Programme in Ecology and Population Genetics (2017 - 2018)

International Master's Degree Programme in Ecology and Population Genetics (ECOGEN)

MSc degree specialisation is ecology or bioscience. MSc degree (120 ECTS) includes minimum 80 ECTS major studies in Ecology or Genetics. Degree does not include compulsory minor. Instead student can choose 40 ECTS optional advanced major courses, optional minors and single courses which are important for the student's personal study plan.

Specialisation Ecology, Major Ecology 120 ECTS

Compulsory major studies (70 ECTS):

Master of science seminar	750678S 5 ECTS
Final examination in biology	750656S 10 ECTS
Pro gradu thesis in biology	750658S 40 ECTS
Maturity exam	750632S 0 ECTS
Methods in ecology I	755625S 5 ECTS
Methods in ecology II	755629S 5 ECTS
Introduction to molecular ecology	756650S 5 ECTS

Optional major studies (minimum 10 ECTS):

Special seminar in biology	750653S 2-5 ECTS
Special lecture in biology	750654S 2-5 ECTS
Practical training	750615S 10-15 ECTS
Research training	750613S 2-14 ECTS
Research group seminar	750661S 2-5 ECTS
Thursday seminar in biology	750618S 2 ECTS
Kaamos symposium	750629S 2 ECTS
Basic identification of animals	751673S 5 ECTS
Examination on optional topics in biology	750649S 2-6 ECTS
Optional examinations in environmental protection	750699S 2-6 ECTS
Field course in aquatic animals	755621S 5 ECTS
Field course in terrestrial animals	755622S 5 ECTS
Conservation of biodiversity	756647S 5 ECTS
Restoration ecology	755632S 5 ECTS
Winter ecology and physiology	750677S 5 ECTS
Ecological responses to global change and air pollution in the subarctic	756648S 5-8 ECTS
Functional animal ecology	755624S 5 ECTS
Wildlife management and game animal ecology	755628S 5 ECTS
Plant ecology	756644S 5-7 ECTS
Identification of plant species, brief OR	756655S 3 ECTS

Identification of plant species, extensive	756654S 5 ECTS
Field course in ecological botany	756643S 5 ECTS
Soil ecology	756612S 3-5 ECTS
Plant ecophysiology in changing environments	756604S 5-10 ECTS
Optional examinations in environmental protection	750699S 2-6 ECTS
Macro fungi	752616S 3 ECTS
Taxonomy and ecology of plants	752656S 2-4 ECTS
Advanced identification of plant species I	752608S 6 ECTS
Advanced identification of plant species II	752625S 5-8 ECTS
Botanical collection	752662S 2-6 ECTS
Symbiosis	756649S 5 ECTS

Compulsory studies (bioscience 5 ECTS):

Molecular methods I	757611S 5 ECTS
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Optional studies (minimum 35 ECTS)

Information skills for foreign degree students	030008P 1 ECTS
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Optional studies can be biology or other subjects

Specialisation Bioscience, Major Genetics 120 ECTS

Compulsory major studies (75 ECTS):

Master of science seminar	750678S	5 ECTS
Final examination in biology	750658S	10 ECTS
Pro gradu thesis in biology	750658S	40 ECTS
Maturity exam	750632S	0 ECTS
Molecular methods I	757611S	5 ECTS
Basics in population genetics	757613SS	5 ECTS
DNA analysis in population genetics	757618S	10 ECTS

Optional major studies (minimum 5 ECTS):

Special seminar in biology	750653S	2-5 ECTS
Special lecture in biology	750654S	2-5 ECTS
Practical training	750615S	10-15 ECTS
Research training	750613S	2-14 ECTS
Research group seminar	750661S	2-5 ECTS
Thursday seminar in biology	750618S	2 ECTS
Kaamos symposium	750629S	2 ECTS
Examination on optional topics in biology	750649S	2-6 ECTS
Basics of bioinformatics	757614S	5 ECTS
Advanced course in bioinformatics	757619S	5 ECTS
Experimental course in evolutionary genomics	757621S	5 ECTS
Methods in genomics and genomics evolution	757620S	5 ECTS

