

COURSE STRUCTURE DIAGRAM 2012-13

BIOLOGY

MASTER OF SCIENCE DEGREE, 120 ECTS CR

Specialisation Bioscience, Major Plant Physiology

MSc degree (120 ECTS CR) consists of plant physiology major (80 ECTS CR). Degree does not include compulsory minor studies. Instead student can choose optional advanced major courses, optional minors and single courses which are important for the student's personal study plan.

2. Spring	Master's Thesis 40 ECTS CR	Compulsory major studies 2 ECTS CR	Optional Studies 8 ECTS CR	30 ECTS CR	2. year 60 ECTS CR
2. Autumn		Compulsory major studies 10 ECTS CR		30 ECTS CR	
1. Spring		Compulsory major studies 2 ECTS CR	Optional Studies 28 ECTS CR	30 ECTS CR	1. year 60 ECTS CR
1. Autumn		Compulsory major studies 19 ECTS CR	Optional Studies 11 ECTS CR	30 ECTS CR	

Compulsory major studies (68-73 ECTS CR) Year, semester

[750615S](#) Practical training 5-9 ECTS CR 1 summer

[750696S](#) Master of science seminar 4 ECTS CR 1 autumn – 2 spring

[752682S](#) Advanced course in plant biology 9 ECTS CR 1 or 2 spring

[752699S](#) Final examination in botany 10 ECTS CR 2 autumn

[756602S](#) Pro gradu thesis 40 ECTS CR 2 autumn – 2 spring

[750632S](#) Maturity exam 0 ECTS CR 2 spring

Compulsory major studies (if not included in BSc degree)

[752688S](#) Basic of plant tissue culture 5 ECTS CR 1 spring

Optional major studies

[752695S](#) Seminar on special topics in botany 2 ECTS CR 1 autumn – 2 spring

[752652S](#) Examinations on optional topics 2-6 ECTS CR 1 autumn – 2 spring

[750613S](#) Research training 2-14 ECTS CR 1 autumn – 2 spring

[750661S](#) Research group seminar 2-4 ECTS CR 1 autumn – 2 spring

[750618S](#) Thursday seminar in biology 2 ECTS CR 1 autumn – 2 spring

[750629S](#) Kaamos symposium 2 ECTS CR 1 or 2 autumn

[750625S](#) Winter ecology and physiology 6-8 ECTS CR 1 spring

[752691S](#) Special course/Signal transduction in plants 2-4 ECTS CR 1 or 2 spring

[756627S](#) Plant hormones 4 ECTS CR 1 or 2 spring

[756625S](#) Genetic transformation of plants 4 ECTS CR 1 or 2 autumn

[756629S](#) Advanced plant tissue culture 4 ECTS CR 1 or 2 spring

[750619S](#) Course in microscopic techniques 4 ECTS CR 1 or 2 autumn

[756615S](#) Physiology of forest trees 4 ECTS CR 1 or 2 spring

[756618S](#) Secondary metabolism of plants 4 ECTS CR 1 or 2 spring

[756604S](#) Plant ecophysiology in changing environments 5-10 ECTS CR 1 or 2 spring

[756626S](#) Stress physiology of plants 4 ECTS CR 1 or 2 spring

[756638S](#) Plant symbiosis 4 ECTS CR 1 spring

[756633S](#) Soil biology 3 ECTS CR 1 spring

[756621S](#) Plant adaptations to herbivory 2 ECTS CR 1 or 2 spring

[752686S](#) Foreign studies 0 ECTS CR or more 1 autumn – 2 spring

Optional biology minor (minimum 15 ECTS CR)

The optional biology minor for the biology students in M.Sc. degree are as follows:

Zoology course codes 751xxx and 755xxx

Botany course codes 752xxx and 756xxx

Genetics course codes 753xxx and 757xxx

These minors in biology are granted only for the biology students.

Studies of 15 ECTS CR credits or more entitles for the mark and grade of a minor subject. Courses can be basic, intermediate or advanced level studies.

Optional minor (minimum 15 ECTS CR)

Minimum 15 ECTS CR credits are required for minor at the Faculty of Science degree programme subjects (term: STUDIES) or minimum 25 ECTS CR credits (term: MINOR).

Other studies

[300002M](#) Advanced Information Skills 1 ECTS CR 1 or 2 spring

[750033Y](#) Tutorial for new students 2 ECTS CR 1 autumn