

LUOVA Degree Structure

Valid from 1.8.2018

Doctoral programme in wildlife biology

Complete the thesis along with 30 credits of scientific content studies and 10 credits of general competence studies

	Code	Credits	Optional/Compulsory	Information	Who verifies the credits?
Doctoral thesis	LUOVA-999		Compulsory		
Discipline specific studies	LUOVA-998	30 ECTS	Compulsory	Complete 30 credits of scientific content studies	Person in charge of studies (appointed when granted study rights)
General competence studies	LUOVA-997	10 ECTS	Compulsory	Complete 10 credits of general competence studies	Person in charge of studies (appointed when granted study rights)

1. Studies in LUOVA's fields of science	Code	Credits	Optional/Compulsory	Information	Who can award the credits?
1.1. Theoretical studies in the field of the thesis			Compulsory	Complete at least five credits within the first two years	
Literature review	LUOVA-101	5 ECTS	Optional		Supervisor/person in charge of studies
Book examination	LUOVA-102	5 ECTS	Optional		Supervisor/person in charge of studies
Other theoretical studies	LUOVA-103	1-5 ECTS	Optional		Supervisor/person in charge of studies
1.2. Methodological studies in the field of the thesis			Compulsory	Complete at least five credits	
Revise your basics of statistics	LUOVA-301	1 ECTS	Optional	Each autumn	Course teacher
Introduction to linear mixed models and GLMM in R	LUOVA-302	2 ECTS	Optional	Autumn 2017, 2020	Course teacher
Zero inflated models and GLMM in R	LUOVA-303	2 ECTS	Optional	Autumn 2018, 2021	Course teacher
Introduction to GAM and GAMM in R	LUOVA-304	2 ECTS	Optional	Autumn 2019, 2022	Course teacher
Linking data and ecological models	LUOVA-305	4 ECTS	Optional	Spring 2018, 2020	Course teacher
Other methodological studies	LUOVA-306	1-5 ECTS	Optional		Supervisor/person in charge of studies
Other recommended methodological studies					
Data, graphics, and programming in R	YEB-115	2 ECTS	Optional		
Data exploration, regression, GLM & GAM	YEB-116	2 ECTS	Optional		
Mathematical methods in biology, Part 1	EEB-011	5 ECTS	Optional		
Mathematical methods in biology, Part 2	EEB-012	5 ECTS	Optional		
Mathematical methods in biology, Part 3	EEB-013	5 ECTS	Optional		
Mathematical methods in biology, Part 4	EEB-014	5 ECTS	Optional		
Evolutionary ecological genomics	EEB-202	5 ECTS	Optional		
Algorithms for bioinformatics	LSI31001	5 ECTS	Optional		
Modelling and analysis in bioinformatics	LSI31002	5 ECTS	Optional		
Introduction to applied bioinformatics	LSI32001	5 ECTS	Optional		
Modelling ecology and evolution	LSI35001	5 ECTS	Optional		
Bayesian inference in biosciences	LSI35002	5 ECTS	Optional		
Project work in eco-evolutionary informatics	LSI35003	5 ECTS	Optional		
NGG Pre-Symposium Journal Club	ILS-201	2 ECTS	Optional		
NGG symposium	ILS-202	2 ECTS	Optional		
Next generation genomics workshop I	ILS-203	4 ECTS	Optional		
Next generation genomics workshop II	ILS-204	4 ECTS	Optional		

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2. Studies supporting the scientific discipline	Code	Credits	Optional/Compulsory	Information	Who can award the credits?
2.1. Orientation and follow-up			Compulsory	Complete all	
LUOVA orientation	LUOVA-001	1 ECTS	Compulsory	Six times a year. Complete within the first six months	LUOVA Office
Thesis committee meeting 1	LUOVA-201	0 ECTS	Compulsory	Complete within the first six months	LUOVA Office
Thesis committee meeting 2	LUOVA-202	0 ECTS	Compulsory	Annually	LUOVA Office
Thesis committee meeting 3	LUOVA-203	0 ECTS	Compulsory	Annually	LUOVA Office
Thesis committee meeting 4	LUOVA-204	0 ECTS	Compulsory	Annually	LUOVA Office
2.2. Ethics			Compulsory	Complete at least one credit	
Research ethics in Biosciences	YEB-114	1-2 ECTS	Optional		Course teacher
Research ethics in Biosciences (online)	YEB-117	1 ECTS	Optional		Course teacher
Other relevant ethics course	XXX-XXX	1-5 ECTS	Optional		Course teacher
2.3. Teaching			Optional	Maximum six credits	
Teaching	LUOVA-004	1-4 ECTS	Optional		Course teacher
Thesis supervision	LUOVA-005	1-4 ECTS	Optional		Supervisor/person in charge of studies
2.4. Communication skills and career planning			Compulsory	Complete at least five credits	
Talk at the annual LUOVA Spring Symposium 1	LUOVA-401	1 ECTS	Compulsory	Each spring	Spring symposium responsible person
Talk at the annual LUOVA Spring Symposium 2	LUOVA-402	1 ECTS	Optional	Each spring	Spring symposium responsible person
Organising the annual LUOVA Spring Symposium	LUOVA-403	2 ECTS	Optional	Each spring	Spring symposium responsible person
Talk or poster at an international conference 1	LUOVA-404	1 ECTS	Compulsory		Supervisor/person in charge of studies
Talk or poster at an international conference 2	LUOVA-405	1 ECTS	Optional		Supervisor/person in charge of studies
How to publish a paper in a scientific journal	LUOVA-406	2 ECTS	Optional	Spring 2018, 2020	Course teacher
Making science matter - increasing the impact of ecological findings	LUOVA-407	3 ECTS	Optional	Spring 2019, 2021	Course teacher
Organising LUOVA's career seminar	LUOVA-408	2 ECTS	Optional	Annually	Course teacher
Organising LUOVA's field trip to potential employers	LUOVA-409	2 ECTS	Optional	Spring 2017, 2019	Supervisor/person in charge of studies
Other relevant communication skills and career planning studies	LUOVA-410	1-4 ECTS	Optional		Supervisor/person in charge of studies

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General competence studies	LUOVA-997	10 ECTS		Complete 10 credits of general competence studies	
University pedagogy, teaching, supervision			Compulsory	Complete at least 1 credit	
University Pedagogy	XXX-XXX	1-5 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Supervising course	YP3	1-5 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Optional	YEB-XXX	1-5 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Presentation and academic writing			Compulsory	Complete at least 2 credit	
Popularisation of science	YEB-101	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Conference presentation	YEB-103	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Scientific writing	YEB-104	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Grant writing	YEB-105	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Academic pitching	YEB-106	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Principles of peer review	YEB-107	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Learning to visualise data	YEB-108	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Science communication	YEB-111	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Optional	YEB-XXX	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Management			Compulsory	Complete at least 2 credit	
Research funding	YEB-100	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Board membership	YEB-102	1-2 ECTS	Optional		LUOVA Office
Principles of business for bioscientists	YEB-109	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Career planning	YEB-110	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Project management	YEB-112	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Leadership	YEB-113	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB
Optional	XXX-XXX	1-2 ECTS	Optional		Course teacher/supervisor/person in charge of studies/YEB