



**University of
Zurich** ^{UZH}

**Department of Evolutionary
Biology and Environmental
Studies**

University of Zurich
Winterthurerstr. 190
CH-8057 Zurich
www.ieu.uzh.ch



**Specialised Master's Program in
Quantitative Environmental Sciences**

Coordinator:
Claudia Hegglin, office Y13-G-40
Email: claudia.hegglin@ieu.uzh.ch
Phone: ++41(0)44 635 47 41

Infos:
www.ieu.uzh.ch

PROGRAM OVERVIEW 2022-2023

Compulsory Modules (90 ECTS CREDITS)

Modules	ECTS
UWW 200 Master thesis	60
UWW 210 Field course	2
UWW 210 Field course in biodiversity assessment and monitoring (2 ECTS)	
UWW 220 Concepts on biodiversity	3
UWW 220 Species interactions and biodiversity (3 ECTS)	
UWW 230 Resource management and conservation	2
UWW 230 Analysis and management of biological populations (2 ECTS)	
UWW 250 Spatial ecology and remote sensing	2
UWW 250 Spatial ecology and remote sensing (2 ECTS)	
UWW 260 Research methods	2
UWW 260 Presentation and discussion of master projects (2 ECTS)	
UWW 270 Quantitative analysis	9
UWW 271 Contemporary analysis for ecology (4 ECTS)	
BIO 377 Introduction to R (2 ECTS)	
UWW 273 Introduction to theoretical ecology (3 ECTS)	
UWW 280 Special topics	6
UWW 290 Research seminar	4
UWW 291 Ecology and evolution at the heart of the wicked problems (3 ECTS)	
UWW 292 Research seminar: BEES, SEBES (1 ECTS)	

Schedule (September 19th until December 20th 2022)

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-8:45		UWW 291	Block course	Block course	Block course
9:00-9:45		UWW 291	Block course	Block course	Block course
10:15-11:00	UWW 220	UWW 273	Block course	Block course	Block course
11:15-12:00	UWW 220	UWW 273	Block course	Block course	Block course
12:15-13:00	Lunch	UWW 292	Lunch	Lunch	Lunch
13:00-13:45	UWW 271	UWW 271	Block course	Block course	Block course
14:00-14.45	UWW 271	UWW 271	Block course	Block course	Block course
15:00-15:45		Block course	Block course	Block course	Block course
16:15-17:00		Block course	Block course	UWW 292	Block course
17:15-18:00		Block course			
18:15-19:00					

Block Courses

Week	Date	Block Course
2022	Aug 14-19	UWW210 Field course in Elm, Canton Glarus
1	Sept 21-23	BIO 377 (Wed, Thur, Frid)
2	Sept 28 & 30	BIO 377 (Wed, Frid)
3	Okt 5-6	Research groups presentations
4		
5		
6	Oct 26-28	UWW 230 (Wed, Thur, Frid)
7	Nov 2 & 4	UWW 230 (Wed, Frid)
8	Nov 8-11	UWW 250 (Tue afternoon, Wed, Thur, Frid)
9	Nov 15-18	UWW 250 (Tue afternoon, Wed, Thur, Frid)
10		
11		
12		
13	Dec 15-16	Master thesis presentations of master students from previous year. Thur & Frid afternoon
14	Dec 19-20	Exams (UWW221, UWW271, UWW291, UWW273)
2023	Jan 9-13	UWW 260, proposal presentations on 13 Jan 2023

Online course catalogue:

[https://studentservices.uzh.ch/uzh/anonym/vvz/index.html#/details/2021/003/CGStudyProgramDetail/51031913/50000008/Mathematisch-naturwissenschaftliche%20Fakult%20C3%20A4t/51030723/Master%20of%20Science%20Mathematisch-naturwissenschaftliche%20Fakult%20C3%20A4t%20\(90\)%20\(2021\)/true/50939768/Pflichtmodule%20Quantitative%20Environmental%20Sciences/2021/003](https://studentservices.uzh.ch/uzh/anonym/vvz/index.html#/details/2021/003/CGStudyProgramDetail/51031913/50000008/Mathematisch-naturwissenschaftliche%20Fakult%20C3%20A4t/51030723/Master%20of%20Science%20Mathematisch-naturwissenschaftliche%20Fakult%20C3%20A4t%20(90)%20(2021)/true/50939768/Pflichtmodule%20Quantitative%20Environmental%20Sciences/2021/003)

Category	Variable
Note	Students choose additional courses, conferences, seminars, internships, etc. to supplement our mandatory masters courses
Coordinator	Claudia Hegglin, Department of Evolutionary Biology and Environmental Studies, University of Zurich, Winterthurerstrasse 190, CH-8057 Zurich, 044 635 47 41, claudia.hegglin@ieu.uzh.ch
Optional topics	<p>Courses from UZH course catalogue or other Universities. Courses can be freely selected from the online course catalogue: http://www.vorlesungen.uzh.ch/ http://www.vvz.ethz.ch/Vorlesungsverzeichnis</p> <p>The courses can be credited if they are a valuable addition to the courses from the UWW master's program.</p> <p>Internship, four weeks (4 ECTS) Students have the possibility to do an internship. As an interface between university life and practice, the placement offers an insight into the professional world. Trainee positions are found by the students and must be approved by the program coordination office.</p> <p>Language Center of the University of Zurich and ETH Zurich (not more than 2 ECTS) The Language Center offers courses in different languages: http://www.sprachenzentrum.uzh.ch/index_en.php</p>
Assessment	Various
ECTS Credits	At least 6 ECTS Credits

Category	Department Seminars
Date	BEEES (Behaviour, Ecology, Environment and Evolution Seminar): Every week on Tuesday in spring and autumn semester, 12:15-13:00 SEBES (Seminar for Evolutionary Biology and Environmental Studies): Every week on Thursday in autumn semester, 16:15-17:00
Program	E3B (the ecology, evolution, environment & behaviour) UZH/ETH joint seminar series: Every week on Thursday in spring semester, 15:00-16:00 http://www.ieu.uzh.ch/seminars.html
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Content	In the scientific research seminar, national and international researchers present their newest results. There are discussions on the presented topics afterwards.
Requirements to obtain the credit point	Attending the seminars regularly during the three terms. One seminar summarized on one side of A4. The summary should include brief descriptions of: <ul style="list-style-type: none"> - The background of the presenter's research and its relevance to your thesis or master's coursework - The aims of the research - The methods used - The key results - A discussion of most important conclusions and implications (especially in reference to your own thesis or master's coursework) - A few key supporting references for published aspects of the work and/or references in the Teaching material made by the speaker.
Assessment	Passed / not passed
ECTS Credits	1 ECTS Credit