Course name	Code	Cr.	Guarantor	Semester	Year	Block	Type
Master Thesis, Practical Part (2nd, 3rd and 4th semester)	**XXX/881 ***	**13**	**supervisor**	**Both**	**Each**		**A**
Ecology Colloquia (once a year, usually 2nd and 4th semester)	**KBO/335E**	**2**	**Jan Hrček**	**Both**	**Each**		**A**
Training in Occupational Safety and Health, Fire Safety and Cybersecurity (1st semester)	**FPR/913E**	**0**	**Tomáš Hauer**	**Both**	**Each**	**On-line**	**A**
Courses Evaluation (all semesters)	**FPR/914**	**0**	**Tomáš Hauer**	**Both**	**Each**	**On-line**	**A**
Master Thesis, Practical Part (1st semester)	**XXX/881 ***	**13**	**supervisor**	**Both**	**Each**		**B**
Functional Traits in Ecology	KBO/297	5	L. Götzenberger, F. de Bello	Winter	Each	Block	B
Molecular Ecology	KZO/412I	6	Václav Hypša	Winter	Each		B
Molecular Phylogenetics	KPA/604	6	Václav Hypša	Winter	Each		B
Field Ecology	KBO/192E	3	Jan Lepš, Petr Blažek	Winter	Each	Block	B
Design and Analysis of Ecological Experiments	KBO/332E	6	Jan Lepš, Petr Šmilauer	Winter	Each		B
Modern Regression Methods	KBE/785E	6	Petr Šmilauer	Winter	Each		B
Science Communication	KZO/100E	4	Kateřina Sam	Winter	Each		B
Community Ecology	KBO/426	6	Jan Lepš	Winter	Odd		B
Ecology of Biological Invasions	KBO/331	4	Karel Prach	Winter	Odd		B
Tropical Ecology	KBE/351	5	Vojtěch Novotný	Winter	Odd		B
Evolutionary Ecology	KBE/023	6	David Boukal	Winter	Odd		B
Creative Publishing in Community Ecology	KBO/184	4	Jan Lepš	Winter	Odd		B
Tutorials in Ecology	**KZO/101E**	**4**	**Jan Hrček**	**Summer**	**Each**		**B**
Microbial Ecology and Genomics	**KPA/172**	**3**	**Eva Nováková**	**Summer**	**Each**	**Block**	**B**
Biogeochemistry	**KBE/117**	**2**	**Petr Čapek, Trevis Meador**	**Summer**	**Each**		**B**
Plant-Animal Interactions	**KBE/049**	**6**	**Jana Jersáková**	**Summer**	**Odd**		**B**
Conservation Biology (Introduction)	**KBE/542E**	**6**	**Jana Jersáková**	**Summer**	**Odd**		**B**
Vegetation Dynamics	**KBO/336E**	**3**	**Karel Prach**	**Summer**	**Odd**		**B**
Evolutionary Biology	KZO/102E	4	Pavel Duda	Summer	Even		B
Population Ecology	KBO/334E	5	Jan Lepš, Petr Blažek	Summer	Even		B
Critical Reading in Ecology	**KZO/109**	**2**	**Martin Volf**	**Both**	**Each**		**C**
Molecular Methods in Plant Science	KBO/309	5	Petr Koutecký	Winter	Each	Block	C
Advances in Behavioural Ecology Research	KZO/105	3	Petr Veselý	Winter	Each		C
Behavioural Ecology	KZO/106	3	Petr Veselý	Winter	Each		C
Bioacoustics Practicals	KZO/144	5	Pavel Linhart	Winter	Each		C
Bioacoustics Journal Club	KZO/162	3	Pavel Linhart	Winter	Each		C
Biology of Animals	KZO/768	3	Oldřich Nedvěd	Winter	Each		C
Biology of Social Insects	KZO/398	3	Petr Klimeš	Winter	Odd		C
Tropical Ecology Field Excursion**	KBE/355	5	Vojtěch Novotný	Winter	Odd	Block	C
Restoration Ecology	KBO/420	6	Karel Prach	Winter	Even	Block	C
Forest Ecology	KBO/425	3	Jiří Doležal	Winter	Even	Block	C
Ecology of Alpine Ecosystems	KBO/307	6	Jiří Doležal	Winter	Even	Block	C
Field Mycology	KBO/203	3	Martina Vašutová	Winter	Even	Block	C
Advanced Regression Methods	KBE/051E	5	Petr Šmilauer	Winter	Even		C
Open Source GIS	KBE/143E	5	Stanislav Grill	Winter	Even		C
Biostatistics	**KBO/759**	**5**	**Petr Blažek**	**Summer**	**Each**		**C**
Vegetation Ecology Excursion	**KBO/126E**	**2**	**Karel Prach**	**Summer**	**Each**	**Block**	**C**
Field Work IV - Zoology	**KZO/194**	**3**	**Bezděk, Nedvěd, Veselý**	**Summer**	**Each**	**Block**	**C**
Entomological excursion	**KZO/409**	**5**	**Lukáš Čížek**	**Summer**	**Each**	**Block**	**C**
Field Course in Ornithology	KZO/373	3	Jan Riegert	Summer	Each	?	C
Plant Physiology	**KEBR/563**	**3**	**Michael Wrzaczek**	**Summer**	**Each**		**C**
Interdisciplinary Excursion Ecology of Biomes	**KBO/191**	**3**	**Milan Štech, M. Syrová**	**Summer**	**Each**	**Block**	**C**
Evolutionary Ecology of Birds	**KZO/063**	**2**	**Vojtěch Kubelka**	**Summer**	**Each**	**Block**	**C**
Plant Diversity and Ecology	**KBO/767**	**3**	**Jan Kučera**	**Summer**	**Each**		**C**
Polar Ecology **	**KBE/263+265**	**5**	**Jiří Bárta**	**Summer**	**Odd**	**Block**	**C**
Fungal Ecology	**KBO/199**	**3**	**Martina Vašutová**	**Summer**	**Odd**		**C**
Practicals of Multivariate Analysis of Ecol. Data	**KBO/130**	**6**	**Jan Lepš, Petr Šmilauer**	**Summer**	**Odd**		**C**
Modelling for Ecologists in R	**KBE/013**	**6**	**David Boukal**	**Summer**	**Odd**		**C**
Field Ornithological Methods	**KZO/359**	**3**	**Kateřina Sam**	**Summer**	**Odd**		**C**
Advanced Ordination Methods	KBE/052E	3	Petr Šmilauer, Jan Lepš	Summer	Even		C
Studying Plants and Fungi Belowground	KBO/432E	5	Marie Šmilauerová	Summer	Even		C
Course of Alpine Botany and Ecology	KBO/136	2	Jan Kučera	Summer	Even	Block	C
Various soil/water/microbial/biochemical/energy-flow/ecosystem courses: KBE/…							
Interaction Water-Soil	KBE/021 *	3	Zuzana Urbanová	Winter	Each	Block	C
Aquatic Microbial Ecology	KBE/459	3	Karel Šimek	Winter	Each	Block	C
Ecosystem Management Course	KBE/546	3	Keith Edwards	Winter	Each		C
The Ecology of Plant-Microbe Interactions	KBE/048	6	Dagmara Sirová	Winter	Even		C
Introduction to Functional Ecology	**KBE/128**	**6**	**Keith Edwards**	**Summer**	**Odd**		**C**

Various language courses: OJZ/…			www.prf.jcu.cz/en/faculty/departments/language-department/for-students/course-descriptions			
Presentation Skills in English	**OJZ/410**	**2**		**Both**	**Each**	**C**
Czech for Foreigners Beginners	**OJZ/550**	**2**		**Both**	**Each**	**C**
English for Intercultural Communication	**OJZ/555**	**2**		**Both**	**Each**	**C**
Scientific Writing	OJZ/450	2		Winter	Each	C

Year   – Odd – academic year starting with odd number (e.g. 2025/2026)
           – Even – academic year starting with even number (e.g. 2026/2027)

Block   – a block course, not scheduled regularly during semester (excursions, workshops etc.)

Type   – A – obligatory course
           – B – obligation to enrol any of these courses for min. 53 credits during whole study
           – C – optional, recommended for Master's in Ecology (see complete list of courses in STAG)

* The department code of „Master Thesis, Practical Part" should match the department where your supervisor is based (e.g. KBO/881, KZO/881, KBE/881, KPA/881, UCH/881…). You can get the 13 credits three or four times during your study (depending on if you have got it in the first semester or not), and you register XXX/880 for 0 credits as a placeholder if you study longer (usually from the 5th semester).

** Polar and Tropical Ecology require special applications; only a selection of 10 best candidates can take part. Follow the advertisements of the courses. The last application deadlines were: polar 15 Jan. 2024, tropical 20 Dec. 2024.

If you have not taken any statistical course before, Biostatistics is recommended before taking the advanced statistical courses.

The list of C courses is a selection of the most relevant additional courses for this master programme, see wstag.jcu.cz for all courses.

Example screenshot of how to search for description of courses in STAG: