| 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 | 3 | H. Šantrůčková (P. Čapek) | 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: