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| SCHEDULE FOR THE PhD PROGRAM IN BIOLOGY |
| **COURSE TITLE** | **EXAMINATION** | **PRK\*** | **SEMESTER** | **ECTS** | **NUMBER OF HOURS** |
| **OBLIGATORY COURSES - within SDNŚiP min 6 ECTS** |
| Seminar of Doctoral School of - in English | **Credit** | P8S\_WG P8S\_UWP8S\_UK | V-VIII | 2 (1+1) | MIN. 6 seminars/year |
| Philosophy of science with elements of logic | **Credit with grade** | P8S\_WK | V-VI | 4  | 30h lectures 15 or 30h - seminar |
| **FACULTATIVE COURSES - within SDNŚiP min 4 ECTS** |
| English for Environmental Sciences | **Credit with grade** | P8S\_UK | I-II | 4 | 60h |
| Polish for foreigners | **Exam.** |  P8S\_UU | I-IV | 4 | 60h  |
| A modern foreign language course (taken in a second foreign language) | **Exam.** | P8S\_UU | I-IV | 4 | 60h  |
| Classes on developing professional competence and soft skills (career planning, managerial competencies, business communication, e.g. Document and Literature Management – tools for writing a doctoral thesis, Principles of Rhetoric and Communication conducted in English by Jagiellońskie Centrum Rozwoju Kompetencji. | **Credit** | P8S\_WKP8S**\_**UUP8S\_KRP8S\_KO |  I-VII |   |   |
| **FACULTATIVE COURSES DEVELOPING PROFESSIONAL SKILLS – min. 24 ECTS** |
| Evaluation of progress in PhD thesis | **Credit** | P8S\_UW P8S\_UO | I-VIII | 12 (4 x 3) | 4 x 75h |
| Seminar | **Credit** | P8S\_UK | I-IV | 4 (2 x 2)  | 2 x 30h |
| Courses offered every 2 years - za min 8 ECTS |
| Biomedical research methods: from antigen to antibody and beyond | **Credit with grade** | P8S\_WG P8S\_UW P8S\_KK | I-VI  |  4  | 15h - Lecture 25h – Seminar |
| Methods in environmental sciences and nature conservation | **Credit with grade** |  4  | 50h - Field and lab practicum |
| Molecular Ecology for PhD Students |  **Exam** |  4  | 15h - Lecture 15h - Class 15h - Seminar |
| Methodological Workshop in Evolutionary Biology– grant writing partMethodological Workshop in Evolutionary Biology – practical part | **Credit with grade** | 2 x 2 = 4 | 30h+30h - Practicum  |
| Possibility of taking courses within an individual research program (summer schools, courses run by other universities, including universities abroad). | **included in the course syllabus** | I-VI  |   |   |
| Other facultative courses  |
| Statistics for research sciences | **Exam** | P8S\_UW | III-V | 4 | 30h - seminar 15h - exercises |
| Advanced Research Communication | **Credit with grade** | P8S\_WG P8S\_KK | II | 3 | 20h exercises 10h - lecture  |
| **FACULTATIVE COURSES DEVELOPING DIDACTIC SKILLS min. 6 ECTS** |
| Efficient Teaching | **Credit with grade** | P8S\_UU | I-II | 3 | 3 h - workshops |
| Didactic training - As part of apprenticeship | PhD student’s report from the observed classes / PhD student’s teaching practice record  | P8S\_UU | According to the guidelines adopted at the Faculty | Independently teach classes10 h-1 ECTS) ( max. 6 ECTS-during the whole education cycle) ) | min 10 hours /year |
| **Additional training:**1. Doctoral students entering the first year of studies at the JU are required to undertake occupational health and safety training unless they have taken such training at earlier stages of their JU education.2. First aid course.3. PhD students planning a study involving vertebrates are required to complete the training and get the appropriate licenses. |