

| TITLE  | Course type/exam type | Suggested semester (hour/week, hour/semester) |      |      |   |   |   | ECTS | Prerequisite  | Instructor-in-charge     |
|--|-----------------------|---|------|------|---|---|---|------|---|--------------------------|
|  |                       | 1   | 2    | 3    | 4 | 5 | 6 |      |   |                          |
| Obligatory courses                                   |                       |   |      |      |   |   |   |      |   |                          |
| Mathematics lect.                                    | lect/oral             | 2/28  |      |      |   |   |   | 2    |   | dr. Rajkó Róbert         |
| Mathematics pract.                                   | pract/mark            | 2/28  |      |      |   |   |   | 3    |   | dr. Rajkó Róbert         |
| Fundamental Physics lect.                            | lect/oral             | 2/28  |      |      |   |   |   | 2    |   | dr. Erostyák János       |
| Fundamental Chemistry I. lect.                       | lect/oral             | 2/28  |      |      |   |   |   | 2    |   | dr. Horváth Attila       |
| Biological Laboratory Fundamentals                   | pract/mark            | 2/28  |      |      |   |   |   | 3    |   | dr. Kerepesi Ildikó      |
| Comparative Anatomy I. lect.                         | lect/oral             | 2/28  |      |      |   |   |   | 2    |   | dr. Molnár László        |
| Comparative Anatomy I. laboratory                    | pract/mark            | 3/42  |      |      |   |   |   | 4    |   | dr. Pollák Edit          |
| Plant Anatomy and Morphology lect.                   | lect/oral             | 3/42  |      |      |   |   |   | 3    |   | dr. Stranczinger Szilvia |
| Plant Anatomy and Morphology lab.                    | pract/mark            | 3/42  |      |      |   |   |   | 4    |   | dr. Stranczinger Szilvia |
| Cell biology lect.                                   | lect/oral             | 2/28  |      |      |   |   |   | 2    |   | dr. Molnár László        |
| Cell biology lab.                                    | pract/mark            | 2/28  |      |      |   |   |   | 3    |   | dr. Molnár László        |
| Fundamental Chemistry I. lab.                        | pract/mark            |   | 3/42 |      |   |   |   | 4    | Fundamental Chemistry I. lect.                                      | dr. Horváth Attila       |
| Fundamental Chemistry II. lect.                      | lect/oral             |   | 2/28 |      |   |   |   | 2    | Fundamental Chemistry I. lect.                                      | dr. Horváth Attila       |
| Organic Chemistry lect.                              | lect/oral             |   | 2/28 |      |   |   |   | 2    |   | dr. Deli József          |
| Biochemistry lect.                                   | lect/oral             |   | 3/42 |      |   |   |   | 3    | Fundamental Chemistry I. lect.                                      | dr. Kuczmog Anett        |
| Comparative Anatomy II. lect.                        | lect/oral             |   | 2/28 |      |   |   |   | 2    | Comparative Anatomy I. lect.  | dr. Molnár László        |
| Comparative Anatomy II. laboratory                   | pract/mark            |   | 3/42 |      |   |   |   | 4    | Comparative Anatomy I. lect.  | dr. Pollák Edit          |
| Zootaxonomy and systematics lec.                     | lect/oral             |   | 3/42 |      |   |   |   | 3    |   | dr. Horváth Győző        |
| Zoo taxonomy and systematics pract.                  | pract/mark            |   | 3/42 |      |   |   |   | 4    |   | dr. Horváth Győző        |
| Introduction into the Scientific Bibliography semin. | sem/mark              |   | 1/14 |      |   |   |   | 1    |   | dr. Stranczinger Szilvia |
| Working with biological data                         | sem/mark              |   | 2/28 |      |   |   |   | 2    |   | dr. Csepregi Kristóf     |
| Plant Taxonomy and Systematics lect.                 | lect/oral             |   |      | 3/42 |   |   |   | 3    | Plant Anatomy and Morphology lect.                                  | Salamonné dr. Albert Éva |
| Plant Taxonomy and Systematics lab.                  | pract/mark            |   |      | 3/42 |   |   |   | 4    | Plant Anatomy and Morphology lect.                                  | Salamonné dr. Albert Éva |
| Fundamental Chemistry II. lab.                       | pract/mark            |   |      | 3/42 |   |   |   | 4    | Fundamental Chemistry I. lab AND<br>Fundamental Chemistry II. lect. | dr. Horváth Attila       |
| Biochemistry laboratory                              | pract/mark            |   |      | 3/42 |   |   |   | 4    | Biochemistry lect.  | dr. Kuczmog Anett        |
| Statistics pract.                                    | pract/mark            |   |      | 3/54 |   |   |   | 3    | Mathematics lect. AND peact. AND<br>Working with biological data    | dr. Hideg Éva            |
| Basic developmental biology                          | lect/oral             |   |      | 2/28 |   |   |   | 2    | Comparative Anatomy I. lect.  | dr. Molnár László        |
| General Ecology lect.                                | lect/oral             |   |      | 2/28 |   |   |   | 2    |   | dr. Csabai Zoltán        |
| Instrumental Analysis lect.                          | lect/oral             |   |      | 2/28 |   |   |   | 2    | Fundamental Chemistry II. lect.                                     | dr. Felinger Attila      |

|  |            |  |  |      |      |      |      |           |   |                          |
|--|------------|--|--|------|------|------|------|-----------|---|--------------------------|
| Instrumental Analysis lab.                           | pract/mark |  |  | 3/42 |      |      |      | 4         | Fundamental Chemistry I. lab.                                 | dr. Kiss Ibolya          |
| Comparative Physiology I. lect.                      | lect/oral  |  |  | 2/28 |      |      |      | 2         | Comparative Anatomy I. lect.                                  | dr. Dénes Viktória       |
| Comparative Physiology II. lect.                     | lect/oral  |  |  |      | 2/28 |      |      | 2         | Comparative Physiology I. lect.                               | dr. Dénes Viktória       |
| Comparative Physiology lab.                          | pract/mark |  |  |      | 4/56 |      |      | 5         | Comparative Physiology I. lect.                               | dr. Dénes Viktória       |
| Ecology lab.   | pract/mark |  |  |      | 2/28 |      |      | 3         | General Ecology lect.   | dr. Csabai Zoltán        |
| Plant Physiology lect.                               | lect/oral  |  |  |      | 3/42 |      |      | 3         | Biochemistry lect.  | dr. Hideg Éva            |
| Botanical and zoological field training              | pract/mark |  |  |      | 3/42 |      |      | 4         |   | Salamonné dr. Albert Éva |
| Microbiology lect.                                   | lect/oral  |  |  |      | 2/28 |      |      | 2         |   | dr. Fekete Csaba         |
| Microbiology lab.                                    | pract/mark |  |  |      | 3/42 |      |      | 4         | Biological Laboratory Fundamentals                            | dr. Papp Gábor           |
| Introduction to geology                              | lect/oral  |  |  |      |      | 2/28 |      | 3         |   | dr. Kovács János         |
| Basic Genetics lect.                                 | lect/oral  |  |  |      |      | 3/42 |      | 3         |   | dr. Hoffmann Gyula       |
| Human Biology lect.                                  | lect/oral  |  |  |      |      | 2/28 |      | 2         |   | dr. Wilhelm Márta        |
| Plant Physiology lab.                                | pract/mark |  |  |      |      | 3/42 |      | 4         | Biological Laboratory Fundamentals AND Plant Physiology lect. | dr. Kocsis Marianna      |
| Biogeography   | lect/oral  |  |  |      |      | 2/28 |      | 2         |   | dr. Purger Jenő          |
| Molecular biology lect.                              | lect/oral  |  |  |      |      | 3/42 |      | 3         | Biochemistry lect.  | dr. Putnoky Péter        |
| Molecular biology lab.                               | pract/mark |  |  |      |      | 3/42 |      | 4         | Biological Laboratory Fundamentals                            | dr. Putnoky Péter        |
| Degree Work I.                                       | pract/mark |  |  |      |      | 2/28 |      | 4         |   |                          |
| Nature conservation and environmental protection     | lect/oral  |  |  |      |      |      | 2/28 | 2         |   | dr. Csiky János          |
| Genetics lab.  | pract/mark |  |  |      |      |      | 2/28 | 3         |   | dr. Hoffmann Gyula       |
| Evolution lect.                                      | sem/mark   |  |  |      |      |      | 2/28 | 2         |   | dr. Hoffmann Gyula       |
| Bioinformatics lect.                                 | lect/oral  |  |  |      |      |      | 2/28 | 2         | Biochemistry lect.  | dr. Putnoky Péter        |
| Ethology   | sem/mark   |  |  |      |      |      | 2/28 | 3         |   | dr. Purger Jenő          |
| Degree Work II.                                      | pract/mark |  |  |      |      |      | 3/42 | 6         |   |                          |
| <b>Elective courses (completing min. 18 credits)</b> |            |  |  |      |      |      |      | <b>18</b> |   |                          |
| Physical Methods in Biology                          | lect/oral  |  |  | 2/28 |      |      |      | 3         | Fundamental Physics lect.                                     | dr. Buzády Andrea        |
| Physical Methods in Biology pract.                   | pract/mark |  |  |      | 2/28 |      |      | 3         | Biological Laboratory Fundamentals                            | dr. Buzády Andrea        |
| Applied biotechnology                                | sem/mark   |  |  |      |      | 3/42 |      | 4         |   | dr. Papp Gábor           |
| Bioinformatics pract.                                | pract/mark |  |  |      |      |      | 2/28 | 3         |   | dr. Putnoky Péter        |
| Microtechniques                                      | sem/mark   |  |  | 2/28 |      |      |      | 3         |   | dr. Pollák Edit          |
| Microtechniques lab.                                 | sem/mark   |  |  | 3/42 |      |      |      | 4         |   | dr. Pollák Edit          |
| General toxicology                                   | sem/mark   |  |  | 3/42 |      |      |      | 4         |   | dr. Papp Gábor           |
| Models in Neurobiology                               | sem/mark   |  |  |      |      |      | 3/42 | 4         |   | dr. Völgyi Béla          |
| Functional histology                                 | sem/mark   |  |  | 3/42 |      |      |      | 4         |   | dr. Molnár László        |
| Ecology seminar                                      | sem/mark   |  |  | 2/28 |      |      |      | 3         | General Ecology lect.   | dr. Csabai Zoltán        |
| Fundamentals in limnology seminar                    | sem/mark   |  |  | 2/28 |      |      |      | 3         |   | dr. Móra Arnold          |

