

Study Programme: **N0511A030051 - Plant Biology**

Academic Year: **2025/2026**

Credit limit: **120**

Specialization: **Plant Biology**

Version: **2021**

Studies: **Full-time**

Credit limit: **120**

Study plan title: **PBIOL IA18**

### Obligatory Subjects (A)

Number of courses: **19** credits: **87**

| Abbreviation | Course name                              | Number of credits | Course extent L+T+Sem | Finalization | Recomm. Year Sem. |
|--------------|------------------------------------------|-------------------|-----------------------|--------------|-------------------|
| BOT/GME      | General Mycology                         | 3                 | 2+0+0                 | Zk           | 1 ZS              |
| BOT/ZFPE     | Phytopathology                           | 3                 | 2+0+0                 | Zk           | 1 ZS              |
| EKO/MVPOE    | Methods of Scientific Research           | 3                 | 0+0+2                 | Ko           | 1 ZS              |
| EKO/PEEPE    | Soil Science and Soil Ecology            | 4                 | 2+1+0                 | Zk           | 1 ZS              |
| KBB/CONGE    | Conservation Genetics                    | 3*                | 2+0+0                 | Zk           | 1 ZS              |
| LRR/SFRZE    | Plant Physiology                         | 3                 | 2+0+0                 | Zk           | 1 ZS              |
| BOT/BIKRE    | Principles of Classification of Plants   | 5                 | 2+2+0                 | Zk           | 1 LS              |
| BOT/BRGME    | Biotechnology of Plants                  | 5                 | 2+2+0                 | Zk           | 1 LS              |
| BOT/DPBE1    | Master's Diploma Thesis 1                | 7                 | 0+5+0                 | Zp           | 1 LS              |
| BOT/EKRE     | Plant Ecology                            | 3                 | 2+0+0                 | Zk           | 1 LS              |
| BOT/LPXE1    | Laboratory Practice 1                    | 6                 | 0+1TS+0               | Zp           | 1 LS              |
| BOT/MMSRE    | Practicals Training in Molecular Markers | 3                 | 1+1+0                 | Zk           | 1 LS              |
| BOT/BSTSE    | Biostatistics                            | 5                 | 2+2+0                 | Zk           | 2 ZS              |
| BOT/DPBE2    | Master's Diploma Thesis 2                | 10                | 0+7+0                 | Zp           | 2 ZS              |
| BOT/FTGSE    | Plant Geography                          | 3                 | 2+0+0                 | Zk           | 2 ZS              |
| BOT/LPXE2    | Laboratory Practice 2                    | 6                 | 0+1TS+0               | Zp           | 2 ZS              |
| BOT/SROE     | Plant Breeding - General Part            | 4                 | 2+1+0                 | Zk           | 2 ZS              |
| BOT/DPBE3    | Master's Diploma Thesis 3                | 7                 | 0+5+0                 | Zp           | 2 LS              |
| BOT/SRSE     | Plant Breeding - Special Part            | 4*                | 2+1+0                 | Zk           | 2 LS              |

### State Final Examination (A)

Number of courses: **5** credits: **0**

| Abbreviation | Course name                        | Number of credits | Course extent L+T+Sem | Finalization | Recomm. Year Sem. |
|--------------|------------------------------------|-------------------|-----------------------|--------------|-------------------|
| BOT/SZZTE    | Plant Taxonomy and Geography       | 0                 | 0+0+0                 | Szv          | 2 LS              |
| BOT/SZZEE    | Ecology and Agroecology            | 0                 | 0+0+0                 | Szv          | 2 LS              |
| BOT/SZZPE    | Biotechnology and Plant Physiology | 0                 | 0+0+0                 | Szv          | 2 LS              |
| BOT/SZZBE    | Plant Breeding and Phytopathology  | 0                 | 0+0+0                 | Szv          | 2 LS              |
| BOT/OBHDP    | MA Thesis                          | 0                 | 0+0+0                 | Odp          | 2 LS              |

### Elective Courses 1 (B)

Selection min.: **7 cr.**

| Abbreviation | Course name                             | Number of credits | Course extent L+T+Sem | Finalization | Recomm. Year Sem. |
|--------------|-----------------------------------------|-------------------|-----------------------|--------------|-------------------|
| EKO/AZHOE    | Agroecology and Basics of Agric. Man.   | 3                 | 2+0+0                 | Zk           | 1 ZS              |
| ZOO/ADE      | Data Analysis                           | 3                 | 1+1+0                 | Zk           | 1 ZS              |
| KCB/MVE      | Plant Mineral Nutrition                 | 2                 | 1+0+0                 | Zk           | 1 LS              |
| BOT/RBPEN    | Lessons from Plant Reproduction Biology | 3                 | 2+0+0                 | Zk           | 2 ZS              |

### Elective Courses 2 (B)

Selection min.: **13 cr.**

| Abbreviation | Course name                            | Number of credits | Course extent L+T+Sem | Finalization | Recomm. Year Sem. |
|--------------|----------------------------------------|-------------------|-----------------------|--------------|-------------------|
| BOT/DENE     | Dendrology                             | 4                 | 1+2+0                 | Zk           | 1 ZS              |
| EKO/ZZEE     | Basic Ecology                          | 3*                | 2+0+0                 | Zk           | 1 ZS              |
| BOT/FPRX1    | Field Practice 1                       | 6                 | 0+1TS+0               | Zp           | 1 LS              |
| BOT/KVAPE    | Syst. Anatomy & Morph. of Vasc. Plants | 3                 | 1+1+0                 | Ko           | 1 LS              |
| BOT/FPRX2    | Field Practice 2                       | 6                 | 0+1TS+0               | Zp           | 2 ZS              |
| BOT/RBROE    | Radiobiology                           | 3                 | 2+0+0                 | Zk           | 2 ZS              |

**Elective Courses 3 (B)****Selection min.: 11 cr.**

| Abbreviation | Course name                              | Number of credits | Course extent L+T+Sem | Finalization | Recomm. Year Sem. |
|--------------|------------------------------------------|-------------------|-----------------------|--------------|-------------------|
| BOT/VPBSB    | Flying Seminars in Botany 2              | 1                 | 1+0+0                 | Zp           | 1 ZS              |
| BOT/VPAU     | Flying Seminars in Botany 1              | 1                 | 1+0+0                 | Ko           | 1 LS              |
| VCJ/ATB1     | English Terminology for Biology 1        | 3*                | 0+2+0                 | Zp,Zk        |                   |
| BOT/DENEX    | Dendrological Excursion                  | 3                 | 0+3DS+0               | Ko           | LS                |
| BOT/FYTEX    | Phytopathological Excursion              | 4                 | 0+3DS+0               | Zp           | LS                |
| BOT/MOBEX    | Biodiversity Hotspots of Central Moravia | 2                 | 0+5DS+0               | Zp           | LS                |