University of Primorska, Faculty of Mathematics, Natural Sciences and Information Technologies

BIODIVERSITY – undergraduate study programme, 1st Bologna cycle

General and Subject-specific competencies for students enrolled in the academic year 2008/2009 until the academic year 2017/18

General competencies

- The ability to prepare strategies and creative solutions to problems occurring in nature.
- Development of a critical attitude towards human intervention in nature, enabling graduates to act as decision makers and to tackle environmental problems with a sense of responsibility towards interventions into natural environment.
- Familiarity with the technical terminology of the field.
- Proficient use of ICT.
- The ability of constructive cooperation with experts from other professions (teamwork skills).
- The ability to use a foreign language for specific purposes.

Subject-specific competencies

- The ability to solve scientific problems in the field of biodiversity and conservation biology.
- The ability to identify the quality or "vitality" of various natural systems and their flexibility.
- The ability to assess the importance and role of different types of ecosystems typical of the Mediterranean area.
- The ability to assess the importance of different species and ecosystems in Slovenia and abroad.
- The ability to estimate limits of tolerance to harmful human impacts of organisms and ecosystems.
- The ability to predict the effects of different impacts, both human as well as those triggered by global changes, on the basis of the insights into the structure and processes active within ecosystems.
- The ability to develop proposals for methods of monitoring the status of species and ecosystems.
- The ability to prepare strategies for the conservation and protection of various species and ecosystems, as well as for improvements in cases of degradation.
- The ability to decide on issues relating to biodiversity, nature, and the environment.
- The ability to develop strategies for managing natural systems.