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| **Study Programme : BSc in Ecology** | |
| **Degree level** Bachelor degree | |
| **Course Title:** Animal Behavior | |
| **Professor:** dr Ester Popović | |
| **Required/Elective Course:** Elective course | |
| **Number of ECTS:** 5 | |
| **Prerequisites:** Zoology of Invertebrates; Zoology of Chordates | |

**Course Objective:** This course provides a general introduction to the basic concepts involved in the study of animal behavior developed in ethology and sociobiology.

**Course Outcome:** Students are expected to become familiar and to understand behavior of animals, as well as to comprehend animal behavior in relation to evolution.

**Course Content:**

*Theoretical part*

Fundamental questions in animal behavior and the sign stimulus-fixed action patterns concept are reviewed, as well as basic concepts of learning: habituation, conditioning, instrumental (operant) learning, spatial learning and imprinting. The roles of various types of foraging and feeding are considered, as well as defensive and aggressive behavior, courtship and reproduction, migration and navigation, social behavior and communication, with contributions of inherited patterns and cognitive abilities.

*Practical part*

Theme follows and complements the lecture, accomplished with video material.

**Reading List:**

1. Scott, G. (2005): Essential Animal Behaviour. Blackwell Publishing
2. Alcock, J. (2001): Animal Behavior: An Evolutionary Approach (7. ed). Sinauer Associates.
3. Tinbergen, N. (1965): Animal behavior. The life nature library, Canada.
4. Тинберген, Н. (1978): Поведение животних, Издатесльтво "Мир", Москва.

| **Total hours:** | | | | |
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| Lectures: 2 | Practicals: 2 | Other: | Student research work: | |

**Methods of instruction:**

Theoretical lectures supplemented with audio and video. Written assignments and oral presentations

| Assessment (maximum number of points 100) | | | |
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| **Requirements** | **points** | **Final exam** | **points** |
| Active participation in lectures | | Practical exam | |
| Active participation in practicals | | Oral exam | |
| Test(s) or | | Oral presentations of written assignments | 10 |
| Pre-exam testing | | Final test | 50 |
| Written assignments | 40 | | |
| **Remark:** | | | |