SYLLABUS

1. Course title:

BEEKEEPING

2. Code:

3. Cycle of study:

1

4. ECTS credits:

3

5. Type of course:

○ Mandatory ◉ Elective

6. Prerequisites:

No prerequisites

7. Class restrictions:

No class restrictions

8. Duration / semester:

1 7

9. Weekly contact hours:

9.1. Lectures:	2
9.2. Seminars:	0
9.3. Laboratory/Practice classes:	1

10. Faculty:

Faculty of Technology

11. Department/study program:

Agronomy

12. Lecturer:

13. Lecturer's e-mail:

14. Web site:

www.tf.untz.ba

15. Course aims:

Acquiring basic knowledge and skills in performing the profession of beekeeping.

16. Learning outcomes:

After successfully passing the course, students will be able to:
- identify the basic honey plants
- Identify the basic types of honey
- apply the technological procedures necessary for rational beekeeping
- Plan a sequence of activities for the production of honey, pollen, propolis, royal jelly, bee poison and wax
- apply timely health care to beekeeping communities

17. Course content:

The course deals with knowledge of the specifics of biology, physiology and anatomy honeybees. The beekeeping technology will be treated in lectures and exercises. Breeding and selection is handled in theoretical and practical teaching. In addition to direct bee products such as honey, pollen propolis, wax royal jelly, there will also be covered the indirect benefits in the pollination of cultivated and wild plants. Major bee pastures in BiH and the world and their regional distribution are included. Students will be introduced to the basics of disease, pests, enemies of bees and signs of poisoning. Exercises include spring inspection of the bee community, development, formation of a new community, extraction of honey and production of propolis, pollen and wax.

18. Learning methods:

The methods of learning in the subject are:
- Lectures with the use of multimedia resources,
- Learning with active participation and discussion of students
- Field classes

19. Assessment methods:

After half of the semester (in the 8th week), students take the writing test, which includes previously treated topics from lectures. The student can achieve a maximum of 20 points on the first test. In the 13th week of the semester, students take the writing test (second test), which includes previously treated topics from lectures from the second semester. The student can achieve a maximum of 20 points on the second test. All students take both tests on the subject at the same time, thereby achieving uniformity of the level of knowledge that is being tested, as well as the conditions under which the student takes the exam. For a continuous activity in lectures throughout the semester, the student can achieve 0 to 10 points. The final exam is written or oral. All students have the right to go to the final exam. The maximum number of points a student can achieve on the final exam is 50. The minimum number of points on the final exam is 25.
Checks on all forms of knowledge are recognized as a cumulative test if the result is positive after each individual check and is at least 50% of the total of the predicted and / or required knowledge and skills.
In order to pass the course, a student must have at least 54 cumulative points of which at least 25 points on the final exam.

20. Assessment components:

The assessment of the exam is based on the total number of points the student has obtained by fulfilling the pre-requisites and passing the exam and is determined according to the following scale:

Student Obligations	Points
Presence and activity in class	10
Test I	20
Test II	20
Final Exam	50
Total	100

21. Required reading list:

1. Devillers, J., and Pham – Delague, M.H. 2002 Honey bees: Estimating the evironmetal imapcet of chemicals, Taylor and Francis, Lonodon and New York
2. Sulimanović, Đ., i suradnici 1995 Prepoznavanje i suzbijanje pčelinjih bolesti PIP Zagreb

22. Web sources:

23. Applicable starting from the academic year:

2016/2017

24. Adopted in the Faculty/Academy session: