

SYLLABUS

1. Course title:

INTRODUCTION TO AGRICULTURAL PRODUCTION

2. Code:**3. Cycle of study:****4. ECTS credits:****5. Type of course:** Mandatory Elective**6. Prerequisites:**

No prerequisites

7. Class restrictions:

No class restrictions

8. Duration / semester:**9. Weekly contact hours:**

9.1. Lectures:

3

9.2. Seminars:

0

9.3. Laboratory/Practice classes:

0

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:

To familiarize students with professional terminology and basic information about the individual branches of agriculture (field crops, fruit growing, viticulture, vegetable growing, livestock breeding).
Introduction to the factors affecting the results in various fields of agriculture.

16. Learning outcomes:

At the end of the semester, students will master the basics of agricultural production, be trained to understand the effects of environmental factors (climate, soil, agrotechnics) on the results of field crops, fruit growing, viticulture and vegetable growing.
Students will know the basic branches of cattle breeding, the specificity of cattle breeding in terms of purpose (production of milk, meat, eggs, wool, etc.).

17. Course content:

Concept, importance and basic branches of agriculture; Variety of plant world on Earth; Agriculture and ecology (climate, soil, nutrition and fertilization, agrotechnics); Plant as a yield factor; Crops (division of crops, cereals, wheat, industrial plants, herbaceous plants); Fruit growing and viticulture; Vegetable growing (vegetable systematics, vegetable requirements for the environment, propagation of vegetable crops, production technologies and methods of growing vegetables, weed protection, disease and pesticide use, sustainable and organically-organic vegetable production); Livestock farming (basic branches of livestock production: cattle, sheep, goat breeding, poultry farming etc.).

18. Learning methods:

- Lectures with the use of multimedia resources, active learning techniques and with active participation and discussion of students;
- Preparation and presentation of group and individual seminar papers.

19. Assessment methods:

After half of the semester, students take the writing test, which includes the lectures that have been studied, and at the end of the semester a 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. As part of the pre-requisites, students are required to prepare a seminar paper that will cover a specific topic from the content of the subject. Seminar work is submitted in written or electronic form to the subject teacher for examination and evaluation and then presented orally. All group students whose participation is valued individually participate in the creation and presentation of group seminar work. The student can achieve 0 to 5 points for the seminar work. Also, for a continuous activity on lectures and exercises throughout the semester, the student can achieve 0 to 5 points.

The final exam is oral. At the oral exam students answer three questions drawn from the program of the subject treated in lectures and exercises. An oral exam can be passed if the student answers all three questions. The maximum number of points a student can earn on an oral exam is 50.

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 for a student to pass a course, he/she must have a minimum of 54 cumulative points of which a minimum of 25 points on the final exam.

20. Assessment components:

Maximum number of points	
Test I	20
Test II	20
Student activity	5
Seminar paper	5
Final exam	50
Total	100

For a passing grade, the student must have at least 54 points.

21. Required reading list:

1. Kovačević V i sur (2014): Uvod u poljoprivrednu proizvodnju (interna skripta). Univerzitet u Tuzli, Tehnološki fakultet.
2. Butorac A. (1999). Opća agronomija – izabrana poglavlja, Školska knjiga, Zagreb

22. Web sources:**23. Applicable starting from the academic year:**

2016/2017

24. Adopted in the Faculty/Academy session: