

SYLLABUS

1. Course title:

QUALITY CONTROL OF PACKAGING MATERIALS AND PACKAGING

2. Code:**3. Cycle of study:**

1

4. ECTS credits:

5

5. Type of course: Mandatory Elective**6. Prerequisites:**

No

7. Class restrictions:

No

8. Duration / semester:

1

8

9. Weekly contact hours:

9.1. Lectures:

2

9.2. Seminars:

0

9.3. Laboratory/Practice classes:

2

10. Faculty:

Faculty of Technology

11. Department/study program:

Food Technology/Food Quality and Safety

12. Lecturer:

Dr. Sc. Milica Vilušić, Associate Professor

13. Lecturer's e-mail:

milica.vilusic@untz.ba

14. Web site:

www.tf.untz.ba

15. Course aims:

- Creation of highly educated experts for work in the food industry or the similar institution, packaging production facilities for the production and quality control of packaging materials, auxiliary raw materials in the process of packaging production, and packaging
- Increase knowledge of packaging materials, packaging and evaluate their packaging properties
- Solving problems in the domain of production control and packaging of food packaging

16. Learning outcomes:

- Sort and apply appropriate packaging for food packaging
- Identify newer types of packaging materials and evaluate their properties
- Check and examine packaging systems
- Manage quality in the production and application of packaging materials and packaging, and packaging
- Evaluate the quality of packaging materials, packaging and packaging with valid legal regulation
- Resolve problems in the field of quality packaging materials, packaging and food packaging

17. Course content:

Detailed knowledge of students with content of the subject, aim, teaching methods, exam methods, literature, etc. Identifying the characteristics of individual packaging materials (wood, paper and board, glass, metal, plastics, laminates), packaging and their proper application in the process Packaging of food products. Identification of the control system at reception, preparation and application of packaging materials and packagings. Getting acquainted with the input, process and final control of packaging materials and packaging in the food industry. Getting acquainted with the methods of controlling the mechanical and physical-chemical properties of packaging materials and packaging. Spilled and recycled packaging. Packaging quality quality. Legal regulations, packaging materials and packaging.

18. Learning methods:

- Lecture with the use of multimedia resources, active learning techniques, with active participation of students in the discussion
- Laboratory / practical exercises (individual and group), and additional visits (production plants)
- Consultations with specialized teacher and/or assistant

19. Assessment methods:

The examination of the knowledge will be done through two partial tests from the respective teaching units, after the first half of the semester (first partial test T1) and at the end of the semester (second partial test T2). The single test consists of 20 questions, each question being 1 point. Both tests put all the students on the subject at the same time, thereby achieving the level of knowledge that is being tested and the conditions under which a student passes an exam.

The final exam may be written and / or oral, depending on the number of points you have earned in the pre-exam.

At the final exam, students who have won the required number of points can enter a final grade. Students who have passed a partial test put the rest of the remaining (unbeaten) part on the final exam. Students who have not passed a partial test, on the final, or corrective or additional correction, pass the entire exam, which contains the questions of both partial tests).

Students who have not passed the exam in the academic year when they first attend the course will be subject to the remaining test assignments by the current Act of the University in Tuzla.

The assessment of the exam is based on the total number of points the student has obtained by fulfilling the pre-exam (minimum 28 points) and the completion of the final exam (minimum 26 points) according to the quality of the acquired knowledge and skills and contains at least 54 points or a maximum of 100 points.

20. Assessment components:

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

Student Obligations	Points (min-max)
- The presence and activity of the lectures and exercises	(3-5)
- The final colloquium in laboratory	(3-5)
- Test 1	(11-20)
- Test 2	(11-20)
- Total pre-exam	(28-50)
- The final exam	(26-50)

21. Required reading list:

Vujković, I. i sur. (2007): Ambalaža za pakiranje hrane, Tectus, Zagreb.

Curaković, M. i sur. (1984): Praktikum - kontola ambalažnih materijala i ambalaže, TF, Novi Sad.

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

2015/16.

24. Adopted in the Faculty/Academy session: