

## SYLLABUS

**1. Course title:**

Operation planning of production

**2. Code:**

Do not fill up

**3. Cycle of study:**

1

**4. ECTS credits:**

3

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

There is no

**7. Class restrictions:**

There is no

**8. Duration / semester:**

1

8

**9. Weekly contact hours:**

9.1. Lectures:

2

9.2. Seminars:

0

9.3. Laboratory/Practice classes:

0

**10. Faculty:**

Faculty of mechanical engineering

**11. Department/study program:**

Production Mechanical Engineering

**12. Lecturer:**

Dr. sc. Slađan Lovrić, assistant professor

**13. Lecturer's e-mail:**

sladjan.lovric@untz.ba

**14. Web site:**

www.mf.untz.ba

**15. Course aims:**

The main goal of the course "Operational Planning of Production" is to understand the meaning, role and possibilities of applying operational planning in production, and to master the necessary theoretical skills in the field of subject studies.

**16. Learning outcomes:**

At the end of the semester, successful students, who continued to perform their duties throughout the academic year, will be trained to apply operational planning methods in production.

**17. Course content:**

Uvod u Operativno planiranje, Karakteristike operativnog planiranja, Razvrstavanje problema operativnog planiranja, Odluka o osiguravanju dodjele imovine, Odlučivanje o nesigurnostima, Određivanje redoslijeda operacija, Operativno određivanje broja ljudi za promjenjive zadatke, Simuliranje pomoći u operativnom planiranju, Modeli planiranja Operacije, Uvod u matematičko programiranje, Operativno planiranje prometa, Operativno planiranje mreže.

**18. Learning methods:**

- Lectures - theoretical lectures, active two-way communication student professor, mandatory attendance of students;
- Tests from theory - solving tests / tasks;
- Seminar / Graphic Works - independent student work on solving the problem;
- Consultations - Clarify any ambiguities related to the topic of the subject being studied;

**19. Assessment methods:**

- Defense of seminar / graphic works - student defends his work in front of the professor / assistant - answers questions asked;
- Tests (from the theoretical part) - the student solves questions in a given time period related to the subject of study;
- Final Exam - oral answer to the questions asked by professors;
- Corrective Exam (written) - solving the questions asked in the given time period related to the subject of study;
- Corrective Exam (Oral) - Oral Answer to Questions Asked.

**20. Assessment components:**

To get the student to get a signature in the index must be present at more than 70% of lectures and exercises.

Examination of 15 points, Theory tests (2 tests per 15 points) 30, Seminar work 20 points, Final exam (oral) 35,

00 to 54 points 5 (Five) ,  
55 to 63 points 6 (six),  
64 to 72 points 7 (seven),  
73 to 81 points (Eight),  
82-90 = 9, (Nine)  
90-100 = 10 (Ten)

**21. Required reading list:**

1. L. Kun: Primary Research, Faculty of Mechanical Engineering, Novi Sad, 1973
2. D. Letić "Methods of Operational Research", Faculty of Engineering, Novi Sad, 1999

**22. Web sources:**

[www.mf.untz.ba](http://www.mf.untz.ba)

**23. Applicable starting from the academic year:**

2015/16

**24. Adopted in the Faculty/Academy session:**

01.06.2015