SYLLABUS

1. Course title:

CONSTRUCTION WORKS IN MINING INDUSTRY

2. Code:

LRUDGRR

3. Cycle of study:

1

4. ECTS credits:

4

5. Type of course:

Elective

6. Prerequisites:

No

7. Class restrictions:

No

8. Duration / semester(s):

1 | 3

9. Weekly contact hours and student workload:

	Semester (1)	Semester (2) (for two-semester courses)		Workload: (hours)
9.1. Lectures	2		Classes:	22,50
9.2. Seminars	0		Individual work:	79,67
9.3. Laboratory / Practice classes	0		In total:	102,1 2

10. Faculty:

Mining, Geology and Civil Engineering

11. Department/study program:

Mining Engineering

12. Lecturer:

PhD Kemal Gutić Full Professor

13. Course aims:

Provide knowledge about basic construction methods in mines. Improve students' skills related to continuous work throughout the entire year.

14. Learning outcomes:

At the end of the semester/course, successful students who have continuously fulfilled their obligations throughout the entire teaching period will be able to apply and explain phenomena from the areas covered in the program using the knowledge they have gained.

15. Course content:

Wooden structures. Steel structures. Masonry structures. Concrete and reinforced concrete. Earthworks. Retaining walls. Drainage systems. Foundation of structures. Roads. Railways. Bridges. High-rise buildings. Tunnels. Construction plans for structures.

16. Learning methods:

Lectures, exercises, consultations

- **Lectures and exercises are interactive and practical in nature**

17. Assessment methods:

The methods for assessing students' knowledge include the following criteria:

1. **Tests on the material**
2. **Oral and written knowledge assessments**
3. **Final exam**

Based on these criteria, at the end of the course, the instructor will form the final grade by evaluating individual activities.

18. Assessment components:

SYSTEM OF GRADING AND EVALUATION

Student Responsibilities and Points:

- **Attendance: 10 points**
- **Tests: 46 points**
- **Activity: 4 points**
- **Pre-exam activities: 50 points**
- **Final exam: 50 points**

Total Points: 100

The final success of the student, after all the planned knowledge assessment methods, is evaluated and graded using a system comparable to the ECTS grading scale as follows:

- **10 (A) - Excellent performance with no or minimal errors, earns 95-100 points;**
- **9 (B) - Above average, with some errors, earns 85-94 points;**
- **8 (C) - Average performance, with noticeable errors, earns 75-84 points;**
- **7 (D) - Generally good, but with significant deficiencies, earns 65-74 points;**
- **6 (E) - Meets minimum criteria, earns 54-64 points;**
- **5 (F, FX) - Fails to meet the minimum criteria, earns less than 54 points.**

19. Mandatory reading list:

S.Jajčanin: Građevinarstvo u rudarstvu, I dio, Univerzitet u Sarajevu, 1976.god.
Građevinski tehničar br. I, II i III
Ervin Nonveiler: Savremeno građenje puteva
E.Polivanov: Armirano-betonski mostovi

20. Additional reading list:

Z. Ibrišimović, Podzemni pritisci, udžbenik, Univerzitet Tuzla 2006

21. Web sources:

22. Applicable from the academic year:

2025/26.

23. Adopted in the Faculty/Academy session: