UNIVERSITY OF TUZLA UNIVERZITET U TUZLI

SYLLABUS

1. Course title:

MMINERAL DEPOSITS

2. Code:

LRUDLMS

3. Cycle of study:

1

4. ECTS credits:

3

5. Type of course:

Mandatory

6. Prerequisites:

No

7. Class restrictions:

No

8. Duration / semester(s):

1 | 2

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:	65,00
9.3. Laboratory / Practice classes	0		In total:	87,50

10. Faculty:

Mining, Geology and Civil Engineering

11. Department/study program:

Mining Engineering

12. Lecturer:

PhD Rejhana Dervišević Full Professor

13. Course aims:

The course aims to familiarize students with the tasks, theoretical concepts, and practical problem-solving techniques in the field of genesis and practical processing of explored mineral deposits. It also emphasizes the necessity of completing this knowledge, its applicability, and the development of engineering skills required to solve specific and real-world

professional problems.

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 the acquired knowledge in the areas covered by the curriculum in practice. They will be capable of identifying the causes and geological environment for the formation of specific mineral deposits (metallic, non-metallic, and energy-related)

15. Course content:

Introduction: General characteristics of mineral resource deposits and their significance. Overview of the model for deposit formation, geological conditions for deposit formation, endogenic, exogenic, and metamorphic deposits, controlling factors for distribution, and morphogenetic characteristics of deposits. The composition of ores, structures, textures, and forms of ore bodies. Deposits of metallic mineral resources, deposits of non-metallic mineral resources, and deposits of energy mineral resources.

16. Learning methods:

Lectures using multimedia tools with active participation and discussions among students, consultations.
- **Preparation and presentation of group or individual assignments.**

17. Assessment methods:

The methods for assessing students' knowledge include:
1. **Test on the material**
2. **Seminar paper**
3. **Activity in lectures**
4. **Final exam**

18. Assessment components:

The grade for the exam is based on the quality of acquired knowledge and skills and is a total of 100 points:
- **Attendance - lectures: 5 points**
- **Activity: 5 points**
- **Test on the material: 30 points**
- **Seminar paper: 20 points**
- **Pre-exam activities: 60 points**
- **Final exam: 40 points**

Total points: 100 points
The final grade for the student, after all forms of knowledge assessment, is evaluated and graded according to the ECTS grading scale as follows:
a) 10 (A) - Excellent performance with no or minimal errors, 95-100 points
b) 9 (B) - Above average, with a few errors, 85-94 points
c) 8 (C) - Average, with noticeable errors, 75-84 points
d) 7 (D) - Generally good, but with significant deficiencies, 65-74 points
e) 6 (E) - Meets minimal criteria, 54-64 points
f) 5 (F, FX) - Does not meet minimal criteria, less than 54 points

19. Mandatory reading list:

1. Kurtanović, R. (1997): Ležišta mineralnih sirovina
2. Janković, S. (1981): Ležišta mineralnih sirovina-geneza rudnih ležišta
3. Pamić, N., Nikolić, P. (1983): Ugalj
4. Vakanjac, B. (1992): Geologija ležišta nemetaličnim mineralnih sirovina

20. Additional reading list:

21. Web sources:

22. Applicable from the academic year:

2025/26.

23. Adopted in the Faculty/Academy session: