UNIVERSITY OF TUZLA UNIVERZITET U TUZLI

SYLLABUS

1. Course title:

MATERIAL HANDLING AND DELIVERY

2. Code:

LRUDRMDP

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 | 5

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:	78,50
9.3. Laboratory / Practice classes	0		In total:	101,0 0

10. Faculty:

Mining, Geology and Civil Engineering

11. Department/study program:

Mining Engineering

12. Lecturer:

PhD Sunčica Mašić Full Professor

13. Course aims:

Familiarizing students with the basic methods of material transportation and handling. Improving their skills related to continuous work throughout the 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 their acquired knowledge in explaining and utilizing concepts from the areas covered in the program.

15. Course content:

Syllabus Presentation.
Understanding Materials
Amorphous materials, pasty materials, and materials with a stable form
The significance of the physico-chemical nature of materials
Properties of Materials
Mechanical properties
Physical properties
Electrical properties
Chemical properties
Chemical resistance to corrosion
Technological properties
Materials Used in Mining
Materials in transportation
Classification of materials in transportation
Material Handling Systems and Equipment for Material Delivery in Mines
Principles of material handling
Elevators
Transport properties of materials
Hazardous materials in transportation
Material delivery
Material feeders

16. Learning methods:

Lectures and Consultations
Lectures are interactive in nature.

17. Assessment methods:

Methods of Student Knowledge Assessment Include the Following Criteria:

1. **Attendance and participation in lectures**
2. **Subject matter test**
3. **Seminar paper**
4. **Final exam**

Based on these criteria, the professor will evaluate individual activities and determine the final grade at the end of the course.

18. Assessment components:

Grading and Scoring System:

- **Test: 20 points**
- **Seminar paper: 26 points**
- **Attendance and participation: 4 points**
- **Pre-exam activities: 50 points**
- **Final exam: 50 points**
- **Total points: 100 points**

Final Evaluation Based on Knowledge Assessment (Using the ECTS Scale):

- **10 (A): Exceptional success with no errors or only minor errors, 95-100 points**
- **9 (B): Above average with a few mistakes, 85-94 points**
- **8 (C): Average with noticeable mistakes, 75-84 points**
- **7 (D): Generally good but with significant deficiencies, 65-74 points**
- **6 (E): Meets the minimum criteria, 54-64 points**
- **5 (F, FX): Does not meet the minimum criteria, less than 54 points.**

19. Mandatory reading list:

Sunčica Mašić Sadudin Hodžić Ttransport fluida I“, Tuzla 2008
Sunčica Mašić, Nedžad Alića „Hidraulički i pneumatski transport materijala u rudarstvu“, Tuzla 2011
Hodžić S. «Transport u rudarstvu»,(udžbenik), Univerzitet u Tuzli, Tuzla, 1998. god.
M. Grujić:Doprema repromaterijala i prevoz radnika u rudnicima Rudarsko-geološki fakultet, 1995

20. Additional reading list:

21. Web sources:

22. Applicable from the academic year:

2025/26.

23. Adopted in the Faculty/Academy session: