No. 52

| Course syllabus for First cycle studies | | | | | | |
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| 1. | **Course title** | Project management | | | | |
| 2. | **Code** | MDE8M1 | | | | |
| 3. | **Study Program** | Metallurgical digital engineering | | | | |
| 4. | **Study program organizer (unit, institute, department, division)** | Faculty of Technology and Metallurgy, UKIM, Skopje | | | | |
| 5. | **Degree (first, second, third cycle)** | First cycle of studies | | | | |
| 6. | **Academic year / semester** | 4/VIII | 7. | **Number of ECTS** | 5 | |
| 8. | **Instructors** | Prof. Biljana Angelova | | | | |
| 9. | **Prerequisites for course enrollment** | / | | | | |
| 10. | **Objectives of the course syllabus (competences):**<br>The purpose of this course is to enable students to understand the process of project-based management, project cycle, and be able to use the basic tool of the project management in which the three basic determinants of projects are incorporated, namely the timing framework, budget and project activities.<br>**Acquired skills (competences):**<br>- Students acquire theoretical and practical knowledge of all relevant aspectsrelated to the definition and management of projects, i.e. for core areasof project management.<br>- Develop the ability to understand the basic methodological aspects of the projectmanagement;<br>- Acquire applied knowledge of the key principles of planning and draftingproject plans, control and analysis of projects, as well as monitoring the implementation ofprojects;<br>- Acquire skills for successful project management using project management tools. | | | | | |
| 11. | **Content of the course:**<br>1. The concept of project management<br>2. Methods and techniques of project management<br>3. Types of projects<br>4. Project determinants (budget, timeline, activities)<br>5. Project planning<br>6. Implementation of the project<br>7. Project monitoring and control<br>8. Project closure and evaluation<br>9. Project management tools and techniques<br>10. Case studies and development of a practical example of the application of tools of project management | | | | | |
| 12. | **Study methods:** Teaching is conducted in the form of lectures with discussions, using interactive methodswhich include independent student assignments, presentations and more. | | | | | |
| 13. | **Total available time** | | 15 weeks<br>5ECTS x 30 hours = 150 hours<br>Weekly lectures (1+1) | | | |
| 14. | **Allocation of available time** | | 12 weeks + 3 weeks consultations<br>15 + 15 + 120 = 150 | | | |
| 15. | **Teaching activities** | 15.1. | Lectures – (theory) | 15 hours | | |
| | | 15.2. | Tutorials (laboratory, auditory), seminars, teamwork | 15 hours | | |
| 16. | **Other types of activities** | 16.1. | Projects | 30 hours | | |
| | | 16.2. | Individual activities | 45 hours | | |

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| | | 16.3. | Studying | | 45 hours |
| 17. | **Grading system** | | | | |
| | 17.1. | Tests | | | 60 points |
| | 17.2. | Seminar paper/project (presentation: written and oral) | | | 30 points |
| | 17.3. | Activity and participation | | | 10 points |
| 18. | **Grading criteria (points/grade)** | Up to 61 points | | | 5 (five) (F) |
| | | from 61 to 68points | | | 6 (six) (E) |
| | | from 69 to 76points | | | 7 (seven) (D) |
| | | from 77 to 84points | | | 8 (eight) (S) |
| | | from 85 to 92points | | | 9 (nine) (B) |
| | | from 93 to100points | | | 10 (ten) (A) |
| 19. | **Prerequisites for taking the final exam** | Attendance at lectures and tutorials, seminar paper | | | |
| 20. | **Language in which lectures are conducted** | English | | | |
| 21. | **Method for monitoring the quality of lectures** | Internal evaluation mechanisms | | | |
| 22. | **LITERATURE** | | | | |
| | 22.1. | Compulsory literature | | | |
| | | No. | Author | Title | Publisher | Year |
| | | 1. | Cynthia Snyder Dionisio | A project manager's book of tools and techniques | John Wiley & Sons, Inc., Hoboken, New Jersey | 2018 |
| | 22.2. | Additional literature | | | |
| | | No. | Author | Title | Publisher | Year |
| | | 1. | Adrienne Watt | Project Management | BCcampus Open Textbook project, open source, textbook British Columbia Ministry of Advanced Education | 2012 |
| | 22.2 | 2. | Joseph Heagney | Fundamentals of Project Management | AMACOM, a division of American Management Association, 1601 Broadway, New York, | 4th ed. 2012 |