

| STUDY MODULE DESCRIPTION FORM | | |
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| Name of the module/subject Passing Project | | Code 1010611261010614451 |
| Field of study Transport | Profile of study (general academic, practical) (brak) | Year /Semester 3 / 6 |
| Elective path/specialty Logistics of Transport | Subject offered in: Polish | Course (compulsory, elective) obligatory |
| Cycle of study: First-cycle studies | Form of study (full-time, part-time) full-time | |
| No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: 4 | | No. of credits 6 |
| Status of the course in the study program (Basic, major, other) (brak) | | (university-wide, from another field) (brak) |
| Education areas and fields of science and art technical sciences | | ECTS distribution (number and %) 6 100% |
| Responsible for subject / lecturer: Szymon Fierek, M.Sc. email: szymon.fierek@put.poznan.pl tel. 61 665 27 16 Faculty of Machines and Transport 3 Piotrowo street, 60-965 Poznan, Poland | | |
| Prerequisites in terms of knowledge, skills and social competencies: | | |
| 1 | Knowledge | Student has a basic knowledge of management in transportation companies. Student has a basic knowledge of logistics in transportation companies. Student has a basic knowledge of operation research. |
| 2 | Skills | Student is able to associate and integrate the information, analyze the phenomena occurring in the environment, draw conclusions, formulate and justify opinions about fleet management maintenance and logistic systems. Ability to make use of the basic functionality of MS Office (especially, MS Excel) |
| 3 | Social competencies | Student is able to do a literature research and knows the rules of work group and discussion. The student has self-reliance in solving problems. |
| Assumptions and objectives of the course: -Acquainting students with the modeling and solving decision problems in transport and logistics . | | |
| Study outcomes and reference to the educational results for a field of study | | |
| Knowledge: | | |
| 1. Has the knowledge of the rules of verbal description of decision problems - [K1A_W09] 2. Knows the methodology of solving basic decision problems in transportation and logistics - [K1A_W11] 3. Has the knowledge of a project scheduling - [K1A_W19] | | |
| Skills: | | |
| 1. Is able to identify and describe verbally the decision problems in transportation and logistics - [K1A_U02] 2. Is able to analyze the most important factors that may affect on decision problems in transportation and logistics - [K1A_U11] 3. Is able to analyze in details problems which may occur in transportation and logistics - [K1A_U17] | | |
| Social competencies: | | |
| 1. aware of d understands the importance and impact of non-technical aspects of mechanical engineering activities and its impact on the environment and responsibility for own decisions - [K2A_K02] 2. Is able to develop knowledge in transportation and logistics - [K2A_K05] | | |

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| Assessment methods of study outcomes |
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| <p>-Assessment of progress in project realization Final report of the project, Presentation of the project results</p> | | |
| Course description | | |
| <p>-Introduction to the subject: Presentation of the rules of assessment and topics project discussion. Projects assignment. Project schedule: Presentation of the main assumptions of the projects with scope, aim and schedule (with Gantt chart). Project checkpoints: Presentation of project progress which cover the following information: topic information, progress so far (what was completed), any results so far, problems encountered, changes in the project plan. Presentation of final results: Each student must prepare presentation that summarizes the result of his/her project.</p> | | |
| Basic bibliography: | | |
| <p>1. Figueira J., Greco S., Ehrgott M. (eds.): Multiple Criteria Decision Analysis. State of the Art. Surveys. Springer, New York, 2005 2. Hensher, D., Button, K.: Handbook of Transport Modelling. Elsevier, Oxford (2000) 3. Żak J.: Wielokryterialne wspomaganie decyzji w transporcie drogowym. Rozprawy, Nr 394, Wydawnictwo Politechniki Poznańskiej, Poznań, 2005 4. Literature recommended by the lecturer, corresponding to particular projects.</p> | | |
| Additional bibliography: | | |
| <p>1. Literature recommended by the lecturer, corresponding to particular projects.</p> | | |
| Result of average student's workload | | |
| Activity | Time (working hours) | |
| 1. Preparation for classes | 15 | |
| 2. Participation in classes | 25 | |
| 3. Project tasks realization | 60 | |
| 4. Consultations | 20 | |
| 5. Preparation of the final report | 25 | |
| 6. Final presentation of the project results | 5 | |
| Student's workload | | |
| Source of workload | hours | ECTS |
| Total workload | 150 | 6 |
| Contact hours | 40 | 2 |
| Practical activities | 150 | 4 |