

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Transport Management		Code 1010612221010620493
Field of study Transport	Profile of study (general academic, practical) (brak)	Year /Semester 1 / 2
Elective path/specialty Railway Transport	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: 2 Classes: 1 Laboratory: - Project/seminars: -		No. of credits 3
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 %) 3 100%
Responsible for subject / lecturer: Prof. Franciszek Tomaszewski, DSc., DEng. email: franciszek.tomaszewski@put.poznan.pl tel. +48 61 665 25 70 Faculty of Working Machines and Transportation Piotrowo 3 street, 60-965 Poznan		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	knowledge of bases of organization and management
2	Skills	the analysis of phenomena occurring in transport, extraction and to draw conclusions
3	Social competencies	getting information from the literature, leading discussions and arguments
Assumptions and objectives of the course: Development of theoretical bases and knowledge of principles and methods of transport management		
Study outcomes and reference to the educational results for a field of study		
Knowledge: 1. has ordered theoretically knowledge of the problems of traffic flow in transport networks. - [K2A_W08] 2. has basic knowledge in the field of organization, management and control in transportation systems. - [K2A_W20]		
Skills: 1. can get access to information from the literature, the Internet, databases, and other sources. - [K2A_U01] 2. has the skills of self-education, and can determine the direction of further education with the use of modern teaching. - [K2A_U06]		
Social competencies: 1. has the skills of self-education, and can determine the direction of further education with the use of modern teaching. - [K2A_K01] 2. able to determine the objectives and priorities of their implementation for ourselves and for our staff. - [K2A_K05] 3. knows how to think and act this way, enterprising, to decide, to act for the development of the employer and society. - [K2A_K07]		
Assessment methods of study outcomes		
A written exam, a Colloquium loans		
Course description		

The concept and interpretation of transport management. The description of different types of transport. The essence of services and forwarding of cargo during transportation. Design of transport networks at an angle in space and in time. The definition of areas of operation. Design of transport networks for valuable ? evaluation of profitability of investments in transport decisions. The cost estimates and location of transshipment centers. The cost of transport processes. Rates and tariffs for transportation. Ways to minimize transportation costs in logistics system.

Definition of optimum time of replacement vehicle for a new, including depreciation. Documents during transportation national and international levels. Formula center

INCOTERMS 2000. The use of index analysis inspection of transport processes. The concept of damages and claims, in transport. Methods and tools for assessing transport providers. The cost of transport services quality. Method QFD as a tool for improving the quality of transport services.

Basic bibliography:

1. Dembińska-Cyran I., Gubała M., Podstawy zarządzania transportem w przykładach. Instytut logistyki i magazynowania, Poznań 2003.
2. Romanow P., Zarządzanie transportem przedsiębiorstw przemysłowych. Wyższa Szkoła Logistyki, Poznań 2003.

Additional bibliography:

1. Rydzkowski W., Wojewódzka-Król K., Transport. Wydawnictwo Naukowe PWN, 2005.

Result of average student's workload

Activity	Time (working hours)
1. Preparation for the performance	1
2. Participation in lectures	30
3. Fixing the contents of the lectures	4
4. Consultations, lectures	1
5. Exam preparation	10
6. Participation in the exam	1
7. Preparing for exercises	4
8. Part in the exercises	15
9. Fixing the contents of physical exercises	4
10. Consultations for physical exercises	1
11. Preparation of set-off	10
12. Participation in success	1

Student's workload

Source of workload	hours	ECTS
Total workload	82	3
Contact hours	49	2
Practical activities	0	0