

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Economics of Transportation		Code 1010611361010610630
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: 2 Classes: 1 Laboratory: - Project/seminars: -		No. of credits 2
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 Technical sciences		ECTS distribution (number and %) 2 100% 2 100%
Responsible for subject / lecturer: dr inż. Marcin Kiciński email: marcin.kicinski@put.poznan.pl tel. 61 665 21 29 Wydział Inżynierii Transportu ul. Piotrowo 3 60-965 Poznań		Responsible for subject / lecturer: dr inż. Szymon Fierek email: szymon.fierek@put.poznan.pl tel. 61 665 27 16 Wydział Maszyn Roboczych i Transportu ul. Piotrowo 3, 60-965 Poznań
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Student has a basic understanding of economic phenomena, including the market mechanism and specificity of decision-making in market economy.
2	Skills	Student is able to associate and integrate the information, analyze the phenomena occurring in the environment, draw conclusions, formulate and justify opinions.
3	Social competencies	Student is able to do a literature research and knows the rules of work group and discussion.
Assumptions and objectives of the course: Acquiring of the knowledge about economics of transport, in particular about the specificity of the transport sector and operation and business of transport companies.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Has the knowledge of the basic terms related to economics of transport companies. - [T1A_W11] 2. Has the knowledge of the operational rules of transport companies. - [T1A_W11] 3. Has the construction of basic financial statements of several transport companies. - [T1A_W11] 4. Has the structure and types of costs in transport. - [T1A_W11]		
Skills:		
1. Is able to calculate key indicators of financial analysis based on financial statements and to interpret them - [T1A_U01] 2. Is able to characterize the structure of assets and the cost of transport companies - [T1A_U01] 3. Is able to assess the financial condition of the company based on the financial statements - [T1A_U01] 4. Is able to perform a basic profitability analysis of investment projects - [T1A_U01]		
Social competencies:		
1. Understands the importance of sound financial management for the company operating in the market economy - [T1A_K01] 2. Is able to develop his knowledge in the field of economic analysis - [T1A_K03] 3. Is able to formulate opinions on the company business operation - [T1A_K05]		

Assessment methods of study outcomes		
Partial evaluation: Lectures - assessment of the student activity during lectures Classes - evaluation of the exercises Final evaluation: Lectures: assessment of the student activity during lectures and a written final exam Classes: evaluation of the final case study		
Course description		
1 Purpose and scope of economic analysis: Basic terms. 2 Balance Sheet: Balance sheet layout. Meaning and scope of information. Discussion of the components. 3 Balance sheet analysis: Vertical and horizontal analysis. Indicators of assets and capital structure. Dynamics and structure study of assets and liabilities. 4 Costs in transport: Analysis of the costs. Cost breakdown according to selected criteria. Components of costs. Impact of economies of scale and experience curve on the costs. 5 Revenues: Analysis of revenue. Revenue breakdown. Links between the different types of revenues. 6 Income statement: Income statement layout. Factors affecting the financial results. Vertical and horizontal analysis. 7 Profitability analysis: Analysis of return on assets, equity and sales. Basic indicators of profitability. 8 Analysis of liquidity: Liquidity ratios of the company. Net working capital. Construction and purpose of the cash flow statement. 9 Analysis of current assets: Management of working capital. Turnover ratios (assets, inventories, receivables, payables). Working capital cycle. 10 Analysis of debt: Debt ratios. Rules of debt structure. Debt leverage. 11 Sales Analysis: Analysis of sales dynamics and sales structure of transport companies. 12 Analysis of resources. The effectiveness of employment and fixed assets use. 13 Investment projects: Typical investment project evaluation. Project profitability assessment tools. 14 Assessment of the financial condition and management of transport companies.		
Basic bibliography:		
1. Grochowski K., Analiza ekonomiczna w transporcie, Wydawnictwo Uczelniane Wyższej Szkoły Gospodarki, Bydgoszcz 2012 2. Kołaczyk Z., Rachunkowość przedsiębiorstw część 1 i 2, Wydawnictwo eMPI2, Warszawa 2007. 3. Zaleska M., Ocena ekonomiczno-finansowa przedsiębiorstwa przez analityka bankowego, Wydawnictwo SGH, Warszawa 2005.		
Additional bibliography:		
1. Czekaj J., Dresler Z., Zarządzanie finansami przedsiębiorstw, Wydawnictwo Naukowe PWN, Warszawa 2008. 2. Gmytrasiewicz M., Karmańska A., Rachunkowość finansowa, Wydawnictwo Difin, Warszawa 2006.		
Result of average student's workload		
Activity	Time (working hours)	
1. Preparation for classes	3	
2. Participation in lectures and classes	45	
3. Learning of lectures content	4	
4. Consultations	1	
5. Preparation for the exam and calsses	4	
6. Participation in the exam	1	
Student's workload		
Source of workload	hours	ECTS
Total workload	58	2
Contact hours	47	1
Practical activities	0	0