Faculty of Working Machines and Transportation

| | | STUDY MODULE D | ESCRIPTION FORM | | |
|---|---|--|--|---|--|
| | f the module/subject sport economics | 6 | Code 1010621271010612393 | | |
| Field of study | | | Profile of study (general academic, practical (brak) | | |
| Transport | | | | 4/7 | |
| Elective path/specialty Railway Transport | | | Subject offered in: Polish | Course (compulsory, elective) obligatory | |
| Cycle o | | | Form of study (full-time,part-time) |) | |
| | First-cyc | ele studies | full-time | | |
| No. of h | ours | | | No. of credits | |
| Lectu | e: 1 Classes | s: 1 Laboratory: - | Project/seminars: | - 2 | |
| Status | | program (Basic, major, other) | (university-wide, from another | field) | |
| | | (brak) | (brak) | | |
| Education areas and fields of science and art | | | | ECTS distribution (number and %) | |
| technical sciences | | | | 2 100% | |
| | | | | | |
| Resp | onsible for subje | ect / lecturer: | Responsible for subje | ect / lecturer: | |
| _ | ieszka Merkisz-Guran | | Wojciech Karpiuk, Ph.D. | | |
| | - | -guranowska@put.poznan.pl | email: wojciech.karpiuk @put.poznan.pl | | |
| | 61 647 59 58 Julty of Working Machin | nes and Transportation | tel. 61 665 27 05 Faculty of Machines and Transport | | |
| | Piotrowo 3 60-965 Poz | | 3 Piotrowo street, 60-965 Poznan, Poland | | |
| Prere | equisites in term | s of knowledge, skills an | d social competencies | : | |
| 1 | Knowledge | Student has a basic understand and specificity of decision-makin | | ncluding the market mechanism | |
| 2 | Skills | | s able to associate and integrate the information, analyze the phenomena occurring in onment, 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 | | | |
| Assu | mptions and obj | ectives of the course: | | | |
| Acquir operati | ing of the knowledge a | about economics of transport, in pansport companies. | particular about the specificity of | of the transport sector and | |
| | Study outco | mes and reference to the | educational results for | r a field of study | |
| Knov | vledge: | | | - | |
| 1. Has | the knowledge of the | basic terms related to economics | of transport companies [K1A | _W11] | |
| | the knowledge of the city of the transport se | strategy types of enterprises oper ctor [K1A_W11] | ating in a market economy with | h particular emphasis on the | |
| 3. Has | the knowledge of the | operational rules of transport com | panies [K1A_W21] | | |
| | the knowledge of the nt modes of transport | rules governing the functionality o - [K1A_W11] | f transport companies includin | g the breakdown between | |
| 5. Has | the knowledge of the | method of calculation of the selec | ted costs relating to the transp | ort companies - [K1A_W11] | |
| Skills | S: | | | | |
| 1. Is al | ole to characterize the | models of competition in the trans | sport sector - [K1A_U01] | | |
| 2 10 0 | olo to analyzo the strat | tegies of transport companies and | access their performance | <1Δ LI061 | |

- ble to analyze the strategies of transport companies and assess their performance <code>-[K1A_U06]</code>
- 3. Is able to interpret phenomena in the transport sector in the context of their impact on the development of the market -[K1A_U01]
- 4. Is able to analyze the cost group occurring in companies dealing with transport services [K1A_U09]
- 5. Is able to calculate what type of transport means should be chosen by a company $\,$ [K1A_U16]
- 6. Is able to calculate the depreciation of means of transport [K1A_U16]

Social competencies:

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- 1. Understands the importance of the operation of transport companies to address social needs and to support economy as a whole [K1A_K02]
- 2. Is able to develop his knowledge in the field of transportation economics [K1A_K01]
- 3. Is able to apply his knowledge to practical purposes in relation to the activities of transport companies. [K1A_K03]

Assessment methods of study outcomes

Partial evaluation:

Lectures - assessment of the student activity during lectures

Classes - assessment of the student activity during classes and presentations of discussed topics

Final evaluation:

Lectures: Average rating taking into account assessment of the student activity during lectures and a written final test Classes: average rating taking into account student?s activity in the classes and presented topics.

Course description

Lectures:

- 1 Economic importance and functions of transport. The relationship between transport and the economy.
- 2 Strategies on the transport market. Types of strategies. Typical strategies for road transport, logistic sector and air transport.
- 3 Impact of the regulatory processes on the transport sector.
- 4 Co-operation and capital consolidation in the transport sector (strategic alliances, mergers and acquisitions)
- 5 Economic problems in the development of transport companies in Poland relating to the transformation associated with the functioning of the single European market.
- 6 Market outlook. Opportunities and threats for the development of sub-markets in the transport sector.

Classes:

- 1 Costs structure of transport companies. Cost of production of transport services? total and unit transport cost calculations. The efficiency of transport services, the mechanism of concessions.
- 2 Prices of transport services. Principles and rules of pricing the transport services . Factors that impact on prices. Methods of pricing contracts and tariff. Calculation of fees according to the rates and tariffs.
- 3 Leasing of transport means: Calculation of fees for rental modal approach.
- 4 Purchase of transport means: Calculation of the cost of purchases including the projected income, the average variable cost of producing the services and interest rates.
- 5 Depreciation in transport companies: Types of depreciation. The concept of depreciation. Methods of calculating depreciation linear method and degressive method.

Basic bibliography:

- 1. Mindur M., Wzajemne związki i zależności między rozwojem gospodarki a transportem, Wydawnictwo Instytutu Technologii Eksploatacji, Warszawa 2004.
- 2. Ciesielski M., Szudrowicz A., Ekonomika Transportu, Wydawnictwo Akademii Ekonomicznej w Poznaniu, Poznań 2001.
- 3. Stajniak M., Hajdul M., Foltyński M., Krupa A., Transport i spedycja, Biblioteka Logistyki, Poznań 2005.

Additional bibliography:

- 1. Liberadzki B., Mindur L., Uwarunkowania rozwoju systemu transportowego Polski, Wydawnictwo Instytutu Technologii Eksploatacji, Warszawa -Radom 2006.
- 2. Marciszewska E., Pieriegud J., Benchmarking and Best Practices in Transport Sector., Oficyna Wydawnicza SGH, Warszawa 2009.
- 3. Skawińska E. (ed), Wybrane problemy ekonomii, ćwiczenia z zadaniami, Wydawnictwo Politechniki Poznańskiej, Poznań 2003.

Result of average student's workload

| Activity | Time (working hours) |
|------------------------------------|----------------------|
| Participation in lectures | 15 |
| 2. Learning of lectures content | 5 |
| 3. Preparation for the final test | 5 |
| 4. Participation in the final test | 2 |
| 5. Preparation for classes | 5 |
| 6. Participation in classes | 15 |
| 7. Learning of the classes content | 5 |

| Student's workload | | | | |
|----------------------|-------|------|--|--|
| Source of workload | hours | ECTS | | |
| Total workload | 52 | 2 | | |
| Contact hours | 32 | 1 | | |
| Practical activities | 15 | 1 | | |