# **SYLLABUS** (OF A COURSE/MODULE)

| Course/module (as specified in the approved curriculum for the field of study)<br>Transport leśny | ECTS<br>2 | Catalogue number |
|---|---|---|
| Name in English<br>Forest Transport | | |
| Unit(-s) providing the course/module (Institute/Department)<br>Department of Forest Technology | | |
| Head of course/module<br>mgr inż. Krzysztof Polowy | | |

| Field of study<br>Forestry | Level<br>2 | Profile<br>general academic | Semester<br>2 |
|---|---|---|---|
| Specialisation<br>- | MSc Specialisation<br>- | | |

**TYPE OF CLASSES/LECTURES AND THE NUMBER OF HOURS**
(organised classes/lectures and self-study)

| Type of studies: full-time | | Type of studies: extramural | |
|---|---|---|---|
| - lectures | 6 | - | |
| - practicals | 10 | - | |
| - | | - | |
| - | | - | |
| - | | - | |
| - Self-study | | - | |
| Total number of hours: | 16 | Total number of hours: | |

**OBJECTIVE OF COURSE/MODULE**

The objective is to familiarise students with organisation of transport procedures in forestry, along with planning timber extraction and road transport of timber. Knowledge of law requirements for transport and industry's code of practice is included.

**TEACHING METHODS**

- Lectures in class using Power Point presentations.
- Practicals will cover case studies and exercises in planning forest transport activities.
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| | **LEARNING OUTCOMES** | Reference to field outcomes | Reference to area outcomes |
|---|---|---|---|
| knowledge | E1. Students have extensive knowledge on the design and operation of machines for silvicultural, protection and engineering operations, as well as those for harvesting, extraction and transport of timber | L2A_W09 | R2A_W05 |
| | E2. Students have extensive knowledge on planning and performing nursery, regeneration, tending, protection, engineering, felling and extraction and transport operations | L2A_W10 | R2A_W05 |
| skills | E3. Students can conduct an in-depth economic, social and legal analysis of undertaken operations. | L2A_U12 | R2A_U01<br>R2A_U07 |
| | E4. Students can organise on site and evaluate performance of complex woks and operations in seed production, nursery production, regeneration, tending, protection, engineering, felling and extraction and transport | L2A_U07 | R2A_U06 |
| Social competences | E5. Students can integrate into a team at work, assuming different roles in the work team | L2A_K01 | R2A_K02 |
| | E6. Students understand the need for continuous learning, they show initiative in continuous broadening of their knowledge and skills in their profession, they can inspire and organise the learning process for others | L2A_K06 | R2A_K01<br>R2A_K07 |

| **Methods to verify learning outcomes**<br>Written examination | Outcome Reference Numbers<br>E1-E6 |
|---|---|

**TEACHING CONTENT**

**Lectures**:
1. Planning and organisation of timber procurement operations
2. Cooperation between all parties in timber procurement chain
3. Timber utilisation systems. Machinery used in cut-to-lenght and long wood system
4. Productivity and costs of timber extraction
5. Stacking the timber – legal and organisational requirements
6. Road transport of round timber – legal frames and industry code of practice

**Practicals**:
1. Calculation of volume and extraction distance of timber procured from specific area
2. Calculation of productivity, time consumption and costs of extraction
3. Planning and organisation of extraction and stacking of timber
4. Organisation and calculations of road transport of extracted timber

| **Forms and criteria for passing of course/module**<br>Written examination | Percentage of final mark<br>100% |
|---|---|

LIST OF LITERATURE


1. Forests in Poland, the State Forests yearly, available at: www.lasy.gov.pl
2. Working in harvesting team, Part 2 Practical Production, Per-Erik Persson, 2012, Mora in Europe, Kaparatt
3. Road Haulage of Round Timber Code of Practice, Irish Forest Industry Chain
4. Road Haulage of Round Timber – Code of Practice, 2002 The Roundwood Haulage Working Party