STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Diploma Seminar**		Code **1010621271010620467**
Field of study **Transport**	Profile of study (general academic, practical) **(brak)**	Year /Semester **4 / 7**
Elective path/specialty **Railway 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: **2**		No. of credits **15**
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 %) **15 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Students have elementary knowledge about subjects of general education, elementary education and specialist education of field of study - Transportation. Students have elementary knowledge about structure and operational use of rail vehicles.
2	**Skills**	Students can use gained knowledge for analysis of certain phenomenon and process occurring in rail transportation. Students can plan and carry out simple research experiment and draw inferences. Students can handle computer office programs and professional programs used during classes at their field of study.
3	**Social competencies**	Students can cooperate in a team taking various roles. Students can define priorities important for solving appointed tasks. Students are willing to solve problems independently, are also willing to gain and master knowledge and competences.

Assumptions and objectives of the course:

The aim of the subject is to prepare students for specialty Railway Transportation and for preparation, presentation and defence of graduation engineering work.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Students can colligate elements of gained knowledge and use acquired competences for realization of appointed tasks in the scope of graduate work at specialty Railway Vehicles. - [K1A_W21]

Skills:

1. Students can find information in literature, in the internet, data bases and other sources in Polish and foreign language. - [K1A_U01]

2. Students can communicate in the professional area and other areas using various techniques, terms and definitions from specialty Railway Transportation. - [K1A_U02]

3. Student can prepare and present in Polish and foreign language a verbal and multimedia report about aspects of engineering task. - [K1A_U05]

4. Student can self-educate using modern didactic tools such as remote lectures, web pages and data bases, didactic programs, electronic books and journals. - [K1A_U06]

5. Students can practically use computer office programs for relation of their engineering work at specialty Railway Vehicles. - [K1A_U017]

Social competencies:

1. Students are aware of necessity and know ways of continuous training, are ware of necessity to gain new knowledge for professional development. - [K1A_K01]
2. Students can act in professional way in professional contacts, comply with professional ethics and respect various cultures, work in a team of specialists from various areas. - [K1A_K03]
3. Students can define tasks and priorities of their realization for themselves and the team. - [K1A_K05]
4. Students are aware of relaying gained knowledge to society, make effort to make the relayed information comprehensible. - [K1A_K08]

Assessment methods of study outcomes

Credit on the basis of attendance, current control of development of realizing engineering work and prepared and presented graduate work.

Course description

Definition and classification of dissertations, characteristics of graduate works, presentation and description of documents necessary for graduate work defence and the most important provisions of statute of full-time and part-time studies about graduate works defended at Poznań University of Technology, formulating research problem of the work, discussion on layout of engineering work (introduction, main text, the scope of the work, quotations and references, conclusions), presentation of modes of including table of contents, tables, figures, references to literature, revision of principles of creating editorial and typographic compilations in Polish, elements of copyright law, description of main elements of presentation of graduate work, presentation by students their graduate work. Revision of the most important aspects of knowledge gained at field of study Transport and specialty Railway Vehicles.

Basic bibliography:

1. Praca zbiorowa pod redakcją Z. Kłosa.: Rozprawy naukowe. Wyd. Politechniki Poznańskiej, Poznań 2011.

2. Opoka E.: Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych. Wydawnictwo Politechniki Śląskiej, Gliwice 1999.

Additional bibliography:

1. Praca pod redakcją Bańko M.: Polszczyzna na co dzień. Wyd. PWN, Warszawa 2006.

Result of average student's workload

Activity	Time (working hours)
1. Preparation to the lecture	100
2. Participation in the lecture	30
3. Consolidation of the lecture content	150
4. Consultation about lecture	35
5. Preparation to the classes	50
6. Consolidation of the classes content	2

Student's workload

Source of workload	hours	ECTS
Total workload	367	15
Contact hours	67	3
Practical activities	367	15