STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Diploma Seminar**		Code **1010614181010610467**
Field of study **Mechanical Engineering**	Profile of study (general academic, practical) **general academic**	Year /Semester **4 / 8**
Elective path/specialty **Motor Vehicles and Tractors**	Subject offered in: **Polish**	Course (compulsory, elective) **obligatory**
Cycle of study: **First-cycle studies**	Form of study (full-time,part-time) **part-time**	
No. of hours Lecture: **-** Classes: **-** Laboratory: **-** Project/seminars: **18**		No. of credits **15**
Status of the course in the study program (Basic, major, other) **other**	(university-wide, from another field) **university-wide**	
Education areas and fields of science and art **technical sciences** **Technical sciences**		ECTS distribution (number and %) **2 13%** **13 87%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Basic knowledge joined with the principles of realisation of projects and research works. Knows an importance of suitable information for the solving of the tasks.
2	**Skills**	Ability to selection, integration and interpretation of obtained information, the skills in conclusion making and own opinion formulation as well as to use informatics tools
3	**Social competencies**	Consciousness of importance and reality of non-technical aspects as well as formal and lawful effects of realisation of the promotion engineer?s work

Assumptions and objectives of the course:

An acquaintance with the requirements to the diploma engineer?s work. An acquirement of the skills of presentation and interpretation of bibliography study and own elaboration as well as the knowledge of the methodology and technique of work writing.

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

Knowledge:

1. Knows a formal and lawful foundations of realisation of the diploma engineer?s work and of an achievement of the aim pointed out - [K1A-W01]
2. Knows a fundamentals of creative ethics ? an avoidance of plagiarism, citation and an exposure of original achievements - [K1A-W05]
3. Has a knowledge of necessary editor?s foundations and a technique of the diploma writing using the both text and formulas editors - [K1A-W13]
4. Has a knowledge concerning the principles of the presentation and interpretation of the main results obtained during realisation of the diploma engineer?s work - [K1A_W22]
5. Knows needful functions and the procedure of the formal preparation to the diploma work defence and the course of the thesis defence. - [K1A_W24]

Skills:

1. Is able to realise some simple tests and to project an object or technology as well as to carry out an analysis of bibliography, necessary for an achievement of the purpose of the work - [K1A_U01-U03]
2. Is able to formulate the subject matter, genesis and tasks of the engineer?s work resulting from its range - [K1A_U05-U07]
3. Has the ability to elaborate and interpret the results of the own works and to present resulting conclusions - [K1A_U12]
4. Is able to present an essence elements of the engineer?s work in the form of a computer presentation - [K1A_U13]
5. Is able to invent a many-paged elaboration in agreement with the standing principles in the text editor - [K1A_U17]
6. Is able to write abstracts in Polish and foreign languages as well as correctly record the bibliography with citations. - [-]

Social competencies:

1. Has a consciousness of a permanent profit from the knowledge acquired during all studies in the purpose of the own tasks realisation in the range of obtained competitions - [K1A_K01]
2. Has an awareness of social meaning of the diploma engineer?s work as a form of the professional and social promotions - [K1A_K02]
3. Is able to evaluate the effects of non-compliance of some formal, lawful and ethical principles during realisation of the work - [K1A_K03]
4. Is able by one-self to develop his knowledge and to fix the directions of the further activity in the scope of continuation of the diploma work - [K1A_K04]
5. Is able to work in teams and knows principles of a group cooperation in the case of realisation of the collective work. - [-]

Assessment methods of study outcomes

Final credit with the subject contained some partial credits of the own presentation, degree of realisation of the own work, activity in discussions of the own and others presentations, form of presentation, quality of an essential information, presence in the seminar and a percentage of an advance of the diploma work, confirmed by the professor conferring a diploma.

Course description

Topic / problem: Description / Scope

Introduction and organization of the subject ? a short repetition of a diploma proseminar in the range of formal and lawful foundations of the diploma engineer?s work as well as an appointment of the agenda and all terms of individual presentations, in compliance with themes of the diploma works.

Foundations of the engineer?s work presentation ? presentation a theme of the work and its essence containing a topicality, genesis, aim, and the tasks for an achievement of the purposes; schedule of the work realisation, bibliography connected with the theme of the work (the first presentation should be carried out in Power Point editor and will be in a considerable degree applied in the future, during the diploma work defence).

The first personal presentation the theme of the diploma work ? an individual presentation in a limited time by the students, according to the accepted agenda, with an emphasis of an essence, genesis, aim, plan of realisation; general and particular discussions of the structure of each work, essential problems and the own original contribution; some commentaries concerning the examined presentations by the students and lecturer.

The second personal presentation the advance of the diploma work ? an individual report of the diploma works, prepared in text editor, containing graphical objects, some results of the own engineer?s solutions; common discussion and evaluation of presented texts, both the finished and current own investigations; signals of a possible problems connected with the work realisation.

The recapitulation of the diploma works realisation ? a sum up of the individual (the first and second) presentations connected with a realisation of the own diploma engineer?s works; a common discussion with an participation of the current and others presenters.

Preparation for the diploma work defence ? a reminder of a formal requirements connected with a preparation of the work, defence and the concurrent documents as well as the procedure of the diploma work defence; communication of the preliminary terms of the diploma engineer?s defences.

Basic bibliography:

1. Gambrelli G., Lucki Z.: Diploma work. AGH Publishing House, Krakow, 2011 (in Polish).
2. Wojciechowska R.: A methodical guide of diploma work writing. DiFir SA Publihing House, 2010 (in Polish).
3. Knop Zb.: A methodic of diploma work writing. Poznan, 2009 (in Polish).
4. Majchrzak J., Mendel T.: A methodic of writing of the thesis and diploma works. Publishing House of Poznan Economical University, Poznan, 2009 (in Polish).
5. Sojka Z., Popow G., Zawal W.: A guide of diploma work writing. Publishing House of Baltic Humanistic High School, Koszalin, 2006 (in Polish).

Additional bibliography:

1. Leszek W.: Selected methodic problems of an empirical investigations. ITE Publishing House, Radom, 2006 (in Polish).
2. Cempel C.: The modern problems of methodology and philosophy of investigations. ITE & PW Publishing House, Radom-Warsaw, 2005 (in Polish).
3. Kwasniewska K. How to write diploma works? (some practical advices). KPSW Publishing House, Bydgoszcz, 2005.

Result of average student's workload

Activity	Time (working hours)
1. Preparation for the activities	6
2. Attendance in the seminar activities	30
3. Preparation of the project	300
4. Consultations	5
5. Preparation for the attestation	30
6. Attendance in the attestation	1

Student's workload		
Source of workload	**hours**	**ECTS**
Total workload	372	15
Contact hours	36	1
Practical activities	372	15