STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Proseminar**		Code **1010615131010614114**
Field of study **Mechanical Engineering**	Profile of study (general academic, practical) **(brak)**	Year /Semester **2 / 3**
Elective path/specialty **Motor Vehicles and Tractors**	Subject offered in: **Polish**	Course (compulsory, elective) **obligatory**
Cycle of study: **Second-cycle studies**	Form of study (full-time,part-time) **part-time**	
No. of hours Lecture: **10** Classes: **-** Laboratory: **-** Project/seminars: **-**		No. of credits **1**
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 %) **1 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Basic knowledge connected with the principles of realisation of project and research works. Knows an importance of suitable information for the solving of the tasks
2	**Skills**	Ability to research, 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**	Awareness of importance of non-technical aspects a well as formal and lawful effects of realisation of master?s thesis and verification of professional knowledge

Assumptions and objectives of the course:

An acquaintance with the fundamental assumptions of science methodology and the preparation by one-self realisation of the master?s thesis ? widening and increasing of the knowledge obtained during the engineer?s proseminar.

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

Knowledge:

1. Knows the principles of generation of diploma works - [K2A_W01]
2. Knows a sources of scientific and technical information as well as principles the use of an information - [K2A_W07-W09]
3. Knows the principles of the hypothesises formulation as well as the purposes of investigations and the phenomenon?s and object?s modelling - [K2A_W19-W21]
4. Knows the required structure of the master?s thesis - [-]
5. Knows the conditions of participation in the final university examination and its course - [-]

Skills:

1. Is able to formulate the purpose and the range of the mater?s thesis, according to the specificity of the theme of the thesis - [K2A_U01-U03]
2. Is able to prepare the master?s thesis in the editorial aspect - [K2A_U08]
3. Has the ability to prepare the presentation of his master?s thesis taking into account its defence - [K2A_U10]

Social competencies:

1. Is able to prepare and present the report considering various forms of the conducted by one-self activity - [K2A_K01]
2. Has a consciousness of the meaning of the copy-rights during the use some effects of the third party - [K2A_K02, K2A_K06]

Assessment methods of study outcomes

Final attestation of the proseminar with the mark, on the ground of delivered - in both stages - the information concerning the genesis, updating, purpose and the plan of the master?s thesis as well as on the base of the written test.

Course description

Topic / problem: Description / Scope

A genesis of the themes of the master?s thesis. The role of the professor conferring a degree. The sources of the scientific and technical information and the ways of its use. The formulation of the hypothesis. The modelling and the models. Some elements of a scientific language: accordance with the regulations, scientific laws, theories and principles. The structure of the master?s thesis. The technique of the writing of various scientific works ? some editorial principles. Preparation for the final master?s examination.

Basic bibliography:

1. Leszek W.: The principles of experimentation. Publishing house of Poznan University of Technology, Poznan, 1977 (in Polish).

2. Leszek W.: The empirical investigations. ITE Publishing house, Radom, 1997 (in Polish).

3. Leszek W.: Non-empirical investigative procedures in natural and technical sciences. ITE Publishing house, Radom, 1999 (in Polish).

Additional 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, Koszain, 2006 (in Polish).

Result of average student's workload

Activity	Time (working hours)
1. Attendance in the lectures	15
2. Consolidation of the lectures? knowledge	1
3. Consultations	1
4. Preparation for the attestation	3
5. Attendance in the attestation	1

Student’s workload

Source of workload	hours	ECTS
Total workload	21	1
Contact hours	17	1
Practical activities	0	0