

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Diploma Seminar</b>		Code <b>1010612231010610467</b>
Field of study <b>Transport</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>2 / 3</b>
Elective path/specialty <b>Food Industry Machines and Refrigeration</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>Second-cycle studies</b>	Form of study (full-time, part-time) <b>full-time</b>	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: <b>1</b>		No. of credits <b>20</b>
Status of the course in the study program (Basic, major, other) <b>(brak)</b>		(university-wide, from another field) <b>(brak)</b>
Education areas and fields of science and art		ECTS distribution (number and %)
<b>Responsible for subject / lecturer:</b>  prof. dr hab. inż. Wiesław Zwierzycki email: wieslaw.zwierzycki@put.poznan.pl tel. 665-2236 MRiT ul. Piotrowo 3, 60-695 Poznań		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Student knowledge of specialization subjects and undergraduate seminar.
2	<b>Skills</b>	Student can use computer programs to edit technical texts including the formulas, tables and technical computing.
3	<b>Social competencies</b>	Student understands the need for correct citation for their thesis.
<b>Assumptions and objectives of the course:</b> Familiarize with the basic elements of the philosophy of science. Help to prepare a thesis on the appropriate technical and formal level.		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. Student knows how to implement the Master thesis depending on paper type. - [K2A_W15]		
<b>Skills:</b>		
1. Student can (in a critical way) use different sources of information during writing a thesis. - [K2A_U02 K2A_U06 K2A_U08]		
2. Student can, in writing, present the effects of his work. - [K2A_U02 K2A_U06 K2A_U08]		
<b>Social competencies:</b>		
1. Student understands the need for continuous learning. Is aware of the social impact of engineering activity. - [K2A_K01 K2A_K06]		
<b>Assessment methods of study outcomes</b>		
Assessment based on presentation evaluations.		
<b>Course description</b>		
The correct formulation of the main aim and plan of thesis. Basic elements of the philosophy of science (scientific problem and conditions for scientific problem formation, formulate scientific hypotheses, verification of hypotheses, methods of empirical research, the general principles of experimentation, models and modeling, development of the experimental results). Inference, assorted elements of scientific language - accuracy, scientific law, scientific theory, important principles of scientific writing. Stage of work reporting. Thesis presentation .		

<b>Basic bibliography:</b>		
1. Leszek W. Badania empiryczne. Wyd. ITE, Radom 1997.		
2. Such J., Szcześniak M., Filozofia nauki, Wyd. Naukowe UAM, Poznań 2000.		
3. Krajewski W., Prawa nauki. Przegląd zagadnień metodologicznych i filozoficznych, Wyd., Książka i Wiedza, W-wa 1998.		
<b>Additional bibliography:</b>		
<b>Result of average student's workload</b>		
<b>Activity</b>	<b>Time (working hours)</b>	
1. Participation in lecture	15	
2. Preparedness to lecture	60	
3. Preparedness project	420	
4. Preparedness to exem	3	
5. Participation in passing exam	2	
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	500	20
Contact hours	17	1
Practical activities	500	1