

(faculty stamp)

COURSE DESCRIPTION

Z1-PU7

WYDANIE N1

Strona 1 z 1

1. Course title: SPECIALITY SEMINAR		2. Course code		
3. Validity of course description: 2012/2013				
4. Level of studies: BA, BSc programme / MA, MSc programme				
5. Mode of studies: <u>intramural studies</u> / extramural studies				
6. Field of study: ENERGY ENGINEERING		(FACULTY SYMBOL)		
7. Profile of studies: general academic				
8. Programme: Sustainable energy engineering				
9. Semester: 7				
10. Faculty teaching the course: Institute of Thermal Technology				
11. Course instructor: prof. Andrzej J. Nowak				
12. Course classification: speciality subject				
13. Course status: <u>compulsory</u> / elective				
14. Language of instruction: English				
15. Pre-requisite qualifications: Knowledge, skills and competence possessed during BSc programme, particularly within general directional and speciality subjects				
16. Course objectives: To possess abilities required to carry out individual projects and then present obtain results.				
17. Description of learning outcomes:				
Nr	Learning outcomes description	Method of assessment	Teaching methods	Learning outcomes reference code
1.	Student is capable to review Polish and foreign technical literature to obtain required information.	Discussion within the group of students	Seminar	K_W24, K_U04
2.	Student is possessing a knowledge related to the project being realised and is able to utilise this knowledge solving the problem.	Discussion over problem being solved	Seminar	K_W24, K_U05
3.	Student is preparing and presenting in public results of his own project the subject of which is defined by instructor.	Acceptance of the presentation	Seminar	K_W24, K_U04
4.	Student defines aims of the project and based on the literature review formulates a scope of the project. Then student carries out the project performing required calculations, measurements etc.	Discussion over problem being solved	Seminar	K_W24, K_U26
5.	Student is preparing a final presentation of the project and defending it in the public discussion.	Acceptance of the presentation	Seminar	K_U04, K_U26
6.	Student demonstrates his general technical knowledge, presents reasonable and convincing arguments in all technical discussions.	Acceptance of the discussions	Seminar	K_W24, K_U05
18. Teaching modes and hours				
Lecture / 45 BA / MA Seminar / Class / Project / Laboratory				
19. Syllabus description:				
<u>Seminar</u> Ethical problems in the research and plagiarism. Principles of transferring of information, scientific discussion and defending of thesis and conclusions. Elaboration of individual seminar topic in the field proposed by instructor. Multimedia presentation and discussion within the group of students. Principles of preparing a final report, its main parts. Preparation of the final presentation with discussion.				
20. Examination: <u>No</u>				

21. Primary sources: instructor's personal suggestions and student personal selection		
22. Secondary sources: instructor's personal suggestions and student personal selection		
23. Total workload required to achieve learning outcomes		
Lp.	Teaching mode :	Contact hours / Student workload hours
1	Lecture	/
2	Classes	/
3	Laboratory	/
4	Project	/
5	BA/ MA Seminar	45/105
6	Other	/
	Total number of hours	45/105
24. Total hours: 150		
25. Number of ECTS credits: 5		
26. Number of ECTS credits allocated for contact hours: 5		
27. Number of ECTS credits allocated for in-practice hours (laboratory classes, projects):		
26. Comments:		

Approved:

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(date, Instructor's signature)

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(date , the Director of the Faculty Unit signature)