

FACULTY <b>Computer Science and Management</b> / DEPARTMENT.....					
<b>SUBJECT CARD</b>					
<b>Name in Polish</b> Seminarium dyplomowe					
<b>Name in English</b> Diploma seminar					
<b>Main field of study (if applicable):</b> Informatics					
<b>Specialization (if applicable):</b> .....					
<b>Level and form of studies:</b> 1st/ <del>2nd</del> * level, full-time / <del>part-time</del> *					
<b>Kind of subject:</b> obligatory / <del>optional</del> / <del>university-wide</del> *					
<b>Subject code</b> INZ0285S					
<b>Group of courses</b> YES- / NO*					
	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)					30
Number of hours of total student workload (CNPS)					60
Form of crediting	Examination / crediting with grade*				
For group of courses mark (X) final course					
Number of ECTS points					2
including number of ECTS points for practical (P) classes					
including number of ECTS points for direct teacher-student contact (BK) classes					1,2

\*delete as applicable

**PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES**

1. Knowledge, skills and competences acquired at Informatics field of study until 7th semester

**SUBJECT OBJECTIVES**

C1 Preparing students to write an engineering thesis according to the internal requirements in Informatics field at Faculty of Computer Science and Management, Wrocław University of Technology,

C2 Providing students with basic skills related to preparation and presentation of scientific texts, beginning from the choice of topic, selection of tasks to be performed, use of literature and also how to write thesis and how obtained results should be interpreted.

### SUBJECT EDUCATIONAL EFFECTS

relating to knowledge:

...

relating to skills:

PEK\_U01 He is able to acquire information from literature, databases and other sources, for the purpose of preparation a presentation on a selected topic, is able to integrate the information obtained, interpret them and also draw conclusions and formulate and justify opinions.

PEK\_U02 He can work and communicate using various information and communication techniques in order to present the results of work and during the seminar presentations.

PEK\_U03 He is able to prepare and give a presentation prepared in Polish and English, related to the results of his engineering task

relating to social competences:

PEK\_K01 He understands the need and knows the possibilities of lifelong learning and improvement his professional and social competences

PEK\_K02 He is aware of importance and understanding of non-technical aspects and impacts of engineering activity related to information technologies.

### PROGRAMME CONTENT

<b>Form of classes - lecture</b>		<b>Number of hours</b>
Lec 1		
Lec 2		
	Total hours	
<b>Form of classes - class</b>		<b>Number of hours</b>
Cl 1		
Cl 2		
	Total hours	
<b>Form of classes - laboratory</b>		<b>Number of hours</b>
Lab 1		
Lab 2		
	Total hours	
<b>Form of classes - project</b>		<b>Number of hours</b>
Proj 1		
Proj 2		
	Total hours	
<b>Form of classes - seminar</b>		<b>Number of hours</b>
Sem 1	Familiarization with the principles of engineering thesis realization at Informatics field. Rules related to student presentations. Determining the schedule of student presentations.	2
Sem 2	Review of basic skills related to preparation and presentation of scientific and technical texts by students, beginning from the choice of topic, selection of tasks to be performed, use of literature and also how to write thesis and how obtained results should be interpret.	2

Sem 3 – Sem15	During semester each student has 2 presentations. The first presentation is related to the general view of the engineering thesis topic, its placement in the literature and in the Informatics field. The student should present the primary aim of thesis, the state of art related to thesis topic, the concept of solution, the initial structure of thesis and timetable for further work. The purpose of the second presentation is preparation to defense and demonstrate presentation skills in English. The second presentation consists of two parts, namely, discussion of the results of the work in English and a short presentation in Polish devoted to the results of the thesis.	26
	Total hours	30

### TEACHING TOOLS USED

N1. Multimedia presentations  
N2. Examples of scientific papers and reports from the field of computer science.  
N3. E-Learning System used to publish teaching materials and announcements, also used for collection and evaluation of student work.

### EVALUATION OF SUBJECT EDUCATIONAL EFFECTS ACHIEVEMENT

Evaluation (F – forming (during semester), P – concluding (at semester end))	Educational effect number	Way of evaluating educational effect achievement
P	PEK_U01, PEK_U02, PEK_U03, PEK_K01, PEK_K02,	Evaluation of the presentation at the seminar and prepared documentation from the presentation. The evaluation shall be subject to the fulfillment of the requirements for the presentation, including its substantive scope, structure and organization of presentation, techniques of conversation, a form of presentation, compactness of presentation and conclusions reached. Participation in the discussions after presentation is also evaluated. In addition, the seminar leader is able to control the cooperation between supervisors and graduate students.

### PRIMARY AND SECONDARY LITERATURE

#### **PRIMARY LITERATURE:**

- [1] Literature related to the scope of realized thesis selected by student and recommended by the promoter.
- [2] Requirements for engineering thesis at the Faculty of Computer Science and Management, Wrocław University of Technology, [www.wiz.pwr.wroc.pl](http://www.wiz.pwr.wroc.pl)

#### **SECONDARY LITERATURE:**

#### **SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)**

Dr inż. Jan Kwiatkowski, jan.kwiatkowski@pwr.wroc.pl

MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR SUBJECT  
**Diploma seminar**  
AND EDUCATIONAL EFFECTS FOR MAIN FIELD OF STUDY **Informatics**  
AND SPECIALIZATION .....

Subject educational effect	Correlation between subject educational effect and educational effects defined for main field of study and specialization (if applicable)**	Subject objectives***	Programme content***	Teaching tool number***
<b>PEK_U01 (skills)</b>	K1INF_U11	C1, C2	Sem1-15	N1, N2, N3
<b>PEK_U02</b>	K1INF_U12	C1, C2	Sem1-15	N1, N2, N3
<b>PEK_U03</b>	K1INF_U13	C1, C2	Sem1-15	N1, N2, N3
<b>PEK_K01 (competences)</b>	K1INF_K01	C1, C2	Sem1-15	N1, N2, N3
<b>PEK_K02</b>	K1INF_K02	C1, C2	Sem1-15	N1, N2, N3

\*\* - enter symbols for main-field-of-study/specialization educational effects

\*\*\* - from table above