STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Information Technology**	Code **1011101411011161956**

Field of study **Logistics - Full-time studies - First-cycle studies**	Profile of study (general academic, practical) **(brak)**	Year /Semester **1 / 1**

Elective path/specialty **-**	Subject offered in: **Polish**	Course (compulsory, elective) **obligatory**

Cycle of study: **First-cycle studies**	Form of study (full-time,part-time) **full-time**

No. of hours Lecture: **15** Classes: **-** Laboratory: **15** Project/seminars: **-**	No. of credits **2**

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 %) **2 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Basic knowledge of secondary school
2	**Skills**	Basic computer literacy
3	**Social competencies**	Able to work in computer laboratory group

Assumptions and objectives of the course:

-Students should achieve fluency in spreadsheet calculations, especially in engineering and planning. They should be able to prepare technical reports and documentation in the form of Web pages. They should understand the difference between logical structure of a document and its graphical view and formatting.

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

Knowledge:

1. Students are able to describe means for logical structure definition and print and screen formatting in office editors and HTML documents. - [(T1A_W02) K1A_W09]

2. Students understand the terminology of Web page construction and operation. - [(T1A_W02) K1A_W10]

3. Students can describe the range of optimization problems that can be solved in spreadsheet applications. - [(InzA_W05) KInzA_W05]

Skills:

1. Students are able to prepare Web pages appropriate for technical and scientific contents. - [T1A_U05 K1A_U05]

2. Students are able to solve a variety of spreadsheet tractable problems. - [(T1A_W02) K1A_W10]

3. Students are able to use problem solving applications for optimization problems. - [(T1A_U09) K1A_U09 i (T1A_U14) K1A_U14]

Social competencies:

1. Is aware of computer data security and the interests and rights of their users. - [(T1A_KO2) K1A_K02]

Assessment methods of study outcomes

-Practical tests in laboratories (70%)

Home assignment in information architecture design (30%)

Course description

-Lectures:

The need for Desktop Publishing competency. Standards for document definition and formatting: from printer command languages to HTML/CSS and XML/XSLT. The emerging concept of information architecture. Semantic Web and Web Ontology.

The network literacy: the proper use of common terms. Defining document structure in HTML and CSS.

Laboratories:

A series of computational tasks in spreadsheets with the emphasis on the conditional and data base functions. Solver and an example of linear programming problem. Preparation of simple HTML documents.

Basic bibliography:

1. Microsoft documentation for current versions of Excel

2. Internet resources for Web developers

Additional bibliography:

1. John WalkenbachExcel 2010 Formulas (Mr. Spreadsheet's Bookshelf) Willey 2011

2. John Walkenbach, John Walkenbach's Favorite Excel 2010 Tips and Tricks Willey 2011

Result of average student's workload	
Activity	**Time (working hours)**
1. Participation in lectures	15
2. Laboratory classes	15
3. Preparation for the final credits	15
4. Home assignment	5

Student's workload		
Source of workload	**hours**	**ECTS**
Total workload	50	2
Contact hours	30	1
Practical activities	15	1