STUDY MODULE DESCRIPTION FORM

Name of the module/subject	Code
Information Technology	**1011104311011161956**

Field of study	Profile of study (general academic, practical)	Year /Semester
Logistics - Part-time studies - First-cycle	**(brak)**	**1 / 1**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
-	**Polish**	**obligatory**

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

No. of hours	No. of credits
Lecture: **-** Classes: **-** Laboratory: **10** Project/seminars: **-**	**2**

Status of the course in the study program (Basic, major, other)	(university-wide, from another field)
(brak)	**(brak)**

Education areas and fields of science and art	ECTS distribution (number and %)

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

Formative assessment:

a) in the field of laboratory classes: implementation of exercises.

Summary:

a) in the field of laboratory classes: the average of grades from partial tests.

Course description

A series of computational tasks in a spreadsheet with particular emphasis on conditional functions and databases. Transport task as an example of an optimization task using Solver. Preparation of an HTML page with a technical report.

Didactic methods:

-Work with a book.

-Demonstration method.

-Laboratory method.

Basic bibliography:

1. Jurga A., Wybrane aspekty niwelacji luki informacyjnej oraz jej wpływ na użyteczność informacji. Case study. [w]: Woźniak M. (red.), Społeczeństwo informacyjne ? technologie, informacja i wiedza w gospodarce. Zeszyty Naukowe nr 35. Nierówności społeczne a wzrost gospodarczy. Wyd. Uniwersytetu Rzeszowskiego, Rzeszów, 2013, s. 226-236.

2. Wróblewski P., Microsoft Office 2007 PL w biurze i nie tylko, Helion, Gliwice, 2007.

3. Krysiak.K., Sieci komputerowe : kompendium : kompletne omówienie zagadnień sieci komputerowych: typologie i nośniki, sieci bezprzewodowe, usługi sieciowe i protokoły, administrowanie siecią, bezpieczeństwo w sieciach, Helion, Gliwice, 2005.

4. Walkenbach J. Excel 2010 PL. Najlepsze sztuczki i chwyty. Vademecum Walkenbacha, Wyd. Helion , 2012

5. Tomaszewska A., Tworzenie stron WWW. Ilustrowany przewodnik. Wydanie II, Wyd. Helion 2011

Additional bibliography:

1. . Karpiński M., Kurytnik I. P., Sieci komputerowe - bezpieczeństwo. Cz. 1, Metody i systemy kryptograficzne, Wyd. Akademii Techniczno-Humanistycznej, Bielsko-Biała, 2006.

2. Krzyżaniak S., Podstawy, zarządzania zapasami w przykładach, Instytut Logistyki i Magazynowania, Poznań, 2008.

Result of average student's workload

Activity	Time (working hours)
1. Laboratory classes	10
2. Preparation for the classes	20
3. Consultation	10
4. Literature studying	10

Student's workload

Source of workload	hours	ECTS
Total workload	50	2
Contact hours	20	1
Practical activities	10	1