

Information Technology - course description

General information	
Course name	Information Technology
Course ID	11.3-WK-MATP-TI-L-S14_pNadGenLX3QN
Faculty	Faculty of Mathematics, Computer Science and Econometrics
Field of study	Mathematics
Education profile	academic
Level of studies	First-cycle studies leading to Bachelor's degree
Beginning semester	winter term 2020/2021

Course information	
Semester	1
ECTS credits to win	2
Course type	obligatory
Teaching language	polish
Author of syllabus	<ul style="list-style-type: none">mgr inż. Andrzej Majczak

Classes forms					
The class form	Hours per semester (full-time)	Hours per week (full-time)	Hours per semester (part-time)	Hours per week (part-time)	Form of assignment
Laboratory	30	2	-	-	Credit with grade

Aim of the course

Repetition and complete information of the basis of computer science: computer construction, operating systems, word processing, spreadsheets, presentation creating, basis of web pages design and Internet services.

Prerequisites

Basis of computer skill knowledge at the secondary school scope.

Scope

1. Construction and the basics of computer.
2. Operating systems.
3. Word processing.
4. Spreadsheets.
5. Presentation creating.
6. Creating web pages and Internet services.
7. Basis of the JavaScript language.
8. Colloquium.

Teaching methods

Individual work at the computer. Processed material according to instructions that every student gets at the beginning of class. Discussions leading to deepen knowledge and understanding of the processed material.

Learning outcomes and methods of theirs verification

Outcome description	Outcome symbols	Methods of verification	The class form
Student knows the basics of computer construction.	<ul style="list-style-type: none">• K_W08	<ul style="list-style-type: none">• a final test• a written assignment• activity during the classes	<ul style="list-style-type: none">• Laboratory
Student knows and understands the concept of an operating system, and can name operating system examples, know their types and application.	<ul style="list-style-type: none">• K_W08	<ul style="list-style-type: none">• a final test• a written assignment• activity during the classes	<ul style="list-style-type: none">• Laboratory
Student knows at least two spreadsheets and their basic functionality.	<ul style="list-style-type: none">• K_U28	<ul style="list-style-type: none">• a final test• a written assignment• activity during the classes	<ul style="list-style-type: none">• Laboratory
Student is able to develop their own presentation using programs to create presentations.	<ul style="list-style-type: none">• K_W08• K_U28	<ul style="list-style-type: none">• activity during the classes• an oral response	<ul style="list-style-type: none">• Laboratory
Student is able to create a simple web page, which contains interaction with user.	<ul style="list-style-type: none">• K_K05	<ul style="list-style-type: none">• activity during the classes• an oral response	<ul style="list-style-type: none">• Laboratory

Outcome description	Outcome symbols	Methods of verification	The class form
Student is able using text editors correctly format the text containing among others mathematical formulas, tables, charts.	<ul style="list-style-type: none"> K_U26 	<ul style="list-style-type: none"> a final test a written assignment activity during the classes 	<ul style="list-style-type: none"> Laboratory

Assignment conditions

1. Checking the degree of student preparation and their activities during the classes.
2. Performing two tasks to assess.
3. Written colloquium at the end of the course.

Recommended reading

1. Aksoy P., Denardis L., Information technology in theory, Cengage Learning, 1 edition, 2007.
2. Czarny P., Komputer PC w biurze i nie tylko, Helion, 2008.
3. Danowski B., Tworzenie stron WWW w praktyce, Wydanie II, Helion, 2007.
4. Sokół M., Internet. Kurs, Wydanie III, Helion, 2011.
5. Sokół R., ABC Linux, Wydanie II, Helion, 2010.
6. Wrotek W., Informatyka Europejczyka. Technologia informacyjna, Helion, 2006.

Further reading

1. Diller A., LaTeX. Wiersz po wierszu, Helion, 2001.
2. Gajda W., HTML, XHTML i CSS. Praktyczne projekty, Wydanie II, Helion, 2011.
3. Glass G., Ablem K., Linux dla programistów i użytkowników, Helion, 2007.
4. Howil W., Po prostu OpenOffice.ux.pl 3.x, Helion, 2010.
5. Lampart L., LaTeX. System opracowywania dokumentów, WNT, 2004.
6. Mendrala D., Szeliga M., Swiatelski M., ABC systemu Windows XP PL, Wydanie II, Helion, 2006.
7. Nisan N., Schocken S., Elementy systemów komputerowych. Budowa nowoczesnego komputera od podstaw, WNT, 2008.
8. Rychlicki-Kicior K., Podstawy obsługi komputera. Pierwsza pomoc, Wydanie II, Helion, 2011.
9. Silberschatz A., Galein P.B., Gagne G., Podstawy systemów operacyjnych, WNT, 2006.
10. Sokół M., Tworzenie stron WWW. Ćwiczenia praktyczne, Wydanie III, Helion, 2011.
11. Sokół M., OpenOffice.ux.pl 3.1. Ćwiczenia praktyczne, Helion, 2010.
12. Sokół M., Sokół R., XHTML, CSS i JavaScript. Pierwsza pomoc, Helion, 2009.

Notes

Modified by dr Alina Szelecka (last modification: 18-09-2020 13:45)

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