POZNAN UNIVERSITY OF TECHNOLOGY

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)
pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

COURSE DESCRIPTION CARD - SYLLABUS

Course name
Introduction to computer science

Course

Field of study
Construction and exploitation of means of transport

Year/Semester
1 / 2

Area of study (specialization)

Profile of study
general academic

Level of study
First-cycle studies

Course offered in
Polish

Form of study
part-time

Requirements
compulsory

Number of hours

Lecture	Laboratory classes	Other (e.g. online)
9		
Tutorials	Projects/seminars	

Number of credit points

Lecturers

Responsible for the course/lecturer:

dr inż. Jędrzej Mosiężny

Instytut Energetyki Cieplnej

jedrzej.mosiezny@put.poznan.pl

Responsible for the course/lecturer:

Prerequisites
Student knows the definition of computational machine

Course objective
The course objective is to deliver the information about basic computational tools used during the studies

Course-related learning outcomes
Knowledge
Student knows the computer tools used during th studies. Student knows how to legally obtain the tools for free. Student knows free and legal alternatives to paid and proprietary tools

Skills
Student knows how to use the tools to solve rudimentary engineering problems. Srudent knows how to use user manuals for given software in order to solve basic problems

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Social competences

Student knows how to selfsufficiently obtain knowledge on how to use given software

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Assesment test

Programme content

Operating systems, Windows Command Line, Linux Command Line, CAD tools, CAE tools, CFD tools. Free alternatives for Office, Free IDE's for solving mathematical and engineering problems.

Teaching methods

Lecture with multimedia presentation

Bibliography

Basic
None

Additional
User manuals of software described on lecture

Breakdown of average student's workload

	Hours	ECTS
Total workload	30	1,0
Classes requiring direct contact with the teacher	15	0,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1]	15	0,5

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[1] delete or add other activities as appropriate