

COURSE SYLLABUS	
Course code	1080-BU200-ISA-0162
Course name	Informatics I - Basics of Programming Visual Basic
Course version	2026L
Level of education	first cycle programme
Form and mode of study	full-time study
Study profile	general academic profile
Field of study	Civil Engineering
Specialisation	-
Organizational unit	The Faculty of Civil Engineering
Implementing unit	The Faculty of Civil Engineering
Course unit	n/a
Course groups	-
Course status	Selected
Language of the course	English
Study stage code	BU000-S2-ISA-1080
Number of ECTS credits	2

Part I

01. Learning outcomes and the method of conducting classes

Learning outcomes	see table "Learning outcomes"
Forms of classes and the number of hours in the semester	
classes in a computer lab	25,00 h

02. ECTS balance

Number of ECTS credits	2	
Course workload	Hours	ECTS
Total number of hours and ECTS credits for the course:		
Hours and ECTS credits for courses involving direct participation of academic teachers	28	1,12
Hours and ECTS credits involving student's independent work	22	0,88
Total	50	2,00
Number of hours involving direct participation of academic teachers:		
Hours connected with class participation	25	
Other synchronous hours	3	
Total	28	
Number of hours involving student's independent work:		
Hours for student's independent work	22	

03. Course content

classes in a computer lab	Fundamentals of structured programming. Learning the graphical user interface of the programming environment - editing, compiling and running programs
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Table: Learning outcomes

Knowledge	
Outcomes code	W1
Description	The graduate has basic knowledge of writing simple structured programs in Visual Basic using their own and ready-made functions.
Related field-of-study learning outcomes	K1_W33
Skills	
Outcomes code	U1

Part I	
Description	The graduate is able to independently write simple structured programs in Visual Basic using own and ready-made functions.
Related field-of-study learning outcomes	K1_U26
Social competence	
Outcomes code	K1
Description	The graduate is aware of the need to develop their skills in implementing various types of algorithms in the programming languages they choose.
Related field-of-study learning outcomes	K1_K02
Part II	
04. Year and semester of studies	
Year	2026L
Semester	2
05. Course leader and course teachers	
Course leader	Sławomir Czarnecki
classes in a computer lab	Sławomir Czarnecki
06. Course objective	
Course objective	The goal of this course is to develop the ability to independently write simple structured programs in Visual Basic, using pre-built functions from available libraries and using functions implemented by yourself.
07. Teaching methods and techniques	
classes in a computer lab	exercise method, computer classes, individual work, programming techniques
08. Methods of verifying learning outcomes	
Knowledge	
Outcomes code	W1
Description	The graduate has basic knowledge of writing simple structured programs in Visual Basic using their own and ready-made functions.
Verification methods	classes in a computer lab: written test:written test
Skills	
Outcomes code	U1
Description	The graduate is able to independently write simple structured programs in Visual Basic using own and ready-made functions.
Verification methods	classes in a computer lab: written test:written test
Social competence	
Outcomes code	K1
Description	The graduate is aware of the need to develop their skills in implementing various types of algorithms in the programming languages they choose.
Verification methods	classes in a computer lab: written test:written test
09. Required and recommended reading list	
Required reading	Original exercise materials prepared by the computer science instructor in *.pdf format, and Basic code files available to students on the faculty network.
Recommended reading	Original exercise materials prepared by the computer science instructor in *.pdf format, and Basic code files available to students on the faculty network.
10. Other information	
Other information	In accordance with the Course Regulations.

