



Меѓународен Универзитет Визион - International Vision University  
 Universiteti Ndërkombëtar Vizion - Uluslararası Vizyon Üniversitesi

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## SYLLABUS

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
PROGRAMMING	4002	1	240	8

Prerequisite(s)	None
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Course Language	Turkish
Course Type	Required
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra Curricular Office Hours and Location	<b>Meeting:</b> <b>Consultancy:</b>

Course Objectives	The aim of this course is to make an introduction to computer programming topics, reveals general concepts of programming and the concept of the algorithm. Referring to the purpose of the course is how to create algorithms and the structural programming and to make application with C ++ editor.
Course Learning Outcomes	<ul style="list-style-type: none"> <li>• Will be able to learn the general concepts of programming,</li> <li>• Will be able to grasp structural issues the algorithms concept and how to create algorithms and programming,</li> <li>• Will be able to learn the structural features and powerful opportunities of the C ++ programming language,</li> <li>• Will be able to learn the software development projects.</li> </ul>
Course Contents	History and development of programming languages, Similarities and differences between the C and CPP, cpp program editor, Algorithms, CPP program editor, CPP program structure and content, Variable - types and use, Operators, Control commands, input-output strimers, Numeric variable types and memory management, Control and selection structures, structures of repetition, Functions, VOID function, Functions, VOID function, ENUM data types, Sequences and stack , LIFO and FIFO, Pointers.

## WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

<b>Week</b>	<b>Subjects</b>	<b>Related Preparation</b>
1	History and development of programming languages	Related Chapters of Course Sources
2	Similarities and differences between the C and CPP, cpp program editor	Related Chapters of Course Sources
3	Algorithms	Related Chapters of Course Sources
4	CPP program editor, CPP program structure and content	Related Chapters of Course Sources
5	Variable - types and use	Related Chapters of Course Sources
6	Operators	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Control commands , input-output strimers	Related Chapters of Course Sources
9	Numeric variable types and memory management	Related Chapters of Course Sources
10	Control and selection structures, structures of repetition	Related Chapters of Course Sources
11	Functions, VOID function	Related Chapters of Course Sources
12	ENUM data types	Related Chapters of Course Sources
13	Sequences and stack , LIFO and FIFO	Related Chapters of Course Sources
14	Pointers	Related Chapters of Course Sources
15	Final Exam	Related Chapters of Course Sources

## ECTS / WORKLOAD TABLE

Presentation / Seminar			
Hours for off-the-classroom study (Pre-study, practice)	14	3	42
Midterm Exam	1	12	12
Final examination	1	14	14
<b>Total Work Load</b>			
<b>ECTS</b>		<b>8</b>	

## GENERAL PRINCIPLE RELATED WITH COURSE

Dear students,

In order to be included, learn and achieve full success that you deserve in the courses you need to come well prepared by reading the basic and secondary textbooks. We are expecting from you carefully to obey to the course hours, not to interrupt the lessons unless is very indispensable, to be an active participant on the courses, easily to communicate with the other professor and classmates, and to be interactive by participating to the class discussions. In case of unethical behavior both in courses or on exams, will be acting in framework of the relevant regulations. The attendance of the students will be checked in the beginning, in the middle or at the end of the lessons. Throughout the semester the students who attend to all lectures will be given 15 activity-attendance points in addition to their exam grades.

## SOURCES

### COMPULSORY LITERATURE

No	Name of the book	Author's Name, Publishing House, Publication Year
1	Mikrobilgisayar ve bilgisayar programlama	Ferruh Yıldız, Atlas Kitabevi, Konya, 1996
2	A Beginners C++	Neil Grey, University of Wollongong, Sidney, 2002
3		

### ADDITIONAL LITERATURE

No	Name of the book	Author's Name, Publishing House, Publication Year
1	Programming and problem solving with CPP	N.D.Johnes, Sudbury, 1996
2		
3		

## EVALUATION SYSTEM

<b>Underlying the Assessment Studies</b>	<b>NUMBER</b>	<b>PERCENTAGE OF GRADE</b>
Attendance/Participation	15	%10
Project / Event	1	%20
Mid-Term Exam	1	%35
Final Exam	1	%35
<b>TOTAL</b>	<b>17</b>	<b>%100</b>

### **ETHICAL CODE OF THE UNIVERSITY**

In case of the students are cheating or attempt to cheat on exams, and in the case of not to reference the sources used in seminar studies, assignments, projects and presentations, in accordance to the legislations of the Ministry of Education and Science of Republic of Macedonia and International Vision University, will be applied the relevant disciplinary rules. International Vision University students are expected never to attempt to this kind of behavior.