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

Adres: Ul. Major C. Filiposki No.1, Gostivar – Kuzey Makedonya
tel: +389 42 222 325, www.vizyon.edu.mk, info@vizyon.edu.mk

SYLLABUS

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
STRUCTURED PROGRAMMING	**CEN-1001**	**1**	**210**	**7**

Prerequisite(s)	None

Course Language	Macedonian, Turkish, English
Course Type	Required
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra-Curricular Office Hours and Location	

Course Objectives	The aim of this course is to introduce the subject of computer programming, to reveal the general concepts related to programming, to talk about the concept of algorithm, how to create algorithms and structured programming. To be able to apply with the C++ editor.
Course Learning Outcomes	To understand the concept of algorithm, how to create algorithms and structured programming, To learn the basic features of the C++ programming language, which is a language that every programmer should know with its structural features and powerful possibilities, in relation to the concept of algorithm. Software project development.
Course Contents	Programming languages, history and development, similarities and differences between c and cpp, cpp program editor, cpp program structure and content, variables-type and usage, operators, input-output commands, control commands, input-output strings, numeric variable types, Information about control and selection structures, repetition structures, returning value functions, VOID function, ENUM data type definition, arrays will be given.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction to the subject, programming languages	Related Chapters of Course Sources
2	Method of writing numbers in a computer	Related Chapters of Course Sources
3	Concept of structural programming, variables, first program	Related Chapters of Course Sources
4	Operations / arithmetic / relational, logical	Related Chapters of Course Sources
5	Control structures, if - else statements	Related Chapters of Course Sources
6	Loops	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Algorithms (algorithmic thinking and program development)	Related Chapters of Course Sources
9	Arrays	Related Chapters of Course Sources
10	Functions	Related Chapters of Course Sources
11	Character sequences	Related Chapters of Course Sources
12	Functions 2 / Recursion	Related Chapters of Course Sources
13	File I/O	Related Chapters of Course Sources
14	Integrated example project	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
Total Work Load			
ECTS	**7**		

GENERAL PRINCIPLE RELATED WITH COURSE

Dear students,

You need to be included in the flow, please follow the course of learning and using that to achieve our success you deserve, you need to practice every day on topics that are covered by the course. It takes practice reading basic and auxiliary literature that is strictly recommended. You should visit classes course I need to make an effort to visit all the professors' lectures. Your activity on the session will be assessed by your professors and the Battle active participant in the discussions that will take place during the time. Students visiting lectures for all at the end if an additional 15 points.

SOURCES

COMPULSORY LITERATURE		
No	**Name of the book**	**Author's Name, Publishing house, Publication Year**
1	C ++ Programlama Dilinin Esasları Ve Uygulamaları	Mustafa Akkurt , Birsen Yayınevi 2004.
2	How to program, C, 6th edition P	Deitel, Deitel, Prentice Hall , 2010
3		

ADDITIONAL LITERATURE		
No	**Name of the book**	**Author's Name, Publishing house, Publication Year**
1	Practical C, 3rd edition	Steve Oullain , O'Reilley 1997
2	C in a Nutshell	Peter Prinz, Tony Crawford , O'Reilley 2005
3	The C Programming Language, 2nd edition	Kernighan B., Ritchie D. , Prentice Hall 1988

EVALUATION SYSTEM

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

ETHICAL CODE OF THE UNIVERSITY

In case students are cheating on exams or preparation the same, it is not making reference to the source to be used in studies, as for example in assignments, projects and presentation (plagiarism), in accordance with legislations by Ministry of Education and Science of the Republic of Macedonia and İnternational Vision University, apply relevant disciplinary rules. İnternational Vision University students are expected never attempts in this kind of behavior.