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
OBJECT ORIENTED PROGRAMMING	**CEN-1006**	**2**	**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 Goals	The main aim of the course is to introduce students to the fundamentals of Object Oriented Programming.
Program Outcomes	As a result, students are expected to be familiar with coding in C++ and Java.
Course Contents	It is aimed that students learn the Object Oriented paradigm. In addition, it is aimed to teach Stack, Queue, Link List, Tree structures.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	- Structured Programming Fundamentals, Deficiencies, Object-Oriented Programming Principles	Related Chapters of Course Sources
2	- Object and Class Analysis, Constructor Methods and Types, - Encapsulation, Functions, - Creation and Use of Objects - C++ Lab Work and Homework 1	Related Chapters of Course Sources
3	-1. The solution of the homework, the explanation of the problems encountered - Operator and Function Overloading - Object Indicators - C++ Reference definition and usage - C++ Lab Study	Related Chapters of Course Sources
4	- Fixed qualifier - Use and Importance of This - Object Lists - C++ Lab Work and Homework 2	Related Chapters of Course Sources
5	- Solution of the 2nd Homework, explanation of the problems encountered - Recursion - Stack Data Type	Related Chapters of Course Sources
6	- General Review before the midterm exam - Information about the Midterm Exam - Laboratory Study	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	- Queue Data types - Linked Lists - Implementation	Related Chapters of Course Sources
9	- Inheritance - Polymorphism - Laboratory Work and Homework 3	Related Chapters of Course Sources
10	- Solution of the 3rd Homework, explanation of the problems encountered - Virtual Functions - Derivative Classes	Related Chapters of Course Sources
11	- An overview - Giving the Project to the Students - Laboratory Study	Related Chapters of Course Sources
12	- Java Programming Language fundamentals - Class and Object Definitions	Related Chapters of Course Sources
13	- Java Lab Study - Assignment of the 4th Homework	Related Chapters of Course Sources
14	- General Review before the Final Exam - Solution of the 4th Homework, explanation of the problems encountered - Ongoing Studies on the Project - Laboratory Study	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++ ile Nesne Yönelimli Programlama	Mehmet Cantürk, Sürat Yayıncılık,2013
2		
3	C++ How To Program	H.M.Deitel, P.J.Deitel

ADDITIONAL LITERATURE		
No	**Name of the book**	**Author's Name, Publishing house, Publication Year**
1	Veri yapıları ve algoritmalar	Dr.Rifat ÇÖLKESEN, Papatya yayıncılık, 2002.
2		
3	Standart C Programlama Dili	F. Kadifeli, M.U.Çağlayan, A.C. Say,

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.