



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	4007	2	180	6

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	

Course Objectives	The main objective of the course, students will be acquainted with the principles of Object-Oriented Programming.
Course Learning Outcomes	As a result, the students are expected acquainted with C ++ and Java coding.
Course Contents	The aim of the lecture is to learn students with Object Oriented paradigm. In addition to this, it is aimed to teach the Stack, Queue, Link Lists, Trees structure.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Structured Programming principles, Deficiencies, Object-Oriented Programming Principles	Related Chapters of Course Sources
2	Object and Class Analysis, Constructive Methods and Types Encapsulation, Functions, Creating and Using Objects Laboratory of C ++ and Homework/Project 1	Related Chapters of Course Sources
3	Solution of 1 Homework/Project, explain encountered problems Operator and Function Overload Object Indicators The definition and use of C ++ Reference C ++ Laboratory exercise	Related Chapters of Course Sources
4	Fixed qualifier Use and Importance of 'This' Object Lists C ++ Laboratory and Homework/Project 1	Related Chapters of Course Sources
5	Solution of 2 Homework/Project, explain encountered problems Recursion Stack Data Type	Related Chapters of Course Sources
6	Repeat before Mid-term Exam information about Mid-term Exam Laboratory exercise	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Queue data types Link Lists Implementation	Related Chapters of Course Sources
9	Inheritance Polymorphism C ++ Laboratory and Homework/Project 3	Related Chapters of Course Sources
10	Solution of 3 Homework/Project, explain encountered problems Virtual Functions Derivatives Classes	Related Chapters of Course Sources
11	An overview Giving Project to students Laboratory exercise	Related Chapters of Course Sources
12	Fundamentals of the Java Programming Language Definitions of Class and Object	Related Chapters of Course Sources
13	Java Laboratory Giving the Homework/Project 4 to students	Related Chapters of Course Sources

14	Repeat before Final Exam Solution of 4 Homework/Project, explain encountered problems Ongoing Studies in Project- Laboratory exercise Laboratory exercise	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		6	

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	How to program, Java, 8th edition	Deitel, Prentice Hall, 2010

YARDIMCI KAYNAKLAR		
No	Name of the book	Author's Name, Publishing house, Publication Year
1	Standart C Programlama Dili	F. Kadifeli, M.U.Çağlayan, A.C. Say,
2		
3	Data Structures and Problem Solving Using C++	Weiss, M.A., 2. Ed., Addison Wesley, 2003

EVALUATION SYSTEM

Underlying the Assessment Studies	NUMBER	PERCENTAGE OF GRADE
Attendance/Participation	15	%15
Project / Event	1	%15
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 International Vision University, apply relevant disciplinary rules. International Vision University students are expected never attempts in this kind of behavior.