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
VISUAL PROGRAMMING	**CEN - 2006**	3	180	6

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 lecture aims to teach .NET libraries and basic visual programming concepts using VB programming language to students. Also, it aims to teach how to design object oriented visual programs with Visual Studio programming development environment and coding.
Course Learning Outcomes	1-Gaining the ability and knowledge of designing visual programs using .NET libraries, basic visual programming concepts and Visual Basic programming language and effective coding 2-Gaining the ability and knowledge of learning new visual programming languages 3-Gaining the experience of developing software using visual programming languages 4-Being aware of the necessity of life-long learning and to have self-learning ability.
Course Contents	The course starts with describing .NET objects, collections, events and concepts like methods, properties etc. about visual programming with the introduction of Visual Studio programming development environment. Creating forms with basic and advanced methods, using properties and events of basic and advanced components (labels, textboxes, buttons, control boxes, list boxes, combo boxes, image lists etc.) is described. Following the description of data types, constants, variables, arithmetic and logic operators, control statements, loops, functions, subroutines, structures and arrays which are used for writing programs, working with components like menus, toolbars, status bars are also described. The course is completed with teaching the use of object oriented features of programming environment, working with files and developing application programs which connect to databases. In the course, subjects like preparing printer output, creating program installation packages, creating and using DLL files are also described.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction to Visual Studio IDE	Related Chapters of Course Sources
2	NET objects, collections, events, methods	Related Chapters of Course Sources
3	Toolbox and components	Related Chapters of Course Sources
4	Forms, data types, constants, variables, structures	Related Chapters of Course Sources
5	Arithmetic and logical operators, control statements	Related Chapters of Course Sources
6	Functions and subroutines	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Loops, Arrays	Related Chapters of Course Sources
9	Menus, toolbars, status bars	Related Chapters of Course Sources
10	Classes, Access modifiers, method and properties	Related Chapters of Course Sources
11	Classes, polymorphism, inheritance, overloading, delegate etc.	Related Chapters of Course Sources
12	Dynamic link libraries, files	Related Chapters of Course Sources
13	Connecting to databases and preparing installation packages	Related Chapters of Course Sources
14	Connecting to various databases	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	Programlama Dili	Ahmet Kaymaz,, Papatya Yayıncılık
2		
3	Programming in Visual Basic 2010	Julia Case Bradley, Anita Millspaugh, 2010

ADDITIONAL LITERATURE		
No	Name of the book	Author's Name, Publishing house, Publication Year
1		
2		
3		

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.