



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
MOBILE APPLICATION	CEN - 4012	8	180	6

Prerequisite(s)	None
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Course Language	Macedonian, Turkish, English
Course Type	Required
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra Curricular Office Hours and Location	Meeting: Consultancy:

Course Objectives	The student who completes the course is expected to have an in-depth knowledge of the implementation of technologies and tools for the design and development of mobile applications.
Course Learning Outcomes	Students who can successfully complete this course; they will be able to analyze the requirements of mobile applications design user interfaces and interactions for mobile applications develop secure mobile applications that can actively use databases
Course Contents	Mobile operating systems and mobile platforms, Reactive Mobile Application Development Introduction to React Native, Data-Driven Application Development with React Native, Data-Driven Application Development with Flutter, Web Services Development for Mobile Applications, Database Usage, Android App development, IOS App development

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Entry, installing	Related Chapters of Course Sources
2	Dart Programming language, variables, lists, Maps	Related Chapters of Course Sources
3	Decision structures	Related Chapters of Course Sources
4	Functions	Related Chapters of Course Sources
5	Loops Class	Related Chapters of Course Sources
6	Objects Class e	Related Chapters of Course Sources
7	Midterm Exam	Related Chapters of Course Sources
8	Objects General features of flutter Stateless Widget,	Related Chapters of Course Sources
9	Statefull Witdget	Related Chapters of Course Sources
10	Navigation operations Buttons,	Related Chapters of Course Sources
11	Image processing widgets	Related Chapters of Course Sources
12	Firestore database Database operations	Related Chapters of Course Sources
13	Sqflite Usage	Related Chapters of Course Sources
14	Persistent storage	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		8	

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	Author Name	Author's Name, Publishing house, Publication Year
1	Oğuz RAKICI	Adım Adım Flutter ile Mobil Uygulamalar, 2020
2		
3		

ADDITIONAL LITERATURE		
No	Author Name	Author's Name, Publishing house, Publication Year
1	Thomas Bailey, Alesandro Diesseg	Flutter of Beginners Second Edition
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 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.