



**THE CYPRUS INTERNATIONAL INSTITUTE OF MANAGEMENT**  
**COURSE UNIT DESCRIPTION**

Course Unit Title	<b>Web Application Development</b>	
Course Unit Code	AT200	
Type of Unit	Core	
Level of Course Unit	Second cycle	
Year of Study	Modular	
Semester	On demand	
Number of ECTS Credits	6 ECTS	
Course Unit Objectives	The objective of this course is to teach the students about web development and frontend design principles. The students will learn about the javascript language, and how to use popular frameworks like react.js, as well as learn about the fundamentals of UX/UI.	
<b>Class contact hours</b>	28	
<b>Minimum learning effort (in hours)</b>	150	
Learning Outcomes	On completion of this course students are expected to:	
	CILO 1	Know the basics of the javascript language
	CILO 2	Know how to design and develop a website in the javascript language
	CILO 3	Learn how to use popular frontend javascript frameworks react.js
	CILO 4	Learn how to use popular javascript express.js
	CILO 5	Understand the basics of UX/UI
Name of Lecturer(s)	George Christou	
Mode of delivery	Face to Face	
Prerequisites or corequisites	None	
Course Content	Introduction to the javascript language: syntax, control flow, data structures	CILO 1
	Introduction to javascript modules and libraries	CILO 1
	Introduction to web design, UX/UI	CILO 5
	Introduction to the react.js	CILO 3
	Introduction to express.js	CILO 4
	Designing and coding a website	CILO 2,3,4,5
Recommended or required reading	<p><u>Textbooks:</u></p> <p>Leonard Base, Javascript For Beginners: The Complete Modern Guide To Start Learn Quickly And Easily Javascript Language. Coding And Program With Tips And Tricks, 2016</p> <p><u>Optional textbook:</u></p> <p>Young Rewired State, Duncan Beedie, Get Coding! Learn HTML, CSS, and JavaScript and Build a Website, App, and Game, Walker Books, 2016</p> <p><u>Articles &amp; Journals:</u></p> <p><u>Online sources:</u></p> <p><a href="https://www.w3schools.com/js/js_intro.asp">https://www.w3schools.com/js/js_intro.asp</a></p> <p><a href="https://www.w3schools.com/react/">https://www.w3schools.com/react/</a></p> <p><a href="https://developer.mozilla.org/en-US/docs/Learn/Server-side/Express_Nodejs/Introduction">https://developer.mozilla.org/en-US/docs/Learn/Server-side/Express_Nodejs/Introduction</a></p>	

Planned learning activities and teaching methods	Lectures; in-class discussion and debates; in-class exercises; problem sets; team work; video case studies, team presentations, interactive online learning via Moodle (quizzes, assignments, forums)
Assessment methods and criteria	10% participation, 60% individual assignment, 30% exam
Language of Instruction	English
Work Placement(s)	Not applicable