

## COURSE DESCRIPTION

### 1. GENERAL

<b>SCHOOL</b>	MUSIC AND AUDIOVISUAL ARTS		
<b>DEPARTMENT</b>	AUDIO AND VISUAL ARTS		
<b>LEVEL</b>	Undergraduate		
<b>COURSE CODE</b>	TEC310	<b>SEMESTER</b>	3 <sup>rd</sup>
<b>COURSE TITLE</b>	Website Development		
<b>INDEPENDENT TEACHING ACTIVITIES</b>	<b>WEEKLY TEACHING HOURS</b>	<b>ECTS</b>	
Lab Lecture, Tutorial	3	5	
<b>COURSE CATEGORY</b>	Specific Background		
<b>COURSE TYPE</b>	Elective		
<b>PREREQUISITES</b>	-		
<b>LANGUAGE OF TEACHING and EXAMINATIONS</b>	Greek		
<b>THE COURSE IS OFFERED TO ERASMUS STUDENTS</b>	YES (In English)		
<b>URL</b>	<a href="https://avarts.ionio.gr/en/studies/undergraduate/courses-descriptions/tec310/">https://avarts.ionio.gr/en/studies/undergraduate/courses-descriptions/tec310/</a>		
<b>ECLASS</b>	<a href="https://opencourses.ionio.gr/courses/DAVA158/">https://opencourses.ionio.gr/courses/DAVA158/</a>		

### 2. TEACHING RESULTS

<b>Teaching Results</b>
Students should know the hyper text markup language (HTML) and layout and formatting commands using style sheets, and to be able to use this knowledge to develop websites. The course provides students with the opportunity to evaluate, using the above knowledge, websites.
<b>General Skills</b>
<ul style="list-style-type: none"> <li>• Seek, analyze and synthesize data</li> <li>• Autonomous work</li> <li>• Team work</li> <li>• Project design and management</li> <li>• Freedom of thought</li> </ul>

### 3. CONTENT

The main objective of this course is to present the basic technologies used for the construction of web sites and applications on the World Wide Web, whereas at a practical level, emphasis is put on learning the extensible hypertext markup language (XHTML) and its accompanying technologies, such as style sheets and client-side scripting languages. Special attention is paid to usability and accessibility issues, through the Design-for-All approach, as well as to Web standards. Designing, structural organisation and static web sites realisation are analysed. Moreover, other topics addressed include user needs analysis, designing and development of web sites infrastructure, with simultaneous reference to dynamic programming technologies.

1st Week: Introductory lesson

2nd Week: Introduction to HTML

3rd Week: Basic Structure of Pages

4th Week: Color & Style Sheets

5th Week: Content Development for Web

6th Week: Connections

7th Week: Images, Multimedia, Graphics

8th Week: Lists, Tables, Frames

9th Week: Forms

10th Week: Data Insert

11th Week: Dynamic Content

12th Week: Publish on the Web

13th Week: Review

#### 4. TEACHING AND LEARNING METHODS - EVALUATION

<b>TEACHING METHOD</b>	Lectures												
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</b>	Enhanced by multimedia content. The learning process is supported by the asynchronous e-learning platform e-class.												
<b>TEACHING STRUCTURE</b>	<table> <tr> <td>Activity</td> <td>Semester Workload</td> </tr> <tr> <td>Lab Lectures</td> <td>26</td> </tr> <tr> <td>Tutoring Lectures</td> <td>13</td> </tr> <tr> <td>Literature Study and Analysis</td> <td>56</td> </tr> <tr> <td>Practice and Preparation</td> <td>30</td> </tr> <tr> <td><b>Course Total (ECTS: 5)</b></td> <td><b>125</b></td> </tr> </table>	Activity	Semester Workload	Lab Lectures	26	Tutoring Lectures	13	Literature Study and Analysis	56	Practice and Preparation	30	<b>Course Total (ECTS: 5)</b>	<b>125</b>
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<b>EVALUATION OF STUDENTS</b>	<ul style="list-style-type: none"> <li>• 65% Final Exams</li> <li>• 35% Individual Project - Website Development: The recommended subject is a personal site. Other subjects will be accepted upon request</li> </ul>												

#### 5. BIBLIOGRAPHY

- Castro, E., Hyslop, B. (2013), HTML 5 and CSS 3 with images, (7th Edition). Athens: Klidarithmos
- Lemay, L. , Colburn, R. (2011), HTML and CSS Manual. Athens: Giourdas