

Lesson 1

(duration 1 hour – 5 minutes break)

Subject	Category
<p>Seminar Introduction – Presentation of theme areas – Get to know the trainees</p> <p>Web Concepts (Web)</p> <p>Key Terms</p> <p>A range of services is being supported by the Internet (<i>World Wide Web ή Web, file transfer, email, instant messaging –IM</i>)</p> <p>Client/server. Functionality and relationship between the browser, web server Τομέας (domain)</p> <p>Uniform Resource Locator, hyperlink</p> <p>Web hosting</p> <ul style="list-style-type: none">▪ <i>Practical Examples</i> <p>Search engines</p> <ul style="list-style-type: none">▪ <i>Practical Examples</i> <p>Primary protocols and usage of <i>TCP/IP - Transmission Control Protocol/Internet Protocol, HTTP - Hypertext Transfer Protocol, FTP - File Transfer Protocol</i></p> <ul style="list-style-type: none">▪ <i>Practical Examples</i>	<p>10.1</p> <p>10.1.1</p>
<p>Web Publishing</p> <p>Advantages of having a website <i>access to a global audience, ease of updating, audience interactivity, cost benefits</i></p> <p>Process of getting a website online <i>(registering a domain choosing a web hosting service)</i></p> <p>Search engine optimization Techniques</p> <p>Including relevant meta data, <i>site map and website links, registering with a search engine</i></p> <ul style="list-style-type: none">▪ <i>Practical Example</i> <p>Factors that impact web page download speed <i>(audio, video, graphical objects, animation content, file compression)</i></p> <p>Appropriate audio, video, graphical file formats for the optimization of the web page download speed</p> <p>Legal Issues</p> <p>Copyright and implications for <i>(images, audio, video available on websites)</i></p> <p>Country Laws</p>	<p>10.1.2</p>
<p>Review</p> <p>Questions – Answers</p> <p>Introduction to the next lesson</p>	

Lessons 2 and 3

(lessons are 1 hour each with a 10 minute break)

Subject	Category
Review the previous lesson	
<p>Design</p> <p>planning and design techniques <i>(evaluating the needs of the target audience, creating storyboards, organizing the site structure, creating a page layout template, deciding on a navigation scheme)</i></p> <ul style="list-style-type: none"> ▪ Practical exercise of creating a storyboard 	10.3.1
<p>HTML Fundamentals</p> <p>Understand the term Hypertext Markup Language (HTML).</p>	10.2.1
<p>HTML - Hypertext Markup Language</p> <p>The role of the W3C consortium in developing HTML recommendations and the benefits these recommendations offer <i>(interoperability of web sites across browsers, enhanced accessibility, consistent document type declarations)</i></p> <p>Use a browser to view web page source code</p> <ul style="list-style-type: none"> ▪ Practical Examples using a web site (like cepis.org or other example) <p>Use of markup tags for structuring a web page layout Basic structure of a web page: (<HTML>, <head>, <title>, <body>)</p> <ul style="list-style-type: none"> ▪ Practical Example using online resources w3shools.com or similar site <p>Use of markup tags for developing the layout of a web page (<h1>, <h2>, <p>,
)</p> <ul style="list-style-type: none"> ▪ Practical Example using online resources w3shools.com or similar site <p>Use of markup tags and attributes for formatting a web page (, <i>, , , , ,)</p> <ul style="list-style-type: none"> ▪ Practical Example using online resources w3shools.com or similar site <p>Use of markup tags for objects, links and images on a web page and attributes like <a href>, <table></p> <ul style="list-style-type: none"> ▪ Practical Example using online resources w3shools.com or similar site <p>Good practice in font selection <i>(Use of sans serif fonts like: Arial, Courier, Helvetica)</i></p>	10.2.2
<p>Design a basic web page with HTML markup</p> <ul style="list-style-type: none"> ▪ Practical exercise using storyboard for personal web page 	
<p>Review</p> <p>Questions – Answers</p> <p>Introduction to the next lesson</p>	

Lessons 4 and 5

(lessons are 1 hour each with a 10 minute break)

Subject	Category
Revise the previous lesson	
Styles: Introduction Basic CSS Concepts CSS - Cascading Style Sheets, their use and benefits Recognize the main approaches to applying styles: inline, internal, external Understand the structure of a CSS rule: selector and declaration (property, value) ▪ <i>Practical examples of cascading style sheets use</i>	10.5 10.5.1
Break	
Cascading Style Sheets – CSS Create, save a new CSS file Create, modify CSS rules: colour, background, font Attach an external CSS to a web page ▪ <i>Practical example of cascading style sheets use</i>	10.5.1
Review Questions – Answers Recap of all lessons	

