

ECCC SYLLABUS

MODULE: **CS M3** CREATING WEB APPLICATIONS

LEVEL: INTERMEDIATE (**B**)

The examination of this module includes all aspects of the baseline (A) extended the competencies listed below.

COMPETENCE GROUP	COMPETENCE WITHIN ECCC STANDARDS
1. Graphics on Web sites	1.1. Basics of Web graphics 1.2. Selection and processing of graphics for the Web 1.3. Animations on the web 1.4. Optimization and optimizers of graphic files 1.5. Placing graphics on the web
2. Cascading Style Sheets (CSS)	2.1. Formatting text with cascading style sheets. CSS 2.2. Succession, cascading 2.3. The syntax definition style. CSS 2.4. Creating a class, creating an ID 2.5. Contextual and universal selector 2.6. Pseudo classes, pseudo elements 2.7. Ways of inserting stylesheets. CSS 2.8. Template
3. JavaScript	3.1. JavaScript language 3.2. Ways of inserting JavaScript scripts 3.3. Basics of programming In JavaScript, 3.4. Variables, functions, control statements 3.5. Main objects, methods, events. JavaScript 3.6. Object dokument model, HTML DOM 3.7. Access to elements, examples 3.8. Given solutions by JavaScript
4. Positioning the site	4.1. Methods of positioning and optimization 4.2. Indexing robots, <i>robots.txt</i> file 4.3. The importance of standards 4.4. Using Given Google tools: Analytics, Adwords, Insights, 4.5. Google site optimizer 4.6. The consequences of unauthorized use of techniques (linking farms)

Preferred development environment for the realization of the intermediate-level tasks:

- Editor XHTML: PSPad, HateML
- Web browser: Mozilla/Firefox, Internet Explorer, Opera, Chrome, Safari
- Additional tools: IETester, Gimp, JpegOptim, ImageResizer, Advanced GIF Optimize, Google site optimizer, Google Account