

ECCC SYLLABUS

MODULE: **CS M2** COMPUTER GRAPHICS

LEVEL: **EXPERT (D)**

The examination of this module includes all aspects of the advanced level (C) extended the competencies listed below.

COMPETENCE GROUP	COMPETENCE WITHIN ECCC STANDARDS
1. Creating and editing of images raster	1.1. Customizing the interface and workspace: using of the tool to retrieve the color and sample colors. 1.2. Creating selections: trace the selection, replacement selection to a path, saving the selection to a channel. 1.3. Operations on layers: layer blending modes. 1.4. Color correction: color profiles, correction with the use of layers. 1.5. Painting and retouching the image, applying filters: defining your own patterns; advanced photo retouching (eliminating unwanted background elements), use of appropriate tools and filter-parameters in order to achieve the intended effects: sketch, collage. 1.6. Creating shapes and paths, editing of texts: editing text converted to shape, text on a path and filling the text in shapes.
2. Creating and editing vector images	2.1. Auxiliary tool for working with text and objects: the spelling checker options, search and replace text, select the same objects. 2.2. Modification and creation of objects: the use of depth and shadow effects. 2.3. Working with bitmaps: Bitmap vectorization.
3. Preparing graphics for print	3.1. Exporting an image for a traditional print with the use of spot colors - DCS format.. 3.2. The use Pantone spot colors for text with a small volume of the font.
4. Automating the process of preparing images	4.1. Cataloging and view images using the contact sheet.
5. Multimedia objects	5.1. Creating Rollover elements. 5.2. Creating a PDF presentation. 5.3. Creating a simple web photo gallery.

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

- raster graphics: **Adobe Photoshop**
- vector graphics: **Adobe Illustrator**, CorelDRAW
- automate the process of preparing images: **Adobe Photoshop**
- multimedia objects: **Adobe Photoshop** (Image Ready, Adobe Bridge)