Inkscape – basic course

Course code: INK1

Do you want to achieve professional results in working with vector graphics, while using free and freely distributable software? Then Inkscape is your only option.In our course, you will learn both the basic drawing of shapes and their transformation and formatting, as well as more advanced procedures for their editing, such as editing segments and nodes, Boolean operations or vectorizing bitmap images. You'll add text to your drawings, import photos, and prepare the entire composition for export or printing. You'll also use more advanced features such as Path Effects, Filters, and Inkscape Extensions. Upon completion, you will be able to create a variety of logos, icons, symbols, diagrams, flyers, business cards and web graphics.

Who is the course for

The course is intended for regular users who want to learn how to edit vector graphics in the free program Inkscape.

Required skills

Basics of working with computer in Microsoft Windows environment.

Course outline

Introduction to computer graphics
- bitmap vs. vector
- image resolution
- graphic formats
- colors
- principles of Bézier curves

Using Inkscape
- menus, tools, panels
- rulers, guides, grid
- snapping
- basic Inkscape settings
- basic keyboard shortcuts

Drawing objects
- basic shapes (rectangle, circle, star...)
- Web resources for other shapes
- general curves (pencil, pen)

Editing objects
- creation of more complex objects by Boolean operations (merge, crop, intersection...)
- adjustment of curves at the level of segments and nodes
- basic Path effects

Manipulation of objects
- duplication, cloning
- alignment, placement, order
- transformation
- grouping
- crop

Formatting objects
- fill (color, gradient, pattern)
- contour
- transparency

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- filters

Text in Inkscape
- basic text
- text in frame
- text on the curve
- text formatting

Document organization
- layers
- symbols

Inkscape extension
- basic built-in extensions

Import and export
- import vector graphics
- import of bitmap graphics and its vectorization
- save graphics in vector formats
- export to PNG