

Cascading Style Sheets – Advanced Course

Course code: INTCS2

This course is assigned for all web page designers, who know HTML and have basic knowledge of CSS. The most important part is work with element size and position – width, height and position. We talk over the possible problems with different browsers, visual menu display with unwrap menu preparing. The end of course is about web-page-layout creating with CSS.

Who is the course for

This course is assigned for web page designers, who know (X)HTML and have basic knowledge of CSS.

What we teach you

We will teach you how to create advanced web pages using CSS.

Required skills

HTML and CSS (basics) knowledge.

Course Outline

Introduction

- CSS vs. related technologies (HTML, JavaScript)
- history, versions CSS (2.1 a 3), specification, browser support
- tools for creation and analysis of CSS

Block & inline elements

- display property (block, inline, inline-block, table-cell, none etc.)
- width, height, overflow properties of elements
- horizontal & vertical alignment
- semantically neutral elements of HTML

Position of block elements

- float and clear elements
- margin property, usage of negative values
- position property (absolute, relative), custom coordinates system, top & left properties
- z-index property

Media query

- print style
- new possibilities of CSS3 for responsible webdesign

Best practices

- column layout stránky
- navigation, dropdown menu, etc.
- photos and other details of web pages

New possibilities of CSS3

- selectors
- font-face
- border-radius, barva rgba, box-shadow, text-shadow
- transforms, transitions, animations
- box-sizing
- multi-column layout
- Flexbox (CSS Flexible Box Model)
- new page background options – linear gradient, multiple-backgrounds, background-size

Web design for mobile devices

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- specific pages for smartphones & tablets OR
- universal web page - responsive webdesign
- graphics for high-resolutional displays
- graphics optimization, data uri, LESS etc.
- SVG format

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