

# 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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# Cascading Style Sheets – Advanced Course

- 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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