

Outline of the HTML5-Part1 course

LIVE ON MONDAY 1 JUNE 2015 - 13:30 UTC

COURSE INTRODUCTION AND PRACTICAL INFORMATION

- Course syllabus
- Getting around the course
- Grading and due dates
- Course tools
- Why accessibility is important
- Why internationalisation is important
- Welcome survey

WEEK 1: HTML5 BASICS

- 1.1 Video introduction - Week 1
- 1.2 From HTML1.0 to HTML5
- 1.3 New structural elements
- 1.4 Other elements and attributes
- 1.5 Microdata
- 1.6 Exercises - Week 1

LIVE ON TUESDAY 9 JUNE 2015 - 15:00 UTC

WEEK 2: HTML5 MULTIMEDIA

- 2.1 Video introduction - Week 2
- 2.2 Streaming multimedia content: the video and audio elements
- 2.3 Subtitles and closed captions
- 2.4 Enhanced HTML5 media players and frameworks
- 2.5 Webcam, microphone: the getUserMedia API
- 2.6 Exercises - Week 2

LIVE ON TUESDAY 16 JUNE 2015 - 15:00 UTC

WEEK 3: HTML5 GRAPHICS

3.1 Video introduction - Week 3

3.2 Basics of HTML5 canvas

3.3 Immediate drawing mode: rectangles, text, images

3.4 Path drawing mode: lines, circles, arcs, curves and other path drawing methods

3.5 Colors, gradients, patterns, shadows, etc.

3.6 Exercises - Week 3

LIVE ON TUESDAY 23 JUNE 2015 - 15:00 UTC

WEEK 4: HTML5 ANIMATIONS

4.1 Video introduction - Week 4

4.2 Basic animation techniques

4.3 Canvas and user interaction (keyboard, mouse)

4.4 A glimpse of advanced canvas functionalities

4.5 Exercises - Week 4

4.6 Optional exercise: draw and animate a monster!

LIVE ON TUESDAY 30 JUNE 2015 - 15:00 UTC

WEEK 5: HTML5 FORMS

5.1 Video introduction - Week 5

5.2 Introduction to HTML5 Forms

5.3 Accessible forms

5.4 New <input> types

5.5 New forms attributes

5.6 New elements related to forms (output, datalist, etc.)

5.7 Form validation API

5.8 Examples of powerful HTML5 forms (use of CSS3, webcam, persistence)

5.9 Exercises - Week 5

LIVE ON TUESDAY 7 JULY 2015 - 15:00 UTC

WEEK 6: HTML5 BASIC APIS

6.1 Video introduction - Week 6

6.2 HTML5 APIs introduction

6.3 HTML5 Cache

6.4 The Web Storage API

6.5 The File API: reading files (metadata, content, previewing)

6.6 Geolocation API

6.7 Final exam: more exercises

COURSE EVALUATION

- Feedback, please!