

# Web Design (COMP 20030)

## Practical 2

### Cascading Style Sheets

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#### Practical Exercises

HTML5 pages should be validated using <http://validator.w3.org>  
CSS should be validated using <http://jigsaw.w3.org/css-validator/>

A single external stylesheet called “**prac2.css**” should be used for all the exercises in this practical. Remember that there should be no HTML in your stylesheet

#### *Exercise 1*

Using the article from exercise 1 in last week’s practical, in your cascading style sheet apply the following styling:

##### NEWS ITEM

“Professor *Steve Buchwald*’s catalytic methods for the formation of **C-N&C-F** bonds and the selective transformations of [ ], as exemplified in his excellent presentation this afternoon, have a major impact on synthetic chemistry with enormous applications in medicine & industry”

- *Prof Andrew J Deeks' Press Release*

This symposium consists of five lectures given by internationally distinguished professors in the field of **synthesis** and **chemical biology** and has been held annually since 2002. In addition to the five lectures, a poster session is held where PhD students present their research. #myucd <-- UCD Today

- Give the **article** element a solid *border* of 1px
- Style the **h1** element so that its *font-size* is smaller
- Give the **blockquote** a *box-shadow* so that it falls both in front and to the left as shown above. You will need to use some negative values in order to achieve this. The blockquote element should also be given styling so that the *font-size* is larger.
- Create a class called **my-padding**. This should have a rule giving *padding* of 5px. Apply this class separately to both the h1 element and paragraph starting with the words “This symposium consists of ...”

Save this file as **q1.html** in the comp20030/practical2 folder.

## ***Exercise 2***

Using the tables from exercise 2 in last week's practical, in your `prac2.css`:

- Create a css class called **course-tables**. Both tables in the html should have this class. This class should provide collapsed borders and set the text so that it [text-align](#) to the center of every cell.
- Using the `course-tables` class, zebra striping should be applied to both tables. Alternating rows should have the background of #66FF99. You shouldn't have to manually apply this striping to every other row.
- Create a new class called **small-letters**. This class should [transform](#) all text to lowercase. Apply this class to the second table, along with the `course-tables` class.

Apply this stylisation to your web page and save as **q2.html**

## ***Exercise 3***

CSS Menu

Using the nested list from exercise 3 in last week's practical, in your `prac2.css`:

- Create an id called `menu`. List item descendants of this id should have no list style (`list-style-type: none;`).
- Using the specifiers of unordered lists belonging to list items (i.e. nested unordered lists) define rules, using css, that allow the nested list items to display only when a user's cursor [hovers](#) over them.

Save this file as **q3.html**

## Exercise 4

In this exercise you will produce a responsive css design

Create three paragraphs using random text produced by lorem ipsum:  
<http://www.lipsum.com/> Place this in a new web page.

In your **prac2.css** create a class called **column** that has a *width* of 320 pixels. Give each paragraph in the web page the class “column”. This should display each paragraph side-by-side on a large screen (like a laptop). You will need to specify that the column class *float* left (or right) in order to achieve this. Zooming in/ using a smaller screen/ lower resolution should cause the paragraphs to display below one another. Add some *padding* to ensure the text from each column doesn’t bump into one another.

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### On a large screen

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### On a small screen (note scrollbar)

Finally, at the document level, give all the paragraphs the background-color #FFFF99. In one of the paragraphs override this at the inline level so that it has a background-color of #FFFFFF

**Note:** **column-count** should not be used when answering this question as it will not allow the desired effect to be achieved.

Save this file as **q4.html** in the comp20030/practical2 folder

## **Submission Instructions**

Create a zip file of the folder containing all this week's solutions.

In Windows you can select the "Practical2" folder, right click and choose send to > Compressed (zipped) archive.

In Mac OS X, you can select the "Practical2" folder, right click and choose Archive.

Name your zip file in the format of "name-practical2- studentnumber.zip", replacing name and studentnumber with your own name and student number.

e.g. "Bloggs,Joe-practical2-12345678". Upload your zip file using the Practical 2 submission form available on Brightspace.