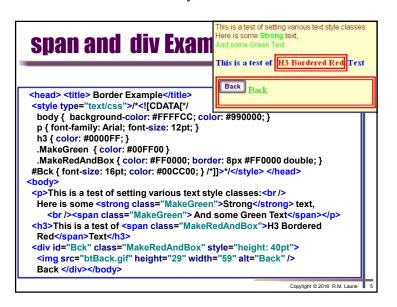
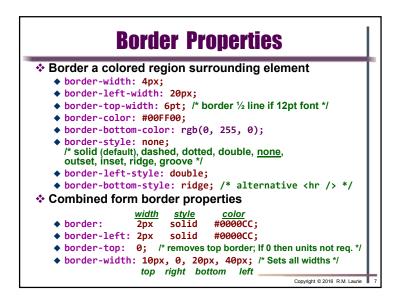
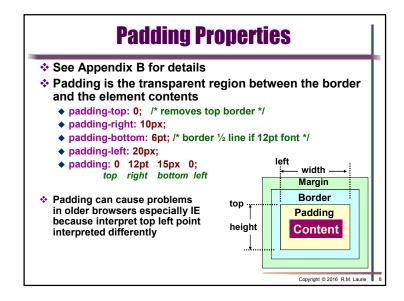


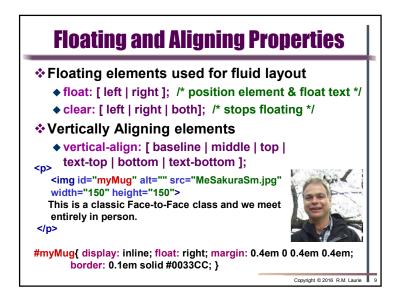
```
<head> <title>Font Family Example</title>
2.
     <style type="text/css"> /*<![CDATA[*/
3.
      p { margin-top: 2pt; margin-bottom: 2pt; font-size: 16pt }
4.
       .Geo { font-family: "Georgia" }
                                   Different Font Families
5.
       .Ver { font-family: "Verdana" }
6.
       .lmp { font-family: "Impact" }
                                    Georgia = abcdef123ABCDEF
7.
       #Arl { font-family: "Arial" }
                                    Verdana = abcdef123ABCDEF
8.
       #Wd { font-family: "Wingdings"} Impact = abcdef123ABCDEF
9.
       #Greek { font-family: "Symbol" } Arial = abcdef123ABCDEF
                                    10.
    /*]]>*/ </style>
11.
    </head>
                                    Symbol = αβγδεφ123ABXΔΕΦ
12.
    <body style="color: #999900" >
     <h2 class="Ver"> Different Font Families</h2>
13.
14.
     Georgia = <span class="Geo">abcdef123ABCDEF</span>
15.
     Verdana = <span class="Ver">abcdef123ABCDEF</span>
16.
     Impact = <span class="Imp">abcdef123ABCDEF</span>
17.
     Arial = <span id="Arl">abcdef123ABCDEF</span>
18.
      Wingdings = <span id="Wings">abcdef123ABCDEF</span>
      Symbol = <span id="Greek">abcdef123ABCDEF</span>
20.
    </body>
                                                      Copyright © 2016 R.M. Laurie
```

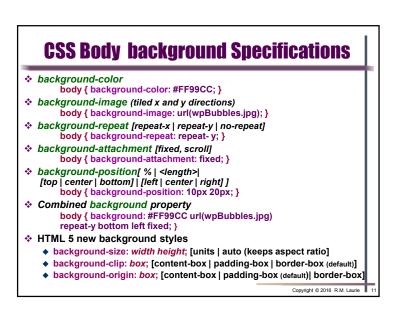




### **Measurement Specification** Absolute Length Measurements 12 points (1 point = 1/72 inch) ♦12pt ♦0.5in ½ inch ◆1.25cm 1 ¼ centimeters ◆16mm 16 milimeters **❖Relative Length Measurements** ♦152px 152 pixels ◆18em 18 times the height of uppercase M ♦24ex 24 times the height of lowercase x **◆120%** 120 percent of default size **❖Relative Font Specification** ◆xx-small | x-small | medium | large | x-large | xx-large Copyright © 2016 R.M. Laurie 6







```
Reset Style Sheet for All Browsers
                                 /* Display HTML5 structural elements as blocks */
                                 article, aside, figure, figcaption, footer, hgroup, header,
displays all structural
elements as blocks
                                    display: block;
                                  /* Set the default page element styles */
                                     y * {
front-family: Verdana, Geneva, sans-serif;
front-size: 100%;
front-weight: inherit;
line-height: 1.2em;
list-style: none;
vertical-align: baseline;
sets the defaults for
the Web site
                                  /* Temporarily hide the page sections */
                                 nav.horizontalNAV, #president, nav.verticalNAV,
#story, header, aside, footer {
hides the main
sections of the Cycle
Pathology home page
                                     display: none;
                                                                                      Copyright © 2016 R.M. Laurie
```

```
CSS Body background Example
<head>
                               This is a test of CSS selectors
 <title>Selector Test</title>
  <style type="text/css">
        background-image: url (wpoc
       background-color: #990000;
        color: #009900;
     .important { text-decoration: underline; }
     em.important { color: #FF0000; }
</style>
</head>
<body>
  <h2 class="important">This is a test of CSS
   selectors</h2>
  It is an <em class="important">important
   issue</em>
    if styles will combine. </body>
                                             Copyright © 2016 R.M. Laurie
```

# **Browser Specific Extensions to CSS**

Vendor Prefix	Rendering Engine	Browsers
-khtml-	KHTML	Konqueror
-moz-	Mozilla	Firefox, Camino
-ms-	Trident	Internet Explorer
-0-	Presto	Opera, Nintendo Wii browser
-webkit-	WebKit	Android browser, Chrome, Safari

- Older browsers may not support CSS3, but they may support a browser extension
  - -moz-background-origin: padding-origin;
  - -moz-background-size: 40%;
  - -moz-border-radius: 15px;
- Supported CSS3 properties
  - background-origin: padding-origin;
  - background-size: 40%;
  - border-radius: 15px;

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## **Element Structural Properties**

- Element Position property
  - position: [ absolute | fixed | relative ];
- Element Placement properties
  - ◆ top: 10px; /\* distance from window top to div top \*/
  - ♦ left: 20px; /\* distance from window left to div left \*/
- Element size properties
  - ♦ height: 400px; /\* height of div element \*/
  - ♦ width: 500px; /\* width of div element \*/
- Element display property
  - display: [ inline | block | list-item | inherit | none ];

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# Fixed, Fluid, and Elastic Layouts Fixed Layout used pixels unit px Fluid Layout uses percent unit % Elastic Layout uses em units em, so size based on font size 1280px FIXED FLUID Fixed layouts stay the same size regardless of screen resolution.

## **CSS - Absolute Positioning**

- Absolute Positioning locates the contents of the HTML5 structural or <div> elements to the coordinates specified by the top left properties
- Can define as inline style rule

<div id="Logo">

```
<div style="position: absolute; left: 420px; top: 20px;">
<img src="../umucLogoSmall.gif" width="83"
height="37" alt="UMUC Logo" /></div>
```

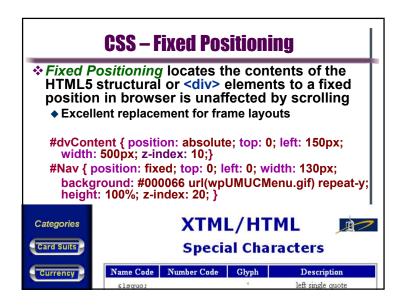
Can define Style Sheet Rule for embedded or external CSS file

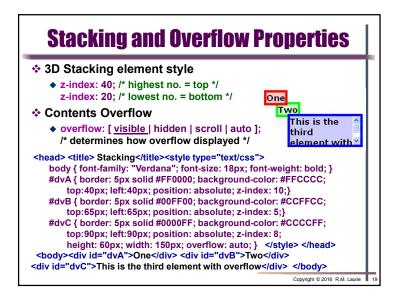
#Logo { position: absolute; left: 420px; top: 20px; }

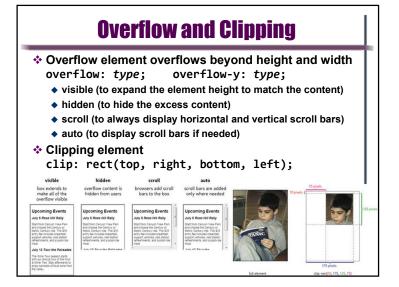


<img src="../umucLogoSmall.gif" width="83"
height="37" alt="UMUC Logo" /></div>

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## **Cascade Rules - Location Precedence**

- If highest two style rules have the same level of specificity, then the last style specified determines the appearance of the html document
- Keep in mind the head of the html document is processed first by the browser followed by the body
  - 1. Inline Styles (Strongest)
  - 2. The last style specified has priority for the External and Embedded Specifications
    - ♦ Embedded CSS (Last has priority)
    - External CSS (Last has priority)

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