Web pages and HTTP

Lectures 1 - 5

Concepts (1)
- Separating content from presentation (accommodating different lifecycles for different portions of the documents)
- Split control between web page author and user over how the page is displayed
  - Tables, absolute positioning, divs, font sizes
- The standardization process and the effect of multiple stakeholders

Concepts (2)
- Modularization, interfaces, protocols
- Extensibility, evolution, backward and forward compatibility
- Metadata, option negotiation
- State vs. statelessness
- Lossy/lossless compression
  - http and images
- Absolute vs. relative addressing (URLs, positioning, sizes of page elements)

Technologies
- HTML, XML, XHTML
- Tags, attributes, URLs, hyperlinks, forms
- CSS – rules, selectors, attributes
  - Fonts, colors, spacing, positioning, backgrounds
- Images – formats (JPEG, GIF, PNG)
  - Representing colors, transparency
- HTTP – requests, replies, header lines
  - URL encoding with GET requests, POST