COP 4814 Web Services

Credits: 3

Text book, title, author, and year: N/A.

Other supplemental materials: Online documentation.

Specific course information
  a. **Catalog description:** Introduction to the concept of the next Web. Course is oriented towards the cutting edge technologies available for building content using available APIs from leading data providers and constructing cross-browser pages with high standards for visual presentation.
  b. **Prerequisites:** COP 3813, COP 3014
  c. **Required, elective, or selected elective:** Elective

Specific goals for the course
  a. **Specific outcomes of instruction:** Understanding the Web Services terminology and tools, proper usage of Web APIs, basic concepts in data analysis and visualization, comprehensive knowledge of the topics covered during the course, demonstrating ability to implement concepts covered in class

Brief list of topics to be covered
  1. Introduction to Web and Internet technologies
  2. HTML5, CSS3, PHP, JavaScript, XML, JSON, MySQL
  3. Introduction to Web Services
  4. PHP WS, Zend framework, RPC, SOAP, RESTful
  5. Topics related to projects
  6. Amazon AWS and Microsoft Azure