
ITP 404: Intermediate Web Development

Course: **Intermediate Web Development**
<http://itpwebdev.usc.edu/itp404>
Spring 2006
Course 31916
3 Units

Lecture: Tuesdays from 12:30 – 1:50 p.m. in OHE 406

Lab: Thursdays from 12:30 – 1:50 p.m. in OHE 406

Instructor: **Justin Emond**
OHE 412
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Office Hours: *Thursdays, 5pm*
(Please make appointment when possible)

Grader: **TBA**

Description: This course is intended to teach a combination of technologies used in contemporary Web development. The class will focus in many areas of the emerging Web 2.0 technologies and conventions. This includes data exchange and XML, creating and disseminating Web services, using APIs, building applications that leverage multiple Web Services and APIs, and some of the newer, emerging code and convention standards such as AJAX. This class will also expose students to some of the most prevalent standards and techniques. Students will get experience both in code-level implementation and using at least one visual studio.

Requirements:

Students are expected to:

- Attend and participate in lecture discussions and critiques
- Attend and complete weekly lab assignments and projects
- Manage and complete individual class projects

Students are responsible for completing assignments and projects by stated deadlines. Most assignments will be uploaded by students to their USC Web space and posted in an itp404 directory.

Academic Integrity:

Student should be aware of the universities policies regarding student conduct, and in particular issues related to academic integrity:

http://www.usc.edu/dept/publications/SCAMPUS/gov/student_conduct_code.html

Grading:

Grading will be based on lecture attendance and participation, completed assignments and projects, midterm grades, and a final individual project.

Final grades will be determined as follows:

<i>Weekly Quizzes, Assignments and Projects:</i>	30%
<i>Class Participation and Attendance:</i>	15%
<i>Midterm Examination:</i>	20%
<i>Individual Final Project:</i>	35%

Projects:

It is the responsibility of the student to make sure projects and assignment are turned in on time. Make sure you follow the procedures outlined in each assignment or project.

Late projects will be reduced a letter grade per day after the assignment was due. No projects will be accepted later than five days from the due date.

Texts:

All reading will be distributed through handouts and URLs.

Course Overview:

Week 1	Jan 10	Overview of Web services, APIs, Web Industry
Week 2	Jan 17	Introduction to XML
Week 3	Jan 24	XML Part 2
Week 4	Jan 31	Introduction to Web APIs
Week 5	Feb 7	Intro to Web Services; Disseminating WS using ASP
Week 6	Feb 14	ASP and WS Part 2
Week 7	Feb 21	Disseminating specific APIs/Web Services; ASP+JS/VB
Week 8	Feb 28	Writing a Web Service; WSDL; SOAP; UDDI
Week 9	March 7	Examinations
	<i>March 14</i>	<i>Spring Break</i>
Week 10	March 21	Overview/Review of PHP, ASP and .NET
Week 11	March 28	Writing a Web Service with PHP/SOAP
Week 12	April 4	Writing a Web Service with ASP.NET and visual studio
Week 13	April 11	Integrating WS/APIs into ASP.NET with visual studio
Week 14	April 18	Next-generation JS scripting; Introduction to AJAX
Week 15	April 25	AJAX Part 2
	April 28	Final Projects Due by 6 p.m.
	May 10	Student presentations of final projects in OHE 406