



Computer Science Department  
**Course Syllabus**  
**CS438 - Internet Technologies**

**Catalog Description:** This course introduces students to the use and applications of Internet Technologies. The students should also get an idea for developing Internet applications using various tools and techniques.

**Credit Hours:** **3 Credit hours:** 3 Lectures per week 0 Labs. per week 0 Recitation per week

**Prerequisites:** CS330

**Course Learning Outcomes:**

1. Learn to work effectively in teams to develop Web based solutions
2. Study the typical components of the client server application paradigm
3. Learn and use tools and languages such as JavaScript for client side scripting
4. Learn and use tools and languages such as JSP for server side scripting.

**Major Topics:**

- HTML5
- CSS
- JavaScript
- XML
- Java Servlets/Java Server Pages
- AJAX

**Text Books:**

- Required: Internet & World Wide Web, How To Program, Paul Deitel, Harvey Deitel, and Abbey Deitel, 5th edition, ISBN-10: 0-13-215100-6, ISBN-13: 978-0-13-215100-9, Prentice Hall, 2011.
- Optional: Core Web Programming (Volumes I & II), Hall and Brown, 2nd edition, Prentice Hall PTR, 2001
- Optional: Core Servlets and Javaserer Pages: Core Technologies (Vol.1), Hall and Brown, 2nd edition, Prentice Hall PTR, 2003.
- Optional: Core Servlets and Javaserer Pages: Advanced Technologies (Vol.2), Hall, Brown, and Chaikin, 2nd edition, Prentice Hall Professional, 2008.
- Optional: Professional Web 2.0 Programming, Van der Vlist, Ayers, Bruchez, and Vernet, John Wiley & Sons, 2007.
- Optional: Programming the World Wide Web, Sebesta, Addison-Wesley, 2007.
- Optional: Learning Web Design: A Beginner's Guide to XHTML, Style Sheets, and Web Graphics, Niederst, O'Reilly, 2007.
- Optional: Ajax on Java, Olson, O'Reilly, 2007.



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**Grading:**

- ⦿ The grading scale for this course is:
  - . 95 - 100 A+ Passing
  - . 90 - 94 A Passing
  - . 85 - 89 B+ Passing
  - . 80 - 84 B Passing
  - . 75 - 79 C+ Passing
  - . 70 - 74 C Passing
  - . 65 - 69 D+ Passing
  - . 60 - 64 D Passing
  - . 0 - 59 F Failing
  
- ⦿ Final grades will be determined based on the following components:
  - . 60% Semester Work
  - . 40% Final Exam
  
- ⦿ Students may not do any additional work for extra credit nor resubmit any graded activity to raise a final grade.
  
- ⦿ Late submissions will not be accepted for any graded activity for any reason.
  
- ⦿ Students have one week to request the re-grading of any semester work.

**Attendance Policy:**

Students should attend 80% of the overall course hours taught in the semester as per the University regulations.

If a student fails to achieve this portion, he/she shall not be allowed to appear in the final exam and shall be awarded "DN" grade and repeat the course.

**Cheating and Plagiarism Policy:**

The instructor will use several manual and automated means to detect cheating and/or plagiarism in any work submitted by students for this course.

When a student is suspected of cheating or plagiarism, the instructor raises the issue to the disciplinary committee.



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**Communications:** Registered students will be given access to a section of the Blackboard Learning System for this course. Bb will be used as the primary mechanism to disseminate course information, including announcements, lecture slides, assignments, and grades.

Communication with the instructor on issues relating to the individual student should be conducted using CIS email, via telephone, or in person.