

Intro

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Course Objectives

Learn:

- How to present business documents on the Web
- How to use Databases with the Web using server-side scripting

Course Schedule

Week 1 **Review of Web Development Methods**

Topics: Internet Architecture, Review of HTML, Cascading Style Sheets and Databases, Conversion of Office Documents to PDF

Week 2 **Databases and the Web I**

Topics: Relational Databases, SQL

Reading: *Text Chapter 2 and 3*

Assignment: *will be provided*

Week 3 **Databases and the Web II**

Topics: Connecting to Databases: ADO, ODBC

Reading: *Text Part 2*

Exam: Friday, Mid-Term Exam on Week 1, 2 and 1. Class of Week 3

Project: Introduction to the project

Course Schedule II

Week 4 Developing Web Applications I

Topics: Server-side Scripting with ASP

Project: Start of Project

Week 5 Developing Web Applications II

Topics: Scripting

Project: Progress Review

Week 6 Data Integration with XML

Topics: Concept of Markup Languages, SGML, XML, XSL, XQuery

Project: Progress Review

Course Schedule III

Week 7

Project Presentation

Project:

Final Review and Presentation

Week 8 Exam

Project Submission and Final

Exam: Final Exam covering all Topics of the class

Project:

Submission of Student Projects

Term Project

- Web application of your choice.
- This application must consists of Web pages with a connection to a database.
- The topic as well as the scope of the application will be discussed in **week 3**

- Progress will be reported weekly
- In **week 7** you have to present your project
- In **week 8** you have to submit the project

Grades

% of grade

- 1) Assignments and Class Participation 10
- 3) Course Project, Documentation and Presentation 45
- 4) Mid-Term Exam on Week 1 - 3 (30 minutes in Week 4) 15
- 5) Final Exam on all Classes (1 hour in Week 8) 30

<u>Course %</u>	<u>Course Grade</u>
93 - 100	A
90 - 93	A-
87 - 90	B+
83 - 87	B
80 - 83	B-
77 - 80	C+
73 - 77	C
70 - 73	C-
67 - 70	D+
60 - 67	D
< 60	F