IT 231 Syllabus – Spring 2017

Thursday, March 23, 2017   10:46 PM

Summary

Introduction to framework-based web development. Students create interactive, dynamic web sites using a common web architecture and object-based database access. Programming for web development includes control structures, objects, functions, and use of composite data types.

Texts

Agile Web Development with Rails 5 by Ruby, Thomas, and Hansson, Pragmatic Bookshelf, 2016

Prerequisites

IT130

Grading

- **Assignments**
  - Worth 30% of total grade
  - Programming assignments given most weeks
  - Will be posted on the course web site and will be due one week after the day it is posted (unless otherwise noted).
  - Assignments must be submitted through the course web site; grades will be returned the same way.
- **Individual Project**
  - Worth 30% of total grade
  - Fully functional, good quality, well designed and professionally looking application
- **Midterm Exam**
  - Worth 20% of total grade
  - Cumulative, online exam – open book & open notes
- **Final Exam**
  - Worth 20% of total grade
  - Cumulative, online exam – open book & open notes

Late Penalties for Projects: One week late: -10%; two weeks late: -30%; three weeks late: -70%, four or more weeks late: -100%.

Grading Scale:

A	94-100
A-	89-93
B+	85-88
B	84-80
B-	75-79
C+	70-74
C	65-69
C-	60-64
D+	55-59
D	50-54
F	0-49.9999

Additional Regulations

- Class registration is not allowed after the first week of class.

- Students should keep backup copies of all submitted assignments.

- Absences are not excused in this course.

- Extra credit assignments are not given.

- *No late assignments will be accepted after final grades are submitted to the registrar.

- An incomplete is hard to get in CDM. It is only allowed for a major illness (typically requiring hospitalization) or a death in the family. In any case documentation is required, and more than one half of the work must be completed for the course.

- Students must test homework projects that are submitted on the CDM Course Online Submission Site to verify that they are properly submitted.If you have trouble submitting any project, email the completed project to the professor immediately to show that you completed it on time.

- Students that must miss an exam must contact the professor in advance to reschedule the exam.
  If a student misses an exam without first contacting the professor, that exam can only made up if the following three conditions are met: (1) the student has a valid reason for missing the exam, with appropriate documentation, (2) the student has attended at least 70% of the class sessions before the exam.
  A late penalty is charged for taking the exam late if a valid reason is not provided. Submitting a wrong version is not a reason to waive a late penalty for a project.

Tentative Schedule

- Week 1: - March 27 - Introduction and Review
- Week 2: - April 3 – Controller, Variables, CSS
- Week 3: - April 10 – Model, Migration, Database
- Week 4: - April 17 - Ruby Language & Views
- Week 5: - April 24 - Ruby Language II
- Midterm Exam - Online April 23 thru April 30
- Week 6: - May 1 - Forms & Views
- Week 7: - May 8 – ActiveRecord, Database II,
- Week 8: - May 15 - Authentication
- Week 9: - May 22 - Database III & Authentication
- Week 10: - May 29 - Workflows
- Final Exam Online May 28 thru June 5
- Individual Project Due June 5