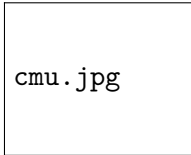


Introduction to Django Web Development



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A statement about the changeable nature of this syllabus.

Course Description: Welcome to "Introduction to Django Web Development"! This is your first stepping stone to the Web framework.

Prerequisite(s): None! Just your willingness to ask questions and code!

Credit Hours: 3

Recommended Text(s):

<http://gsl.mit.edu/media/programs/south-africa-summer-2015/materials/djangobook.pdf>, 1st Edition

Course Objectives:

At the completion of this course, students will be able to:

1. Make fully functional and deployed web application
2. Make a small social networking website
3. Connect front-end with back-end side of the website
4. Manage web traffic.
5. use heroku.com or webfactional.com to organize data-structure
6. Be able to freely implement front-end code of their choice.

Grade Distribution:

1 Midterm

1 Finals

Mostly Projects.

Don't worry about midterms and finals.

They should be fairly straight forward if you follow along!

Tentative Course Outline:

The weekly coverage might change as it depends on the progress of the class. However, you must keep up with the reading assignments.

	Content
Week 1	<ul style="list-style-type: none">• Introduction to the course• What is Django?
Week 2	<ul style="list-style-type: none">• Frontend vs Backend• Getting started with VirtualEnv + PIP
Week 3	<ul style="list-style-type: none">• Getting started with github + other developing settings
Week 4	<ul style="list-style-type: none">• Brief review of Python• views.py + settings.py + url.py
Week 5	<ul style="list-style-type: none">• syncdb.py makemigrations• frontend implementation
Week 6	<ul style="list-style-type: none">• staticinpro vs staticinenv• More in Django
Week 7	<ul style="list-style-type: none">• introduction to html + css• More in Django
Week 8	<ul style="list-style-type: none">• login information + registration• 3rd party application + More in Django
Week 9	<ul style="list-style-type: none">• Explore Facebook, Instagram, Pinterest and other social networking websites• Introduction to webscraping
Week 10	<ul style="list-style-type: none">• heroku deployment• webfactional development

Course Policies:

- **General**

- You are allowed to bring Computers but please do not go on Facebook (unless later on in the course where you will have to access various social networking sites for your project)
- Please take notes! I will have notes available to you but taking notes is essential
- **Please ask questions!**

- **Grades**

- This will be a **Pass/NoPass** course. You are expected to have a fully deployed- functioning website by the end of this course. If you have any trouble, please contact me and I will be more than happy to help you. You should all be able to be masters of Django 1.8 by the end.

- **Labs and Assignments**

- Students are expected to work independently. **Offering** and **accepting** solutions from others is an act of **plagiarism**, which is a serious offense and **all involved parties will be penalized according to the Academic Honesty Policy**. Discussion amongst students is encouraged, but when in doubt, direct your questions to me!

- **Attendance and Absences**

- Attendance is expected and will be taken each class. You are allowed to miss **1** class during the semester without penalty. Any further absences will result in point and/or grade deductions.
- Students are responsible for all missed work, regardless of the reason for absence. It is also the absentee's responsibility to get all missing notes or materials.

Academic Honesty Policy Summary:

Introduction

In addition to skills and knowledge, Carnegie Mellon University aims to teach students appropriate Ethical and Professional Standards of Conduct. The Academic Honesty Policy exists to inform students and Faculty of their obligations in upholding the highest standards of professional and ethical integrity. All student work is subject to the Academic Honesty Policy. Professional and Academic practice provides guidance about how to properly cite, reference, and attribute the intellectual property of others. Any attempt to deceive a faculty member or to help another student to do so will be considered a violation of this standard.

Instructor's Intended Purpose

The student's work must match the instructor's intended purpose for an assignment. While the instructor will establish the intent of an assignment, each student must clarify outstanding questions of that intent for a given assignment.

Unauthorized/Excessive Assistance

The student may not give or get any unauthorized or excessive assistance in the preparation of any work.

Authorship

The student must clearly establish authorship of a work. Referenced work must be clearly documented, cited, and attributed, regardless of media or distribution. Even in the case of work

licensed as public domain or Copyleft, (See: <http://creativecommons.org/>) the student must provide attribution of that work in order to uphold the standards of intent and authorship.

Declaration

Online submission of, or placing one's name on an exam, assignment, or any course document is a statement of academic honor that the student has not received or given inappropriate assistance in completing it and that the student has complied with the Academic Honesty Policy in that work.

Consequences

An instructor may impose a sanction on the student that varies depending upon the instructor's evaluation of the nature and gravity of the offense. Possible sanctions include but are not limited to, the following: (1) Require the student to redo the assignment; (2) Require the student to complete another assignment; (3) Assign a grade of zero to the assignment; (4) Assign a final grade of "F" for the course. A student may appeal these decisions according to the Academic Grievance Procedure. (See the relevant section in the Student Handbook.) Multiple violations of this policy will result in a referral to the Conduct Review Board for possible additional sanctions.

The full text of the Academic Honesty Policy is in the *Student Handbook*.