

CSE 428. Semantic Web Topics

Spring 2006

Professor Jeff Heflin

Course Description:

In this course you will learn what the Semantic Web is, and what its proponents believe it will eventually be able to do. You will be introduced to many useful Semantic Web languages and tools. Finally, you will gain a broad understanding of the most challenging problems and what progress has been made towards solving these problems.

Course Web Page: <http://www.cse.lehigh.edu/~heflin/courses/semweb/>

Prerequisites:

- familiarity with the World Wide Web
- basic Java programming skills
- although not required, some familiarity with artificial intelligence and databases may be useful

Time and Location: TTh 9:20-10:35am, Maginnes 110

Textbook:

Antoniou, Grigoris and Frank van Harmelen. A Semantic Web Primer. MIT Press, Cambridge, MA, 2004. ISBN 0-262-01210-3.

Contact Information:

Instructor: Jeff Heflin
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Grading:

Homework	30%
Team projects	40%
Class participation	10%
Exam	20%

I will use the following base scale for assigning letter grades. Note, for the purposes of this scale, all fractional grades are rounded down.

92-100: A	82-87: B	72-77: C	62-67: D
90-91: A-	80-81: B-	70-71: C-	60-61: D-
88-89: B+	78-79: C+	68-69: D+	0-59: F

The scale on the other side of the page gives the minimum grade you could receive for a given score. Depending on the performance of the entire class, I may adjust the scale so that you will receive a higher grade.

Homework will consist of both written assignments, programming assignments, and written critiques of research papers. The exam will be held in class at some point near the middle of the semester. There will be two team projects involving developing an application of the Semantic Web. Class participation includes class attendance and active participation in the discussion of readings.

Late Work Policy:

Late work will be docked one letter grade (10% of its total value) for each day that it is late. No work will be accepted more than five days late. Exceptions will only be granted if an extenuating circumstance can be proven to the instructor's satisfaction.

Academic Integrity:

All graded work is expected to be your own, unless previous written approval has been given for cooperative efforts (such as the two team projects). In particular, you are not allowed to ask anyone but the instructor for help with your assignments. Any violation of this policy could result in failure of the course.

University Policy on Disabilities:

If you have a disability for which you are or may be requesting accommodations, please contact your professor and the Office of Academic Services, Room 212, University Center or call (610-758-4152) as early as possible in the semester. University policy states that you must notify your professor seven (7) days prior to the exam