Fall 2007

CS 790-01: Semantic Web-Course

Amit P. Sheth
Wright State University - Main Campus, amit.sheth@wright.edu

Follow this and additional works at: https://corescholar.libraries.wright.edu/cecs_syllabi

Part of the Computer Engineering Commons, and the Computer Sciences Commons

Repository Citation
https://corescholar.libraries.wright.edu/cecs_syllabi/230

This Syllabus is brought to you for free and open access by the College of Engineering & Computer Science at CORE Scholar. It has been accepted for inclusion in Computer Science & Engineering Syllabi by an authorized administrator of CORE Scholar. For more information, please contact corescholar@www.libraries.wright.edu, library-corescholar@wright.edu.
First phase: Overview

- Languages: RDF, OWL
- Introduction to Ontology design/development, semantic annotation (metadata extraction) and reasoning

Second Phase: Indepth

- Techniques for ontology design and extraction/annotation
- Hands for one or two of these
- Review of representative projects/tools

Third phase: State of the art and research

- Selected paper presentations and discussions
- Project discussions

For more details, see the example of what was covered during the last time I taught this class:

http://lsdis.cs.uga.edu/ccourses/SemWebFall2005

Grading: (may be adjusted by 5 to 10% among different categories)

- **Project 30%**
  - Individual to a group of 3
  - Select one from list we supply or create your own
  - Timeline
    - Form groups and select general topic: first 3 weeks
    - Formal Proposal: first month
    - Agreed-upon concrete set of deliverables: Midpoint
    - Report and demo: last week of class

- **Midterm 25%**
  - Will be based on a fixed set of papers chosen from the reading list
  - Questions will be directly from these papers or from direct pertinent references in these papers

- **Homework and Quizes 25%**
  - Assignments
Reviews of seminal and fundamental papers to be presented in class
- Guidelines for how to do a review is to be handed out before first review is assigned
- Reviews will be discussed in class with each person requiring to come prepared to class and contribute to the discussion.

Small programming / tool demo projects
- For example, create an ontology in Protege and export it to OWL or RDFS.

Presentations 10%
1. presentation about a topic from a general topic/paper list which will be provided on the course page worth 10%
2. presentation relating to the topic on which your project is based (literature survey) since there will be a substantial amount of literature survey papers for this should be relatively easy to find. worth 5%

Attendance and Participation 10%
1. 1 mark will be subtracted for each absence not related to emergency or significant health reason
2. 0.5 marks will be deducted for each time you come to class after 10 minutes)

Office Hours: Any time by appointment or 12:30 tp 1:30 on the day of the class