CS 5392 Graduate Research Methods

Fall 2010 Course Schedule
(Subject to change)

Schedule: 4:30-5:50 p.m., Tuesdays and Thursdays, in Room 322
Instructor: David Novick

Week 1: August 23-27

Tuesday
The structure of a thesis
Finding relevant literature
Writing a précis

Thursday
Reading and explaining a research paper
Due: précis of assigned paper

Week 2: August 30-September 3

Tuesday
Finding and formulating research questions

Thursday
Finding and formulating research questions
Due: Précis of paper you found

Week 3: September 6-10

Tuesday
Approaches to good writing for research papers, theses and dissertations

Thursday
Using a style guide
**Week 4**: September 13-17

Tuesday
Writing the literature review section
**Due**: Question and justification

Thursday
Research in Theory of Computation (Dr. Kreinovich)
**Due**: Précis of assigned papers

**Week 5**: September 20-27

Tuesday
Midterm 1

Thursday
Editing a research paper
Review of midterm

**Week 6**: September 30-October 1

Tuesday
Formulating good research questions (2)

Thursday
Writing the methods section

**Week 7**: October 4-8

Tuesday
Research in Software Engineering (Dr. Roach)
**Due**: Précis of assigned papers
**Due**: Literature review section

Thursday
The relationship between writing and critical thinking

**Week 8**: October 11-15

Tuesday
More on writing and critical thinking
**Due**: Edited section

Thursday
Writing the motivation section; studies with human subjects
Week 9: October 18-22

Tuesday
Preparing a poster
Due: Method section

Thursday
Ethical issues in research
Due: Motivation section

Week 10: October 25-29

Tuesday
Editing a research paper (2)

Thursday
Presenting a poster
Review of draft posters
Due: Poster (send by e-mail before class)

Week 11: November 1-5

Tuesday
Research in computer systems (Dr. Teller)
Due: Précis of assigned papers

Thursday
How to present a research talk

Week 12: November 8-12

Tuesday
Research in human-computer interaction
Due: Précis of assigned papers

Thursday
Integrating the term paper
Due: Slides
**Week 13:** November 15-19

Tuesday
Writing grant proposals
**Due:** Research proposal

Prep for midterm
How to ask and answer questions

**Week 14:** November 22-26

Tuesday
Midterm 2

Thursday
Thanksgiving

**Week 15:** November 29-December 3

Tuesday
Review midterm
Practice talks

Thursday
Course evaluation
Practice talks

**Final Exam:** Tuesday, December 7, 4:00-6:45 pm., Research proposal defense talks

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*DGN, August 10, 2010*