291S Literature Survey in Software Engineering (2)

https://eee.uci.edu/13f/37430
Thanks to Prof. Jones for substituting today!

(while I am on jury duty)
General Info (1)

• Instructor
  – David Redmiles (http://www.ics.uci.edu/~redmiles/)

• Add /drop
  – Complete by end of Week 2

• Office hours
  – By email appointment to dfredmil@uci.edu
Email to Me

• Subject line must include in subject line
  – “IN4MATX 291S” or “INF 291S”
• If you do not get an answer in 48 hours, resend email.
Class Scope / Theme (1)

• Catalog Description
  – 291S Literature Survey in Software Engineering (2). Reading and analysis of relevant literature in Software Engineering under the direction of a faculty member. May be repeated for credit as topics vary.
Class Scope / Theme (2)

• Interpretation of the Catalog Description!
  – The purpose of this class is to help students who need to prepare for the Software Engineering Written "Phase 2" aka "Written Comprehensive Examination" aka Qualifying Exam. These students would be primarily PhD or Masters students in the Software Engineering Degree Program and some in the (former) IC&S Concentration in Software.
  – The class provides you with course credit for the time you would spend studying and working together to learn the readings in the reading list (http://isr.uci.edu/Software/phasell_reading_list.html)
Class Scope / Theme (3)

- Interpretation of the Catalog Description (con’t)
  - The class also provides some structure and motivation for working through the reading list
  - The class will cover many but not all of the papers in the reading list you are responsible for on the written phase 2 exam. (That is one reason there are 2 quarters of the class required).
  - If however you pass the written phase 2 exam before taking a second quarter, you may petition to be exempted from a second quarter, on a case-by-case basis.
Class Scope / Theme (3)

• Interpretation of the Catalog Description (concluded)
  – From time to time the reading list may vary slightly or
  – additional papers added to cover current themes related to the seminal papers in the reading list.
  – You may also want to bring in additional papers you feel are relevant to discussion.
Written Comprehensive Examination  
(From the catalog)

• Students must pass a written examination testing their knowledge of the relevant topics and literature in Software Engineering and their ability to formulate clear arguments in writing and under time constraints. This examination is based on a predetermined reading list maintained by the program faculty. Preparation for this exam is done during two quarters of Informatics 291S. This exam is administered at most twice a year.

• The exam is graded a Ph.D. PASS, M.S. PASS or FAIL. In case of M.S. PASS or FAIL, it may be re-taken once more, within 12 months, in an attempt to qualify for a Ph.D. PASS. A second M.S. PASS or FAIL results in disqualification of the student from the doctoral program (with or without a terminal M.S. degree).
Organization / Grading

- 30% Class Participation (including attendance)
- 30% Weekly Summaries
- 20% Class Formal Presentations / Discussions
- 20% Practice Questions
30% Class Participation (including attendance)

• Self explanatory for the most part!
• There is no class planned for
  – Wednesday October 9
  – Any additional dates will be announced via the class email list
• Otherwise, email me with an explanation why you are unable to attend class:
  – E.g. attending a research conference
  – Illness
30% Weekly Summaries (1)
(For Each Paper)

• About half a 8.5 x 11 page (single spaced) or
• what you might have put on an old fashioned "index card."

• Include
  – Title, Authors (last names), and Year of Publication
  – Summary in a few sentences
  – Strengths
  – Weaknesses
  – You general opinion (e.g. value of the paper to the
    literature, its relationship to a current topic, etc.)

• You may embellish these fields if there is something
  that helps you study!
30% Weekly Summaries (2)

• Weekly summaries are due in .pdf format to EEE before class.

• You will be asked about your content in group discussion.

• In general, the class encourages students to critique one another so group discussion is not exclusively run by the instructor. (The instructor is more of a moderator).
20% Class Formal Presentations / Discussions

• Volunteers will be enlisted for one or two topics each week (schedule to follow)
• One person will volunteer for a presentation about the papers and will provide that presentation to a discussant the week before class.
• A second person will volunteer to discuss the analysis of the first person
• Depending on the # of participants in the class, not all topics will be covered
20% Practice Questions

• Many questions exist from previous exams.
• We will discuss these in class and in some cases practice them as take-home homework or in-class simulated exams to practice timing.
Schedule - seeking volunteers for presenter / discussant roles
(not in the exact order of the web list)

- October 16
  - Usability
  - Coordination
- October 23
  - Environments
  - Requirements and Safety
- October 30
  - Process & Workflow
  - Configuration Management
- November 6
  - Metrics
  - Evaluation / Assessment
- November 13
  - Open Source
  - Design, Design Rationale, Reuse
- November 20
  - Hypertext and The Web
  - Architecture
- November 27
  - Formal Methods
  - Analysis & Testing
- December 4
  - The Discipline of Software Engineering
  - Mining