CIS740 - Software Engineering

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Goals of CIS740
◆ overview of software engineering from the product viewpoint
◆ knowledge of “state-of-the-practice” and “state-of-the-art” (current articles)
◆ understanding of issues, terminology and foundations
◆ learning to read the literature

Goals continued
◆ I think you as a student can achieve those goals by reading, studying, discussing and investigating the articles (and other information).
◆ I do not particularly want to “filter” your understanding of those articles by lecturing on my view of the article (some articles may require background).

Conduct of Course
◆ UR 3:30-4:45 pm, T 7-10 pm
◆ Discussions/Lectures
◆ Interactive Sessions
◆ Homework
◆ Exams
◆ Read Syllabus
◆ Read announcements

Exams cover
◆ Articles and Readings
◆ FAQs, Discussions and Summaries
◆ homework
◆ postings on web
◆ Not constrained to topics discussed in class but not intended to be tricky or sneaky

My Expectations
◆ You read and study article(s) and readings before class
◆ You prepare to ask/answer questions
◆ You do homework independently
◆ You submit homework on time
◆ You participate in interactive sessions
### Grading
- two midterms (100-150 pts)
- one final (200 pts)
- homework (10-20 pts)
  - due beginning of class (10% off)
- interactive session (0-30 pts)
- 4 tasks (30-100 pts)
- 90% of total points is an A, 80% is a B

### Grade Information
- will be available on kstate online
  - Online.ksu.edu
  - Logon and set a password
  - We will also be using Kstate Online for the interactive sessions.

  Grades will be posted at end with grade points (4-1)

### Availability of Lectures
- world wide web
  - pdf version
  - powerpoint
  - Tegrity video
    - Link from class web page below my webpage
    - www.cis.ksu.edu/~dag

### Articles
- current information
  - sometimes unproven
- different viewpoints
- different styles, terminology, levels
- little background information

### How do you read an article?
- My approach
  - Read abstract
  - Check refs
  - Read conclusions
  - Only then, read paper

### Fundamental Issues
- Why is software engineering important?
- Why have past practices not worked? Or have they?
- What are the trends, issues, concerns?
- What is the future?
For Thursday

- Read “Software Engineering is not Enough” by Whittaker and Atkin, and “The art, science, and engineering of software development” by McConnell

- Visit SWEBOK – [www.swebok.org](http://www.swebok.org)
  – read project overview on web site