CSCE 455/855
Distributed Operating Systems

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http://www.cse.unl.edu/~goddard/Courses/CSCE855

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CSE 455/855
Distributed Operating Systems

- Distributed Operating Systems
  - » 12:30-1:20 MWF
  - » Ferg 111
- Instructor: Steve Goddard
  - » Office hours: 11:30-12:20, 1:30-2:30 MW
  - » Office: Ferg 215A
  - » e-mail: goddard@cse.unl.edu
- Text
  - » *Distributed Operating Systems*, A. Tannenbaum

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What will you learn? And how?

- Principles of Distributed Computing
  - » Primarily through Tannenbaum's book
  - » Many principles have analogs in centralized OS
    - ❖ scheduling, file systems, memory
  - » But complicated by communication issues and a layer of software
  - » We will also read and discuss research papers
  - » Project!

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Grades

- Midterm: 30%
  - » Covers textbook material
  - » Marks transition from traditional lecture format to a seminar format where we discuss more advanced topics
- Classroom Participation: 20%
- Semester Project: 50%

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Project

- Create a Fault Tolerant Distributed File-System:
  - » based on Matt Evan's undergraduate thesis
  - » work in teams
  - » involves both theory and implementation issues
- Feel free to enhance the Evan's design or offer your own!
- Written project proposals and final reports will be required.
- This will be a semester long project!

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