

CSCE 455/855
Distributed Operating Systems

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

1

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

2

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!

3

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%

4

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!

5