Introduction

Why is this course called Advanced Software Engineering? 3156 Us. 4156

canvas = courseworks 2

home page Introduce IAS
go through page
send questions & comments
using piazza, not email

calendar a syllabus pages

text books page - assigned readings

assignments page

arrouncements page

Task Board

we will use trello. com for tash boards
(we will not use its burndown chart plugm)

show my trello a click burndown

SE (what is a burndown chart?

A issue-blackboard us.

powerpoin+?

Can everyone see/read blackboard?

draw tash board & bundown chart majes on blackboard Agile Processes

tash boards a boundown charts are among best known elements of agik processes (also standupmentings)

but the most important concepts (m no particular order) are

> Change incremental iteration delivery

customer c staheholders

vusers inside a outside customer organization

operators ladministrators

V technical support

V developes themselves

X government regulatory agencies

increment - pich part of system to develop first

> provitized feature set (consider dependencies)

iteration - short project to develop a deliver (or at least demo) an increment

project/process activities

requirements
planning
design
code & unit test
system test
release
trach + monitor

typically one month (~ 20 working days) sometimes only for a weeks

Various names, e.g., "Sprint"

deliver - good developers develop, great developers ship

many flavor of agile

pretty much any thing that

isn't waterfall

(or code + fix)

extreme programming (XP) lean Software development Kanban ("Sign board" in Japanese) Scrum

companson to waterfall process

requirements

E. design

Testing

most appropriate for project with fixed requirements, particularly Safety Critical systems (e.g., imagine avonics)