

EE/CpE 423

Senior Design

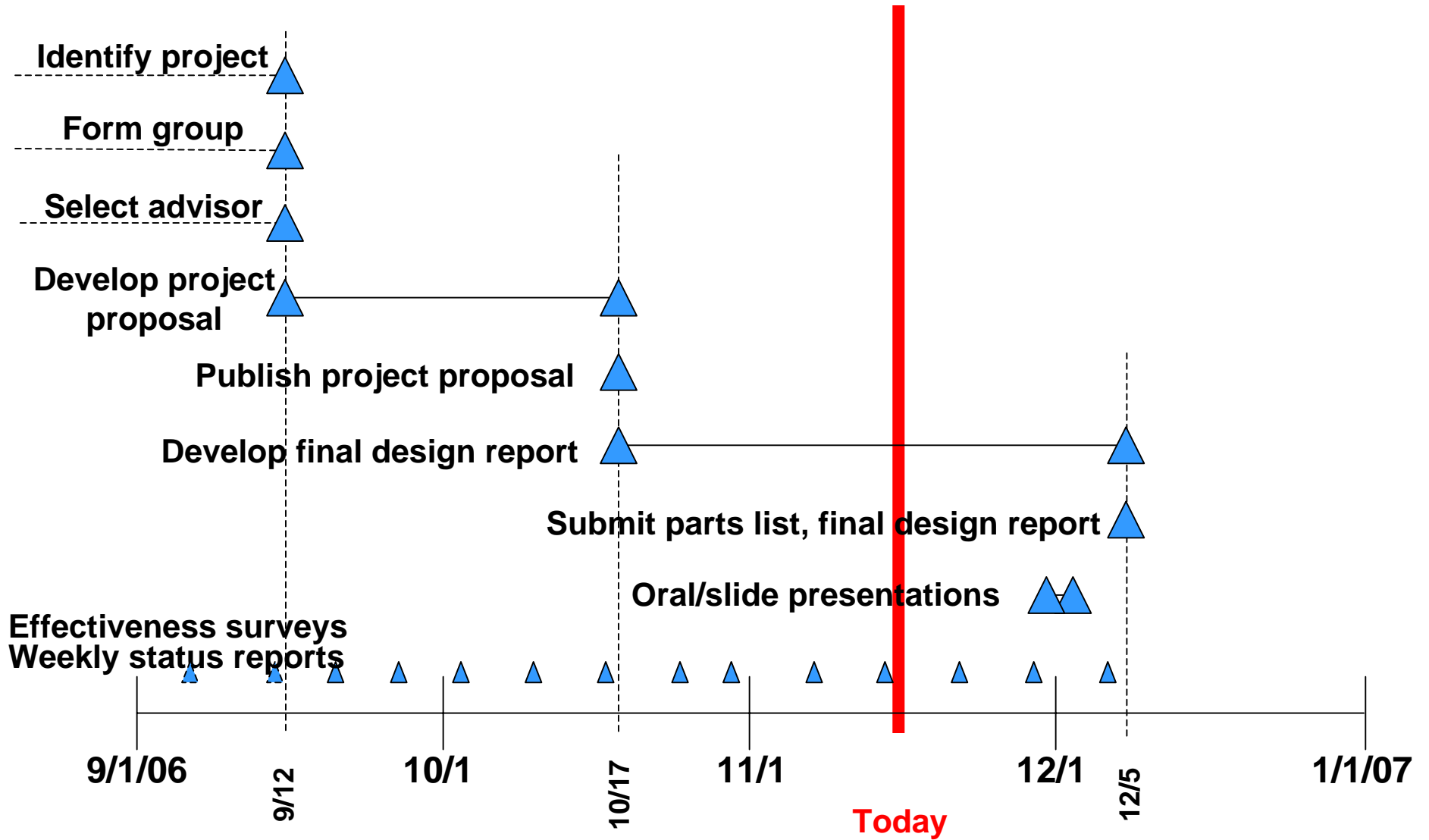
Fall 2005

Class 10 – 11/14/06

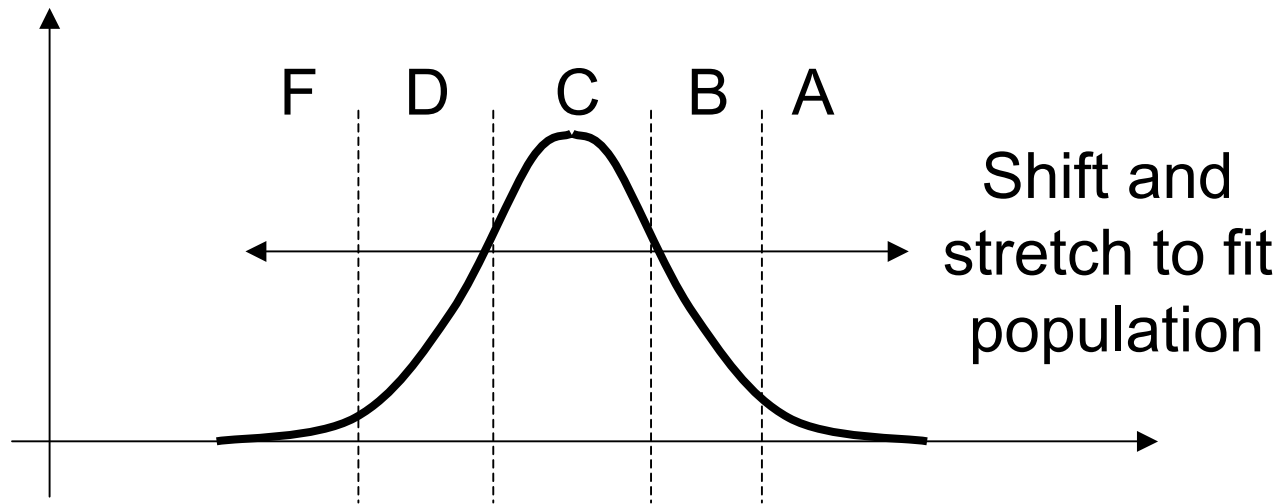
Today's materials

- Time line
- Status/Grading
- Presentation schedule/logistics
- Deliverable philosophy

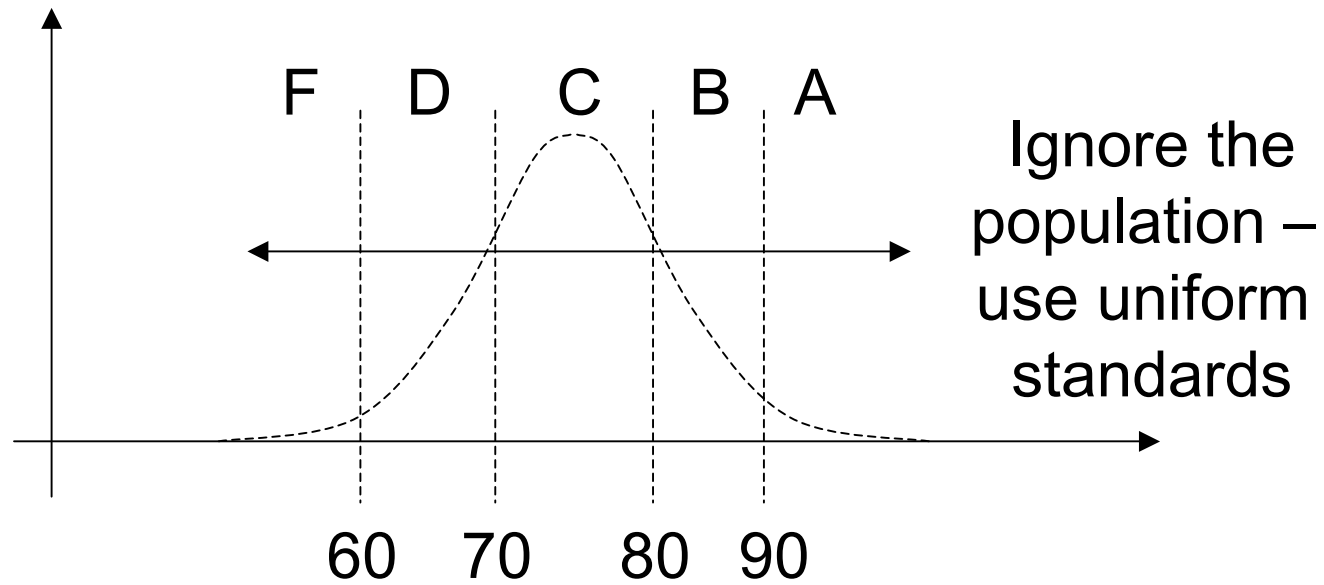
Senior Design Tasks – Fall '06



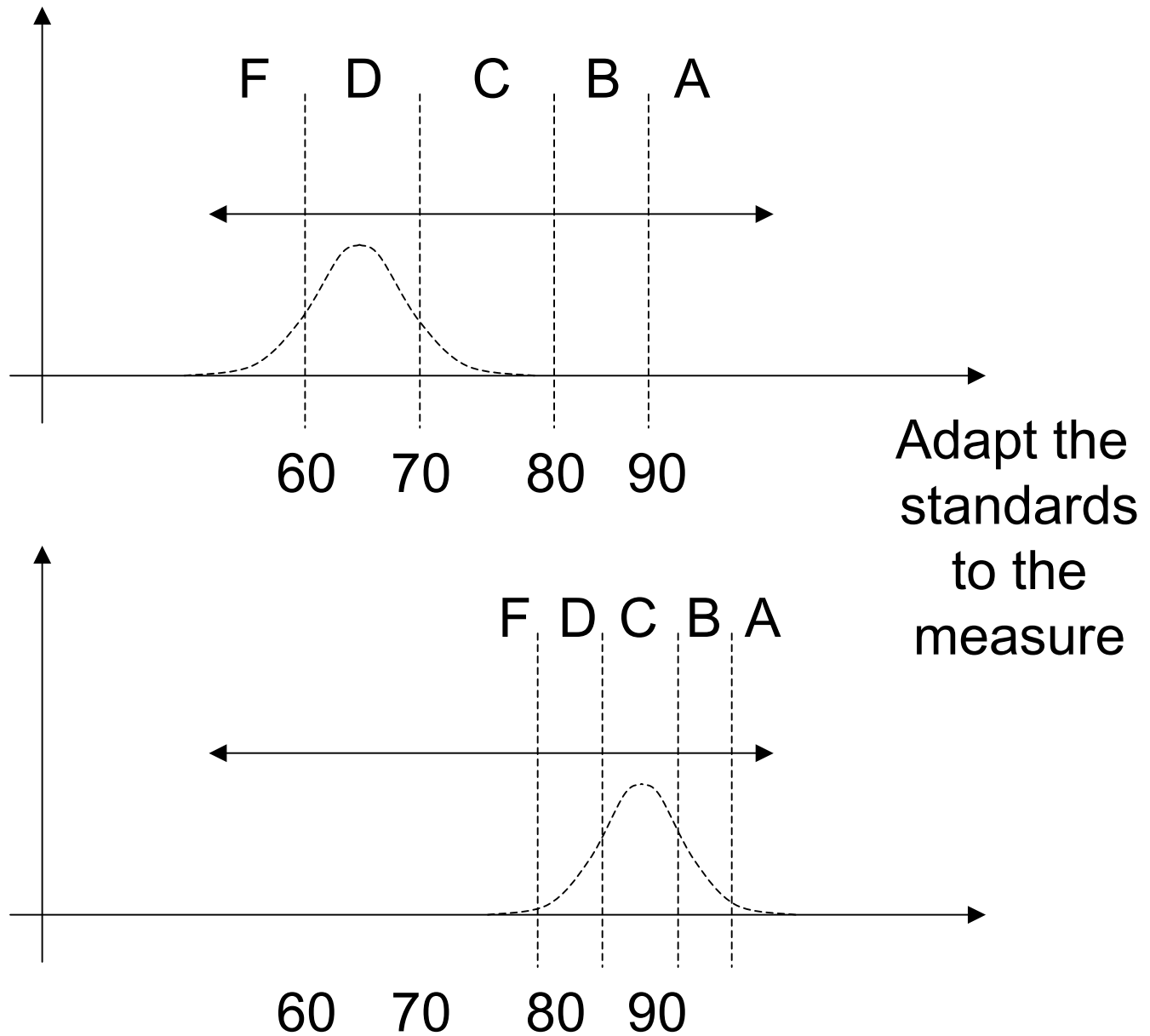
Grading Philosophy-1



Grading Philosophy-2



Grading Philosophy-3



My Grading Philosophy

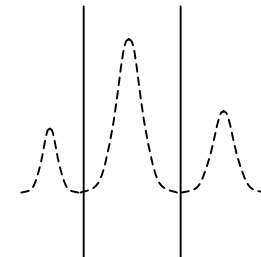
Start with uniform numeric standards

Accumulate data across multiple measures

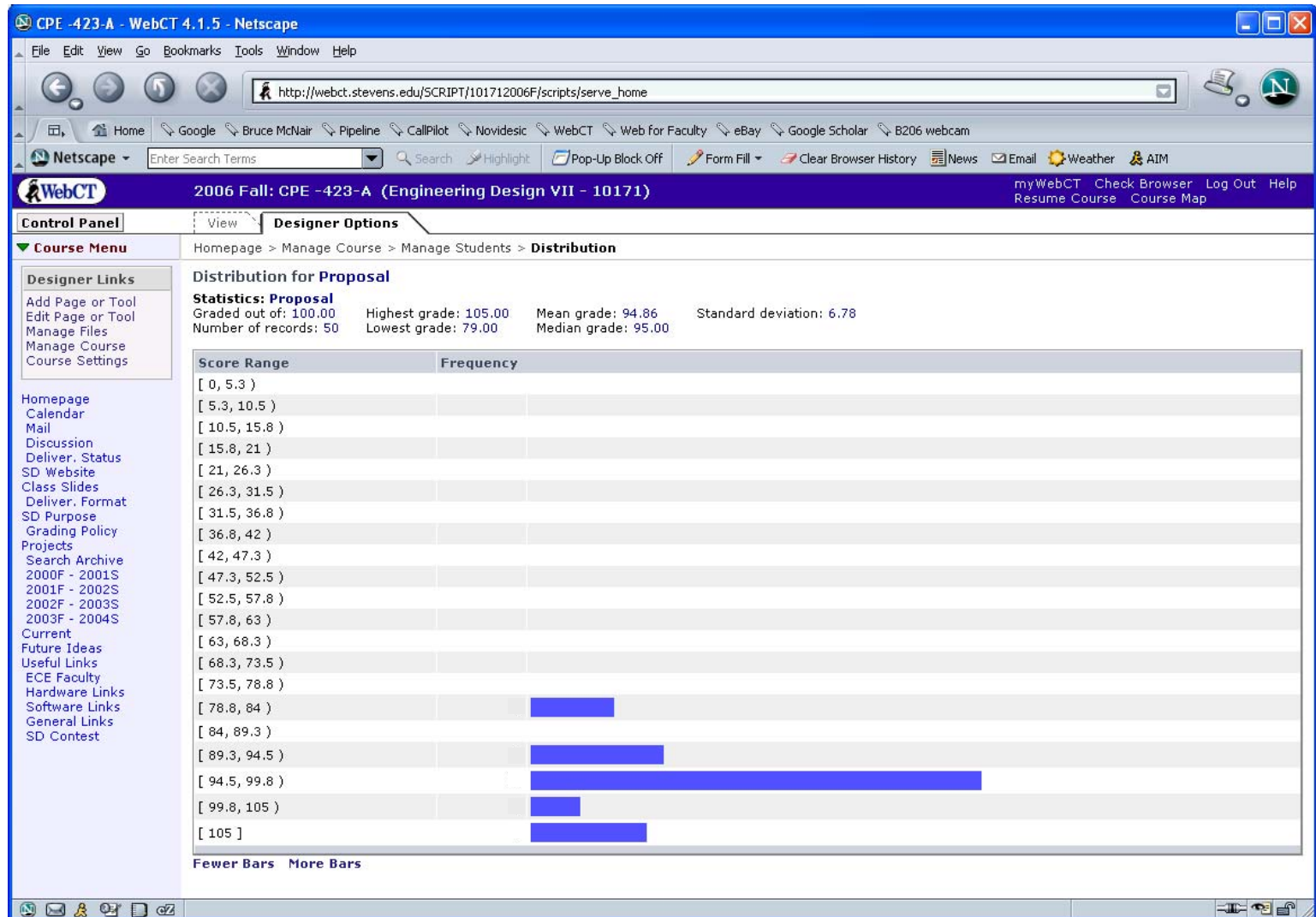
Final clusters will make themselves obvious

Adjust breakpoints downwards to fit clusters

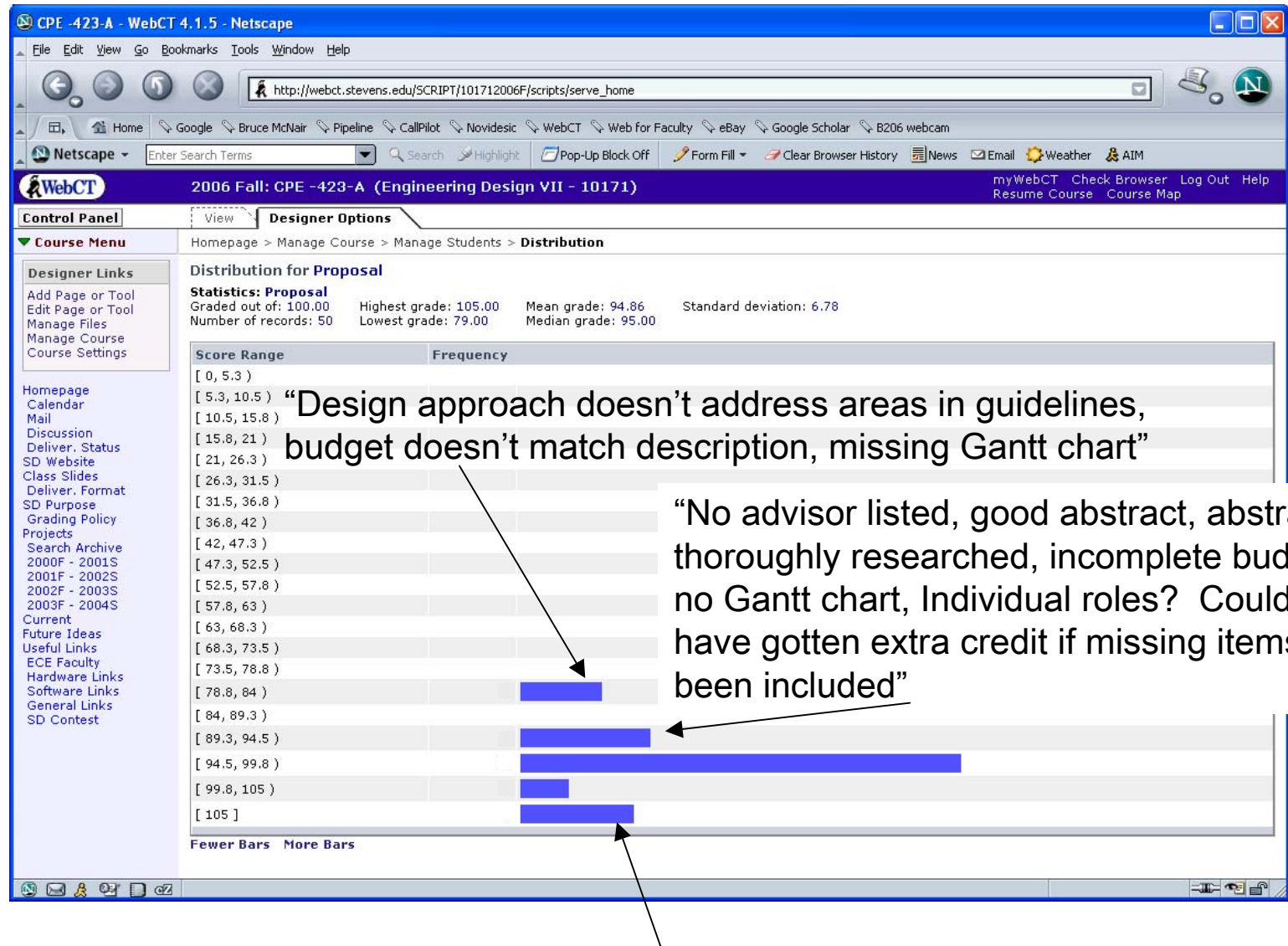
Letter grade = $f(\text{numeric grade})$
 $f(\)$ must be monotonic, but may not be linear



Interim report grades



Interim report grades

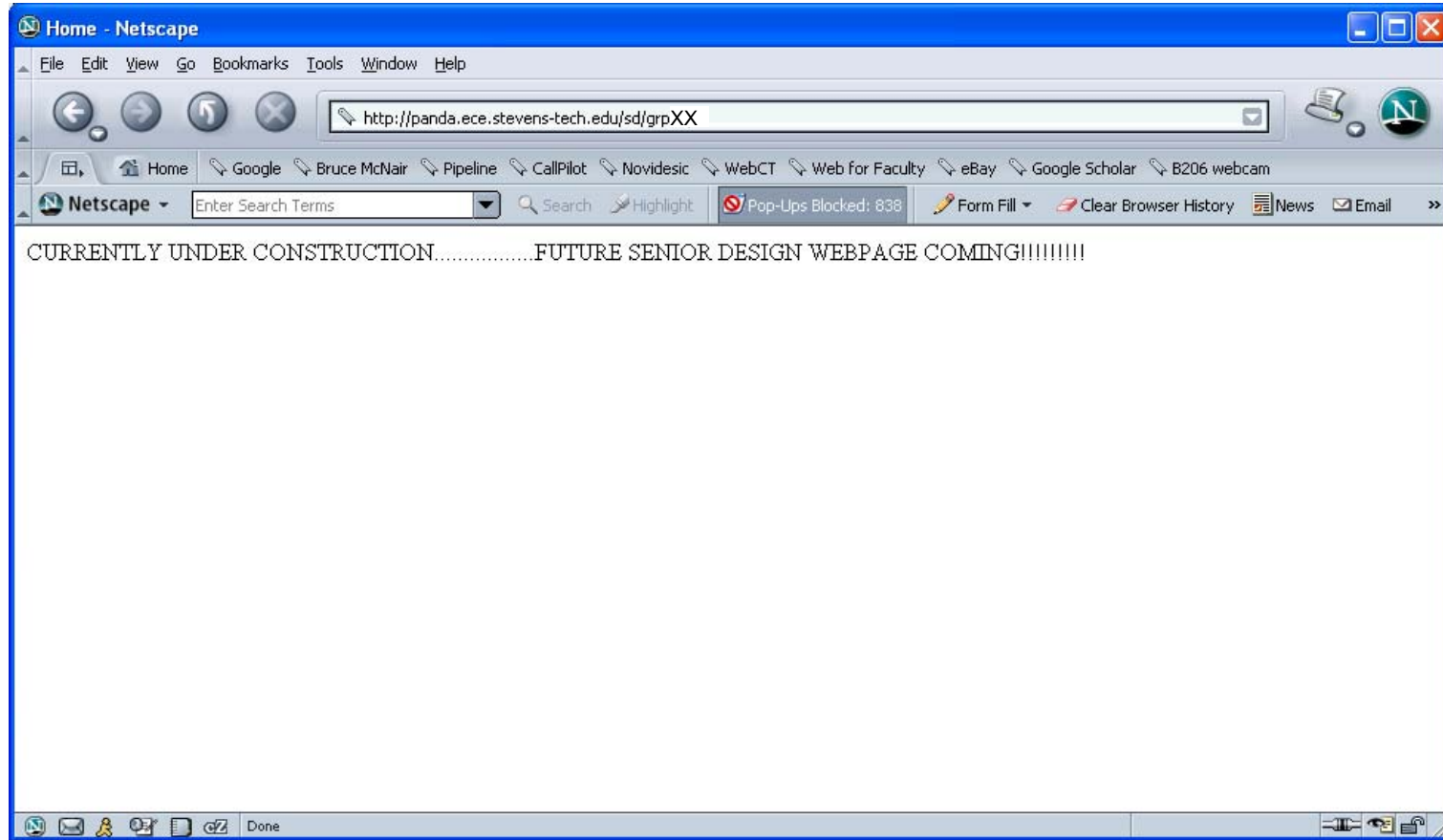


EE/CpE423:
 Senior Design
 Fall 2004

“Well written, thorough design approach analysis, Gantt chart too basic”

Senior Design Web Sites

10 of 12 look like this:



1 is a skeleton only, 1 is fairly complete

Fall '06 Presentation Requirements

- All group members must be present. The group will determine how to organize their speakers
- Arrive AT LEAST 20 minutes before your scheduled time.
- Attendance will not be taken, but if you attend other groups' presentations, you might be in a better position to see what questions will be asked of your group.
- Any group that misses their scheduled presentation time will go to the end of the schedule. The next group will be moved to the earlier time slot. If we have time at the end of the schedule, groups that missed their presentation slot MAY have a chance to give their (required) talk.
- Presentations must be in PowerPoint 2000 (or earlier) format
- Presentations must be emailed to me by 12:00 PM (Noon) the day of your presentation. Presentations sent after Noon are not guaranteed to be available for your scheduled time slot. No alternative means of delivery will be provided (e.g., USB, CD-R, your laptop).
- Revised presentations delivered after Noon may or may not replace the original submission

Fall '06 Presentation Schedule

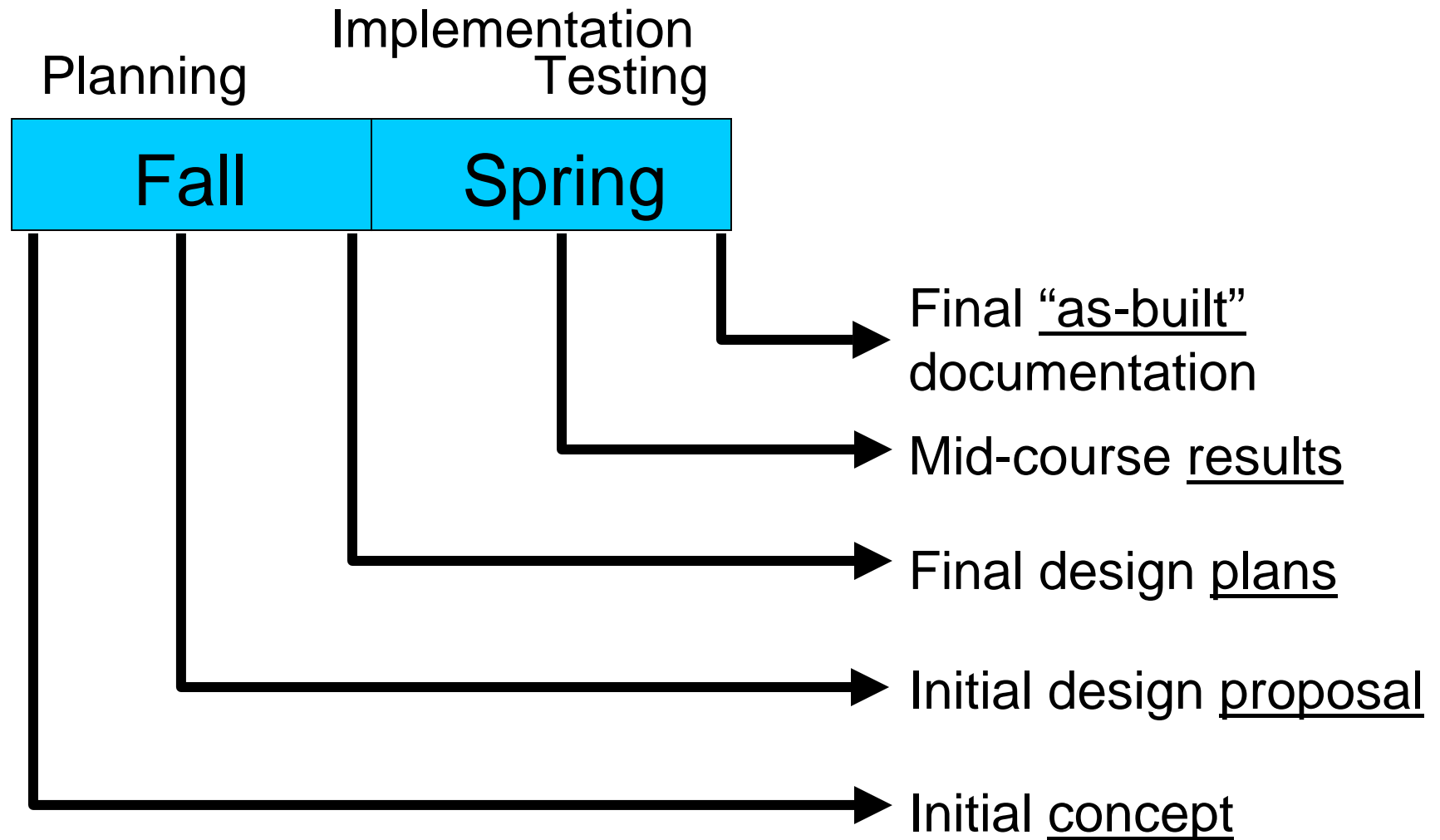
Tuesday, November 28		
Time	Group	Project
3:00 – 3:20	8	Unwired Cognitively Allocated Networking: Frequency Converter
3:20 – 3:40	7	Location Estimation of Stationary and Mobile Users in Wireless LAN
3:40 – 4:00	9	Unwired Cognitively Allocated Networking: Tunable antenna & FPGA-based control
4:00 – 4:20	5	Intelligent Autonomous Search System - NOA (Navigation and Obstacle Avoidance)
4:20 – 4:40	6	Intelligent Autonomous Search System - ESI (Embedded Systems Infrastructure)
4:40 – 5:00	2	Electronic Scoring Archer
5:00 – 5:20		

Tuesday, December 5		
Time	Group	Project
3:00 – 3:20	3	MIMO ComBlock Wireless Testbed
3:20 – 3:40	4	Noise Canceling Window
3:40 – 4:00	10	Emergency Communications Systems
4:00 – 4:20	1	Wireless Power Control
4:20 – 4:40	11	Wireless Drifter
4:40 – 5:00	12	Velocity of a Runner
5:00 – 5:20		

Presentation Logistics

- From the perspective of a cynical optimist:
 - Fall 2002: major snowstorm closed Stevens for one of our presentation days
 - Fall 2003: E421 presentations ran several hours late; PC/projector failure
 - Fall 2004, 2005: things went nearly flawlessly... Murphy is overdue.
- Time schedule:
 - 20 minute time slot. Includes ~5 minutes for questions, discussion, change over. Keep to your scheduled time.
 - **DON'T MISS YOUR PRESENTATION TIME.** Arrive at least 20 minutes before your scheduled time. We might reorder presentations if one of the groups misses their time slot.
 - I MUST HAVE YOUR PRESENTATION IN **POWERPOINT2000** FORMAT BY **NOON** OF THE DAY YOU ARE PRESENTING (email preferred, CD-R, USB drive are other options, but still subject to 12:00 pm constraint).
 - **There will be NO other options for presentation of your materials.**

Course/Deliverables Philosophy As it should be...



Course/Deliverables Philosophy

As it tends to be...

