Tentative Fall Schedule Capstone Design – 1st Semester (2005-06)

Bold type indicates course deliverable/assignment due

(Updated 9/1/05)

Tues, August 23th  
Course Overview and Expectations

Thurs, August 25th  
Design Process

**Design Team Placement Questionnaire Due**

Tues, August 30th  
Student Survey Results

Engineering Logbooks

Thurs, September 1st  
Engineering Ethics

Topics in Professional Practice

Tues, September 6th  
Assessment Process

Thurs, September 8th  
Capstone Project Options

**ABET Ethics/Professionalism Assessment Due**

Tues, September 13th  
Capstone Project Options

ME 426 Showcase (senior design suite)

Thurs, September 15th  
Best Practices for Phase 0 – Project Scoping

**Project Preference Forms Due**

**Logbooks Due**

Tues, September 20th  
Design Team Assignments (senior design suite)

Team Charter & Name

Schedule Client Interview

Tues, September 27th  
**Initial Project Summary Due**

Elective Workshops (one member attends each)

Project Management

Project Research/Mindworks

Web Page Design

Thurs, September 29th  
Best Practices for Phase 1 – Problem Definition
Tues, October 4th  \hspace{1cm} \textbf{Logbooks Due (no class)}

Tues, October 11th  \hspace{1cm} \textbf{Best Practices for Phase 2 – Conceptual Design}
\hspace{1cm} \textbf{Snapshot Day Expectations}

Thurs, October 13th  \hspace{1cm} \textbf{Problem Definition Snapshot (design suite)}
\hspace{1cm} \textbf{Initial Project Web Page on-line}

Tues, October 18th  \hspace{1cm} \textbf{Optional Workshops}
\hspace{1cm} \textbf{Axiomatic Design}
\hspace{1cm} \textbf{Solid Modeling Refresher}
\hspace{1cm} \textbf{Circuit Design}

Tues, October 25th  \hspace{1cm} \textbf{Best Practices for Phase 3 – System Integration}
\hspace{1cm} \textbf{Logbooks Due}

Thurs, October 27th  \hspace{1cm} \textbf{Optional Workshops}
\hspace{1cm} \textbf{DFMEA}
\hspace{1cm} \textbf{MicroController Selection/Design}
\hspace{1cm} \textbf{Solid Modeling Refresher}

Tues, November 15th  \hspace{1cm} \textbf{Best Practices for Phase 4 – Detail Design}
\hspace{1cm} \textbf{Logbooks Due}

Friday, November 18th  \hspace{1cm} \textbf{Design Reviews Complete/Approved}
\hspace{1cm} \textbf{Web Pages Updated}

Tues, Nov 29th  \hspace{1cm} \textbf{Report Writing Workshop}

Tues, December 6th  \hspace{1cm} \textbf{End of Semester Snapshot Day (design suite)}

Thurs, December 8th  \hspace{1cm} \textbf{Course Review/ Assessment}

Friday, December 9th  \hspace{1cm} \textbf{Semester Deliverables Due}
\hspace{1cm} \textbf{Customer & Instructor Approved Solution,}
\hspace{1cm} \textbf{Bill of Materials Approved for Purchase,}
\hspace{1cm} \textbf{Design Proposal, Project Web Page,}
\hspace{1cm} \textbf{and Logbooks}

Course Schedule 9-1-05