

UNIVERSITY OF MINNESOTA

MECHANICAL ENGINEERING GRADUATE SEMINARS

ME/IE 8773/8774

Course Syllabus — Spring Semester 2006

January 17 – May 13, 2006

Wednesday, 3:30-5:00 p.m.*

Course Coordinator: Prof. Joachim V.R. Heberlein

Office: Room 2101F ME; Phone: 612-625-4538

Fax: 612-625-4344; E-mail: jvrh@me.umn.edu

WEB: <http://www.me.umn.edu/courses/me8773>

**Change of day, time, and/or meeting room*

The Mechanical Engineering Department Seminar consists of four separate seminar series:

1. The **Main Seminar** series of the Department consisting of four lectures on the topic of “**Nanotechnology.**” These lectures are held once a month usually in the **EECS 3-180** seminar room. All graduate students are invited to attend, and all students taking the seminar for credit are expected to attend.
2. There will be three additional **Seminar** series, each addressing a topic of interest to one of the ME Department’s research areas. Each of these series consists of three or four seminars, and the lectures will be held on average once a month in the Department seminar room **1130 ME**. All graduate students are invited, and every student taking the ME/IE seminar for credit is expected to attend at least two of these series. *Special seminar presentations this semester are: The Donaldson Company Lecture Series, Tuesday and Wednesday, February 21-22, 2005, ME 8800 on Plasma Materials Processing, March 20-23, 2005, and the 5th ME Founders Lecture on April 12, 2006.* The topics for Spring Semester 2006 are:
 - “**Transportation**” for the Design & Manufacturing Series,
 - “**Plasma Technology**” for the Thermodynamics and Heat Transfer Series, and
 - “**Topics in Industrial & Systems Engineering**” for the Industrial and Systems Engineering Series.

To receive credit for the ME Seminar series, students should

- a. Attend **ALL** lectures of the Main Seminar Series and **ALL** lectures of at least two Seminar series,
- b. Submit one summary report (two to three pages in length) for the four lectures of the Main Seminar series, and
- c. Submit one summary report (two to three pages in length) for the three or four lectures of one of the Seminar Series.

The summary reports should contain:

1. A brief description of the speakers, i.e. where they are from and what they are involved in.
2. The major points of each lecture.
3. Common conclusions or differences between the lectures. This point can include your personal opinion on the presentations on this topic.

The two summary reports must be turned in to the seminar coordinator by the first day of finals week. The reports will be reviewed for correct English and for correct factual content, and unsatisfactory reports will have to be rewritten. University policies for plagiarism apply.

We plan to have refreshments served at 3:15 p.m. before each seminar as well as having informal discussions following each seminar. Both of these will be in the room where the seminar takes place.

Attachments – Seminar Schedule for Spring Semester 2006

Samples of two summary reports