

University of Kentucky
Chemical and Materials Engineering Department

CME 780-002 Graduate Research
Spring 2004
Syllabus

Instructor

Dr. Stephen Rankin
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Purpose

This course provides an opportunity for first-year graduate students to begin their research. The course will be coordinated by Dr. Rankin, but the research will be directed by each student's advisor. Because this is a 3-credit course, students should anticipate spending at least 10 hours per week in a combination of literature and laboratory research.

Requirements

The research planning and progress will be evaluated on the basis of the following. All written assignments should be turned in to Dr. Rankin at his office or in his mailbox.

Initial report - A one-page document outlining the goals of your research, and with your advisor's signature, is due at 5:00 pm on Friday, January 30.

Weekly reports - Beginning February 6 and every week throughout the semester, weekly progress reports are due by 5:00 pm on Fridays. These reports should address progress towards the prior week's goals, key results, and goals for the coming week. They should not exceed one page in length. You should discuss the report with your advisor and obtain her or his signature.

Monthly reports - Monthly progress reports are due on February 27 at 5:00 pm and March 26 at 5:00 pm. The monthly reports should not exceed two pages including tables, figures and references. Dr. Rankin will grade and return these reports within one week.

Final written report - A final written report on the semester's research will be due at 5:00 pm on Friday, April 23. It should not exceed 20 pages including tables, figures and references. It should be written in the format of a journal article with consistent citation and bibliography style. Your research advisor may edit the report before you submit it. The written report will be graded by Dr. Rankin and the student's research advisor.

Final oral presentation - A presentation on the semester's work will be given during finals week. The schedule for presentations will be announced later. The presentation should not exceed 25 minutes (excluding questions). The presentation will be graded by 2-3 non-advising faculty members. Please submit your final examination schedule to Dr. Rankin on Friday, January 30.

Grading

Weekly and monthly progress reports:	10%
Written report:	40%
Oral presentation:	50%