1. MME 4195 Senior Professional Orientation

2. 1 credit & 1 hour per week

3. Stephen W. Stafford

4. No textbook required

5. Specific course information
   a. Introduction to the engineering profession with emphasis on job placement, professional ethics & the engineering field exam.
   b. Senior standing
   c. Required course

6. Specific goals for the course
   a. Learning outcomes
      • Write an effective cover letter & resume
      • Write professional correspondence
      • Understand how to acquire employment via Career Services, career fairs, internet & networking
      • Understand the requirements & opportunities in continuing and post-graduate education
      • Understand the issues associated with transitioning from college to the professional world
      • Understand the process & requirements of professional engineering licensing
      • Understand some of the various engineering ethic issues presented in case studies in the class & be able to discuss them in an open forum
      • Understand the fundamental financial planning strategies to achieve financial security
      • Write a critique of the MMBME Department based on your educational experiences
   b. Student outcomes addressed by the course
      • an ability to communicate effectively with a range of audiences
      • an ability to recognize ethical & professional responsibilities in engineering situations & make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental & societal contexts
      • an ability to function effectively on a team whose members together provide leadership, create a collaborative & inclusive environment, establish goals, plan tasks & meet objectives

7. Brief list of topics to be covered
   • Cover letters & professional correspondence, resumes, & portfolios
   • Career opportunities & how to obtain employment
   • Graduate & continuing education
• Professional licensing
• Survival in the “real world”
• Engineering ethics case studies
• Financial planning & security
• Program review & department critique