ENGR 381—ESP SEMINAR
FALL 2007
Preliminary Syllabus—28 August 2007
Revised—10 September 2007

Section 201--Wednesday, 1:50 – 2:40 119A Zachry
Section 202--Wednesday, 3:00 – 3:50 119A Zachry

Instructor: Ray W. James, P.E., Ph.D., 204 Zachry, 845-7265, r-james@tamu.edu
Grading: Satisfactory/Unsatisfactory, based on criteria below.
Participation by enrolled students will require the following:
Minimum of 5 activities of the following types:
(1) attendance at 681 or 481 seminars in student’s degree program
(2) attendance at 681 or 481 seminars in areas of interest outside of student’s degree program
(3) individual meetings with faculty researchers to explore specific research areas
Plus: Preparation of proposal to participate in research project in an area of your interest.
Grade based upon completion of the 5 requirements, your presentation, your research proposal and attendance—must attend all classes unless prior arrangements are made with your ESP coordinator or Dr. James.

If you believe you have a disability requiring an accommodation, please contact the Office of Support Services for Students with Disabilities in Koldus-126.

Schedule
Aug. 29 Orientation       Dr. Ray James
Sept. 5  Meet Departmental ESP Coordinators, requirements, set up graduate mtgs.
         All coordinators meet with ESP students for overview and guidelines for the remainder of the semester.
Sept. 12 Abstracts and research proposals      Ms. Diane Hurtado
Sept. 19 Rhodes scholarships & other opportunities Kyle Mox
Friday, Sept. 21 (6:00 pm: meetings with graduate students, faculty researchers in Zachry Lobby. Meal provided)
Sept. 26 Graduate Studies Orientation      Dr. N. K. Anand
Oct. 3
Oct. 2-5  [possible lunch meetings with graduate students, faculty researchers--tentative…]
Oct. 10 no formal meeting
Oct. 17 no formal meeting
Oct. 24 no formal meeting
Oct. 31 Draft proposals returned to students by Departmental ESP Coordinators
Nov. 7  Final Proposal and report due to Departmental ESP Coordinators
Nov. 7 and Nov 14
Student Presentations to ESP coordinator and other students. Designated Coordinator should arrange for a meeting room and schedule the presentations. Each student makes a ~10 minute presentation and listens to 7-10 presentations in 2 one-hour sessions. Professional attire is encouraged.)

Sec. 201 Group A: MEEN=10 students [Dr. Lalk in charge]
Sec. 201 Group B: CVEN (4) + MEEN overflow (4) =8 students [Dr. Burris in charge]
Sec. 201 Group C: BMEN (7) + CHEN (2)=9 students [Dr. Meisner in charge]
Sec. 201 Group D: AERO (7)+ELEN (2) +CPSC(1) +CECN(1)=11 students [Ms. Shryock in charge]
Sec. 202 Group E: BMEN(7)+INEN(2)=9 students [Dr. Meisner in charge]
Sec. 202 Group F: CHEN(7)+PETE(4)=11 students [Dr. Glover in charge]
Sec. 202 Group G: ELEN(6)+CECN(1)+CVEN(2)=9 students [Dr. Enjeti in charge]
Sec. 202 Group H: MEEN(5)+NUEN(3)+AERO(1)=9 students [Dr. Lalk in charge]
Nov. 21 Discuss 485H procedure; Evaluation and closure Dr. Ray James
Each student will write a one paragraph summary of each activity, these summaries will be turned into student’s ESP Coordinator prior to the last day of the semester. Total number of activities should be at least 5, including seminars in the student’s degree program, seminars outside of the student’s degree program and individual faculty meetings. Scheduling of the visits with faculty and seminars will be handled by each student.

Each student will be required to submit a research proposal. Proposals should consist of not more than ten pages double-spaced including cover, text, drawings, references, endorsements, schedule, etc. The document is your proposal to a faculty researcher (usually drafted with his input), describing the problem you have identified to work on, some background (a summary of previous work related to this problem), your approach and your expectations. If research funds are needed, you should provide a brief budget with estimated costs.

Each student will give a (7 minute + 2 minutes questions) technical presentation. A final copy is to be submitted to the designated ESP Coordinator on the day of the presentation. On the days of presentations, class may be extended to accommodate the presentations. Also during this time the presentations will be evaluated by the ESP Coordinators. The presentation is a PowerPoint assisted presentation of the highlights of your proposal, presented as if to a committee who will be deciding whether to authorize and/or fund your proposal. Probably you should highlight the importance of the problem (the benefits of having a workable solution), the current state of knowledge about the problem, the methodology you propose to apply in your study, and the required funding, if any is needed.

**ESP Department Coordinators**

<table>
<thead>
<tr>
<th>Department / Program</th>
<th>Coordinator / Web Site Address</th>
<th>Email Address</th>
<th>Phone area code 979</th>
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</thead>
<tbody>
<tr>
<td>AERO - Aerospace Engr.</td>
<td>Ms. Kristi Shryock</td>
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