ENGR 281—ESP SEMINAR—Spring 2005
Ray W. James, P.E., Ph.D.
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Sec. 201 meets Tuesday and Thursday, 10:00 AM – 10:50 AM  104B Zachry
Sec. 202 meets Tuesday and Thursday, 11:10 AM – 12:00 Noon  104B Zachry
Class will meet approximately 15 times as announced in class and posted on Course Webpage (URL above).
Students are expected to attend presentations and participate in occasional luncheons and meetings with guest
speakers outside of class.

ENGR 281—Engineering Scholars Program Seminar I. (1-0).  Credit 1. II Survey of interdisciplinary topics
related to the professional practice of engineering; seminars with practicing professionals in industry and
government. To be taken on a Satisfactory/Unsatisfactory basis. Prerequisites: Engineering Scholars Program
membership; sophomore classification.

Schedule (In progress): (Dates are Tuesdays, unless otherwise noted)

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>18 Jan</td>
<td>Orientation--Meet Departmental ESP Coordinators, review ESP requirements.</td>
<td>Dr. Ray James, P.E.</td>
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<tr>
<td>25 Jan</td>
<td>Career opportunities at National Laboratories</td>
<td>Dr. J. Stephen Rottler ’83, Sandia National Laboratory</td>
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<td>1 Feb</td>
<td>Entrepreneurship and the small business owner/engineer</td>
<td>Dr. Joe Fowler, P.E. ’69, Stress Engineering, Inc.</td>
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<tr>
<td>8 Feb</td>
<td>International Engineering Education—Study Abroad</td>
<td>Dr. Ray W. James, P.E.</td>
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<tr>
<td>15 Feb</td>
<td>Why 20% of the Fortune 500 CEOs have an Engineering Degree</td>
<td>Mr. Tim Dehne, National Instruments, Inc.</td>
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<td>22 Feb</td>
<td>Special legal issues facing engineers in their practice and opportunities for engineers in the practice of law</td>
<td>Mr. Kerry Williams, P.E. ’68, Chamberlain, Hrdlicka, White, Williams &amp; Martin</td>
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<td>1 Mar</td>
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<tr>
<td>8 Mar</td>
<td>International Project Management</td>
<td>Mr. Mark Puckett ’73, ChevronTexaco Energy Technology Co.</td>
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<td>15 Mar</td>
<td>(spring break, no classes)</td>
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<td>22 Mar</td>
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<td>29 Mar</td>
<td>Leadership 101</td>
<td>LG John A. Van Alstyne ’66, Texas A&amp;M University</td>
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<td>5 Apr</td>
<td>Ten useful things they don’t teach you in engineering school</td>
<td>Ms. Catherine Sliva ’80, BlackRock Energy Capital, Ltd.</td>
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<td>12 Apr</td>
<td>Project Management for Engineers (no lunch this date)</td>
<td>Dr. Kenneth F. Reinschmidt, P.E., Professor, Dept. of Civil Engineering</td>
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<td>19 Apr</td>
<td>Title pending</td>
<td>Mr. Mark Albers, P.E. ’79, ExxonMobil Development Co.</td>
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<tr>
<td>26 Apr</td>
<td>Reflections on a career in computer science and the story of C++</td>
<td>Dr. Bjarne Stroustrup, Professor, Dept. of Computer Science</td>
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<td>3 May</td>
<td>(dead day, Friday classes meet)</td>
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Grading (Course is taken S/U):
Attendance & Participation  80%
Occasional writing assignments  20%
If you believe you have a disability requiring an accommodation, please contact the Office of
Support Services for Students with Disabilities in Koldus-126.
**Background/contact Information for Speakers in Spring 2005:**

Mark W. Albers, P.E. ’79 (BS, Petroleum Engineering, TAMU)  
President, ExxonMobil Development Co.  
31 Chancey Place  
The Woodlands, TX 77381  
DEV-GP5-1802  
(281) 654-4011; Fax (281)654-4004  
linda.smith@exxonmobil.com

Tim Dehne (BS, Rice Univ., Electrical Engineering)  
Sr. Vice President--R&D, National Instruments  
Austin, TX  
http://www.ni.com/company/dehne.htm

Dr. Joe Fowler, P.E. ’68 (BS, MS, PhD in Mechanical Engineering)  
President and Co-Founder, Stress Engineering Services, Inc.  
13800 Westfair East Dr.  
Houston, TX 77041  
http://www.stress.com  

Mark Puckett ’73 (BS, Civil Engineering)  
President, ChevronTexaco Energy Technology Company  
Bellaire, TX  

Dr. Kenneth F. Reinschmidt  
Professor of Civil Engineering  
J. L. Frank/Marathon Ashland Petroleum LLC Chair in Engineering Project Management  
Texas A&M University  
kreinschmidt@civil.tamu.edu

Dr. Steve Rottler ’83 (BS, MS, PhD in Nuclear Engineering)  
Director, NM Weapon Systems Engineering Center  
Sandia National Laboratories  
P.O. Box 5800, MS 0458  
Albuquerque, NM 87185-0458  
http://www.sandia.gov/about/index.html

Ms. Catherine L. Sliva, P.E. ’80 (BS Petroleum Engineering)  
Partner, BlackRock Energy Capital, Ltd.  
20445 State Highway 249  
3 Chasewood Park, Suite 160  
Houston, Texas 77070  
WWW.BLACKROCKENERGY.COM

Dr. Bjarne Stroustrup  
Professor, Computer Science Department  
Texas A&M University  
(developer of the C language)  
http://www.stroustrup.com/

LG John A. Van Alstyne’66  
Commandant of Cadets and Head, School of Military Sciences  
Texas A&M University  
http://www.aggiecorps.org/home/default.aspx

Kerry C. Williams, P.E. ’68 (BS, Civil Engineering; MS Aero; MS Civil; JD; LLM)  
Chamberlain, Hrdlicka, White, Williams & Martin  
Two Allen Center  
1200 Smith Street, Suite 1400  
Houston, Texas 77002  
http://www.kerry-williams.com/legallinks.html