ENGR 281--ESP SEMINAR—Spring 2008
Ray W. James, P.E., Ph.D.
Office: 204 Zachry—(979) 845-7265
r-james@tamu.edu
http://ceprofs.tamu.edu/rjames/

Sec. 201 meets Friday 9:10 AM -10:00 AM ZACH 223A
Sec. 202 meets Friday 10:20 AM – 11:10 AM ZACH 223A

Students are expected to attend all class meetings 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 (see course webpage for detailed schedule and speakers)

<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. College of Engineering, TAMU</td>
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<td>25 Jan</td>
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<td>7 Mar</td>
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<td>14 Mar</td>
<td>(spring break, no classes)</td>
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<td>21 Mar</td>
<td>(reading day, no classes)</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 2008:

Mr. Douglas Baldwin  
Asst. Gen. Counsel (retired)  
Shell Oil Co.  
College Station, TX

Mr. M. Alan Brewer, MBA  
Assistant Director – Atherosclerosis Research Laboratory  
Texas Heart Institute  
Houston, TX  
http://www.texasheartinstitute.org/  
http://biotech.uth.tmc.edu/index.php?option=com_content&task=view&id=54&Itemid=102

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  

Ms. Janeen Judah  
President  
Chevron Environmental Management Co.  
Houston, Texas

Dr. Steve Rottler  
Vice-President of Weapon Engineering and Product Realization (chief engineer for nuclear weapons)  
Sandia National Laboratories  
PO Box 5800  
Albuquerque, NM 87185  
http://www.sandia.gov/about/index.html

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

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

LG John A. VanAlstyne’66 (BS Marketing, MS Military Science, MA National Security and Strategic Studies) (pending)  
Commandant of Cadets and Head, School of Military Sciences  
Texas A&M University  
http://www.aggiecorps.org/home/default.aspx

Mr. Clay W. Vaughn '80 (BS Mechanical Engineering)  
Vice-President, Construction  
ExxonMobil Development Co.  
17001 Northchase Dr.  
Houston, TX 77060  
281-654-8102  
www2.exxonmobil.com/corporate/files/corporate/Lehman_slides.pdf