Introduction to Engineering, Computer Science, and Technology
CHEG 1011, COMP 1011, CPET 1011, CVEG 1011, ELEG 1011, ELET 1011, MCEG 1011

Tentative Spring Semester 2010

Instructors:  Dr. Sherri Frizell  Dr. Charles Tolliver  Dr. Alice Pendleton
            ssfrizell@pvamu.edu  ctolliver@pvamu.edu  ampendleton@pvamu.edu
            Dr. Yonghui Wang  Dr. Felecia M. Nave  Mr. Ramesh Dwivedi
            yowang@pvamu.edu  fmnave@pvamu.edu  rcdwivedi@pvamu.edu
            Dr. Judy Perkins
            juperkins@pvamu.edu

Course Description:  Introduction to basic engineering, computer science and technology concepts. Students will become aware of the various disciplines of engineering, computer science and technology, ethical and professional responsibilities in these fields, creativity and design.

Course Objectives:  This course focuses on familiarizing new College of Engineering students to engineering as a discipline in general. This course will develop the student’s knowledge base to prepare them in becoming successful engineers, computer scientists or technologists in their chosen professions.

Required Text(s):  Engineering Success, Peter Schiavone, 3rd Edition, Pearson Prentice Hall

Reference Sites
Online Ethics Center: Background Concepts for Teaching Engineering
http://www.onlineethics.org/

Tentative Course Topics:
Class introduction, Course Syllabus, Structure of COE:  Instructor - Dr. Nave
Focus on Catalog Issues & Strategies for Success (Chapter 1):  Instructor - Dr. Nave
Communication Skills* (Chapter 9):  Instructor - Dr. Wang
The Role of the University (Chapter 3):  Instructor – Mr. Dwivedi
Learning in the University Environment (Chapter 4):  Instructor – Dr. Frizell
Maximizing Academic Performance (Chapter 5):  Instructor – Dr. Pendleton
Engineering ethics and professionalism:  Instructor- Dr. Nave
Midterm Exams (administered by Dr. Nave)

Engineering ethics and professionalism continued*: Instructor – Dr. Nave
Continual Education (Chapter 10):  Instructor – Dr. Perkins

Spring Break
Intro to Civil & Environmental Engr - Dr. Perkins
Intro to Mechanical Engr - Dr. Pendleton
Intro to Electrical & Computer Engr - Dt. Ali
Intro to Computer Science– Dr. Frizell
Intro to Engineering Technology--Dr. Wang
Intro to Chemical Engr - Dr. Nave
Final Exam Review Days: **Instructor – Dr. Nave**

University’s Final Exam Schedule

* notes Key Assignment

**Course Requirements:**

**Attendance** – Attendance in this class required. There will be guest speakers for every class and it is important that class starts on time and proceeds with minimal interruptions. The student will be required to sign-in at the beginning of every class. Points will be deducted from the student’s final course grade for both absences and late arrivals. Two points will be deducted for every absence (after the first unexcused absence); one point will be deducted for late arrivals (ten minutes pass the hour). **Attendance is worth 10% of the student’s overall grade.**

**Participation / Assignments** – Several out-of-class assignments will be given during this course. The purpose of these assignments is to allow the student to gain further insight into the concepts discussed in the course. No late assignments will be accepted. **Participation/Assignments is worth 20% of the student’s overall grade. ALL ASSIGNMENTS MUST BE SUBMITTED THROUGH THE TRUEOUTCOMES SYSTEM.**

**Key Assignments** – During the semester two assignments will be designated as key assignments. In order to pass this class the student must submit all key assignments. If any key assignment is not submitted, the student will not pass the class even if the student scores perfectly on all exams and other assignments. Assignments topics that will be used for key assignments are distinguishable by the italic and bold text outlined in the tentative course topic schedule above. Late key assignments will be accepted for class passing purposes, but any late key assignment will be assigned a grade of zero. Key assignments are due one (1) week from being announced. These assignments are to be submitted through the trueoutcomes system unless other arraignments are announced. **The key assignments, taken together, will be worth 25% of the student’s overall grade. ALL KEY ASSIGNMENTS MUST BE SUBMITTED THROUGH THE TRUEOUTCOMES SYSTEM.**

**Examinations** – There will be a midterm and a final given during this course. There will be no make-up examinations without an university approved excuse. The student must take all tests at their scheduled times. **The midterm will count 20% towards the student’s overall grade and the final will account for 25% of the student’s overall grade.**

**Grading Scale:** Course grades will be earned based on the following criteria: A = 90% and above, B = 80% - 89%, C = 70% - 79%, D = 60% - 69%, F = 0% - 59%

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<thead>
<tr>
<th>Graded Element</th>
<th>Weighted Percent</th>
<th>Actual Percent Earned for Course</th>
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<tbody>
<tr>
<td>Attendance</td>
<td>10%</td>
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<tr>
<td>Participation/Assignments</td>
<td>20%</td>
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<tr>
<td>Key Assignments</td>
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<tr>
<td>Mid-Term</td>
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<tr>
<td>Final Exam</td>
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Course Assessment
Course ABET Objectives
The course is designed to incorporate continuous assessment of students using homework, key assignments and exams to evaluate competence in ABET 2008 a-k outcomes. Outcomes are outlined below:

Engineering
Outcome f: An understanding of professional and ethical responsibility.
Outcome g: An ability to communicate effectively.

Computer Science
Outcome e: An understanding of professional and ethical responsibility.
Outcome f: An ability to communicate effectively.

Technology
Outcome g: An understanding of professional and ethical responsibility.
Outcome i: An ability to communicate effectively.

University Policies:
Student Evaluation of Teaching: Each student will be asked to complete feedback forms at the end of the semester concerning this course. Online Student Opinion Surveys (SOS) will be available for students to provide feedback and an evaluation of the course. Student’s are strongly encouraged to complete the online survey.

Disability statement (See Student Handbook):
Students with disabilities, including learning disabilities, who wish to request accommodations in class should register with the Services for Students with Disabilities (SSD) early in the semester so that appropriate arrangements may be made. In accordance with federal laws, a student requesting special accommodations must provide documentation of their disability to the SSD coordinator.

Academic misconduct (See Student Handbook):
You are expected to practice academic honesty in every aspect of this course and all other courses. Make sure you are familiar with your Student Handbook, especially the section on academic misconduct. Students who engage in academic misconduct are subject to university disciplinary procedures.

Forms of academic dishonesty:
1. Cheating: deception in which a student misrepresents that he/she has mastered information on an academic exercise that he/she has not mastered; giving or receiving aid unauthorized by the instructor on assignments or examinations.

2. Academic misconduct: tampering with grades or taking part in obtaining or distributing any part of a
3. Fabrication: use of invented information or falsified research.

4. Plagiarism: unacknowledged quotation and/or paraphrase of someone else’s words, ideas, or data as one’s own in work submitted for credit. Failure to identify information or essays from the Internet and submitting them as one’s own work also constitutes plagiarism.

Nonacademic misconduct (See Student Handbook)
The university respects the rights of instructors to teach and students to learn. Maintenance of these rights requires campus conditions that do not impede their exercise. Campus behavior that interferes with either (1) the instructor’s ability to conduct the class, (2) the inability of other students to profit from the instructional program, or (3) campus behavior that interferes with the rights of others will not be tolerated. An individual engaging in such disruptive behavior may be subject to disciplinary action. Such incidents will be adjudicated by the Dean of Students under nonacademic procedures.

Sexual misconduct (See Student Handbook):
Sexual harassment of students and employers at Prairie View A&M University is unacceptable and will not be tolerated. Any member of the university community violating this policy will be subject to disciplinary action.

Attendance Policy:
Prairie View A&M University requires regular class attendance. Excessive absences will result in lowered grades. Excessive absenteeism, whether excused or unexcused, may result in a student’s course grade being reduced or in assignment of a grade of “F”. Absences are accumulated beginning with the first day of class.

Student Academic Appeals Process
Authority and responsibility for assigning grades to students rests with the faculty. However, in those instances where students believe that miscommunication, errors, or unfairness of any kind may have adversely affected the instructor's assessment of their academic performance, the student has a right to appeal by the procedure listed in the Undergraduate Catalog and by doing so within thirty days of receiving the grade or experiencing any other problematic academic event that prompted the complaint.
**Inclement Weather Policy.** In the event that weather or other conditions are such that normal campus operations could be impeded the following policy will apply for this class. If the University is closed class will not meet. Any assignments due or examinations scheduled will be due or rescheduled to the very next class period that the class meets. Local media will announce any closings.

**Student Success.** PVAMU supports a variety of student success programs to help the student connect with the university and achieve academic success. They include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally, or socially should contact the Office of Student Affairs. Several resources are available to the student to assist with academic and professional success. Students are encouraged to utilized services that are offered by the University and the Roy G. Perry College of Engineering. These services include but is not a complete listing: tutoring in the library and university college, writing center, tutoring offered by the College of Arts & Sciences, supplemental instruction offered by the College of Engineering, faculty office hours, and student organizations.

**Email to Faculty.** To contact a faculty member, use the email address shown on the top of the syllabus. Use as the “subject line”: (ELEG 1011 or MCEG 1011, etc.), put the student’s name inside the email message, start with the main point / question of the message. Emails from outside the PVAMU domain are subject to being treated as Spam by the server and deleted.

**Student Conduct.** The following student academic and behavior expectations are enforced in this course to ensure that we are able to provide a learning environment that is conducive to academic success and the development of professional engineering, computer scientist, and technologist. Students who violate the student expectations listed below may be asked to leave the class.

   **Student Expectations:**

   1. Students are required to purchase textbook for course.
   2. Students are expected to come to class On Time, prepared with all materials needed for learning.
   3. Students are expected to Read and Complete ALL assignments.
   4. Students are expected to conduct themselves in a respectable manner at all times.
   5. No Hats, do-rags, or scarves is allowed to be worn on students head during the class.
   6. Students are Not Allowed to Sleep during class.
   7. No Sagging Pants or Revealing Attire are allowed to be worn during class.
   8. **CELL PHONES ARE TO BE TURNED OFF DURING CLASS. IF A STUDENT IS OBSERVED TO HAVE A CELLPHONE ON DURING AN EXAM, THE EXAM MAY BE CONFISCATED AND A GRADE OF ZERO WILL BE ASSIGNED.**
   9. Students are not allowed to leave the class during an exam.

   **Notice:** The instructors reserve the right to make changes to the course syllabus as necessary. It is the student’s responsibility to keep up with changes to the syllabus as posted in the class.

   **Logging on to True Outcomes**

   1. Retrieve your username (same as email username) and password for the TrueOutcomes System.
2. Go to PVAMU homepage (www.pvamu.edu).

3. Click on online services.

4. Click on TrueOutcomes

5. Input username and password.

6. Upload Assignment.

If you have any problems, please dial 936-261-2525 or email support@trueoutcomes.com. Also, please contact your designated instructor.