Syllabus Engr110 – Engineering Orientation

Instructor:
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Academic Counselor:
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Office: SAM 117

Course Information:
Credit: 1, no numerical grade: pass/fail
Meets: Mondays, 3-4:10pm
Location: SAM 205

Textbook (recommended, not required):
Studying Engineering: A Roadmap to a Rewarding Career (Paperback), by Ray Landis,
Discovery Press; 3rd edition (April 1, 2007), available in the bookstore

Course Objectives:
1. Learn about engineering profession. What does an engineer do all day?
2. Understand general and specific requirements for transfer to a 4-year college engineering program.
3. Develop a pre-engineering academic plan for SCCC.
4. Project skills: design, build and race your own Pinewood Derby Race Car
5. Find out opportunities for pre-engineering students at SCCC.

Class Outline:
Please check the class website at:
http://seattlecentral.edu/faculty/rheller/
for details on what happens each week. We will soon add to the calendar that will list our weekly activities.

Assessment:
* Participation: Required - You may miss no more than two class sessions to pass the class. If you need to miss additional sessions you MUST contact us. Please email me to let me know that you will be absent.
* Pinewood Derby Race Car Project: Required - I expect that you will design, build and race your own Pinewood Derby Race Car. There will be a final race near the end of the quarter. There might also be a preliminary race. Dates will be posted on the website. Details will be announced very soon.
* Pre-Engineering Academic Plan:  **Required** – Find out what courses you should take while you are at Seattle Central Community College and when you should take those courses. Develop a timeline for transferring to a four-year school. During the course we will provide you with information that will help you to make this plan. Please make an individual appointment with Steve in Room SAM117 sometime during the quarter to create a long-term academic plan. The plan must be completed and turned in **before** the last meeting.

* UW Transfer Thursday:  **Strongly Recommended** – You are expected to attend a UW transfer Thursday event. These are held weekly by Undergraduate Advising at the Gateway Center and will help you with questions on transferring to a four-year college. If you intend to transfer to some other institution you may attend a similar event at that institution but you will have to discuss this with us first. Links with more info are posted on the course website.

**Special Needs:**
Americans with Disabilities Act:  Students with documented disabilities who need course accommodations, have medical information or require special arrangements for building evacuation should contact the instructor within the first two days of class.

**For Winter 2011 only:**

**Required** This quarter we will participate in an intercollegiate Pinewood Derby Race at Highline Community College. The race will be held Thursday, Feb 24, at 3pm. Details will be announced in class.

**Required** The Puget Sound Engineering Council will hold a Mentor Night at Seattle Central this quarter. This is a fantastic opportunity for you to learn about the engineering profession. You will be required to participate. Details will be announced in class. Date: Mar 3 (Thursday). Time: to be announced.

**Note:**
We reserve the right to make changes to this syllabus.