

**COURSE:** Engineering 214  
Statics

**TIME:** MTWTH 8:30-9:20AM

**ROOM:** 2517

**INSTRUCTOR:** Eleanor (Ellie) Christensen  
5305 Foss Building  
Tel: 206 - 546 - 4504  
E-mail: [echriste@shoreline.edu](mailto:echriste@shoreline.edu)  
Web site: <http://www.shoreline.edu/echristensen>

**OFFICE HOURS:** M TH 12:00 - 1:00PM  
T W 12:00 - 1:30PM

**TEXT:** Engineering Mechanics--Statics, Hibbler (11th ed.)

**COURSE DESCRIPTION:** Statics is a branch of mechanics that deals with the analyzing of forces acting upon bodies at rest or moving with a constant velocity. Topics include basic concepts, resultants, force-couple relationships, equilibrium analysis, three-dimensional structures, two dimensional frames, trusses, beams and friction.

**PREREQUISITES:** Engr. 114, Engr. 115, Math 151 (concurrently) or instructor permission

**EQUIPMENT:**

- Two triangles (45° and a 30° - 60° - 90°)
- Engineer's Scale
- Engineering Paper
- Compass
- Protractor
- Calculator
- Report Folder---Problems only
- Journal—4x4 grid Mead or Quadrille Notebook (in bookstore)

**GRADES:** Decimal grades (4.0 - 0.7 and 0.0) will be assigned in the following manner:

Assigned Graded Problems	20%
Notebook (all assigned problems)	20%
Quizzes, including final	60%

Approximately two problems will be assigned daily. Randomly selected problems will be picked up and graded. Each problem will be worth 10 points. Problems will be graded for accuracy, proper format and neatness.

Assigned problems will be placed in a notebook in sequential order. Notebooks will be evaluated at the end of each chapter. Over-all assessment of your notebook is worth 10% of your grade.

**Quizzes:**

Testing will consist of announced and some unannounced quizzes every week. The final will be equivalent to a quiz. Your lowest quiz score will be discarded (except the final). No make-up quizzes.

**Journal:**

A journal is optional. The journal is an excellent place to write pertinent information. (Do not photocopy and paste in your journal.) Quizzes will be closed book, open journal. The journal must be the one listed in the equipment list.

**Optional grades:**

Any student who registers for this course and stops attending class will receive one of the following grades:

"V" For a student who does not officially withdraw from the class---- computed as a 0.0 GPA.

"Z" For a student who does satisfactory work prior to officially withdrawing from this class. No credit is received. Not used in computing GPA. A written request is required for this grade

"W" For a student who officially withdraws from the class.  
Deadline: May 11, 2009.

**PLAGIARISM  
& CHEATING**

Cheating is defined as the use of unauthorized help on tests or home work. Cheating or plagiarism will result in a "0" grade for each infraction. I encourage you to work together but please do not copy work!

**DISABILITY:**

Students with disabilities who believe that they may need accommodations in this class are encouraged to contact the Office of Special Services, FOSS building, room 5229, as soon as possible to ensure that such accommodations are implemented in a timely manner. OSS can also be reached at (206-546-4545).

**HOLIDAYS:**

May 25 (M)                      Memorial Day Holiday

**LAST DAY  
OF CLASS:**

June 8 (M)

**PREP DAY:**

June 9 (T)

**FINAL EXAM:**

June 10 (W)                      8:00- 10:00AM

