CMPS 160  Introduction to Computer Graphics  Fall 2008

- **Course:** Introduction to Computer Graphics
- **Time & Place:** MWF 9:30am-10:40am, E2-192
- **Lab/Discussion Sections:**
  - Tuesday 10:00am-11:45am, BE 105
  - Wednesday 5:00pm-7:00pm, BE 105
- **Instructor:** Dean Bailey; office: E2 249B; phone: 831-459-1339, e-mail: dbailey@soe.ucsc.edu
- **Teaching Assistant:** Ken Hullett, e-mail: khullet@soe.ucsc.edu
- **Office Hours:**
  - Bailey: Monday and Friday, 2:00pm-4:00pm, E2 249B.
  - Hullett: tbd
- **Prerequisites:** course 101 and Mathematics 21 or Applied Mathematics and Statistics 27. Concurrent enrollment in course 160L required. Enrollment limited to 35
- **Syllabus:** The following is a tentative syllabus for the course:
  - Introduction
  - Basic modeling, transformations and rendering
  - 2D primitives
  - 3D primitives
  - Line drawing
  - Curve modeling
  - Surface modeling
  - Projection
  - Hidden surface removal
  - Shading algorithms
  - Ray tracing
  - Animation
- **Evaluation:** The course work will be weighted as follows:
  - Midterm Examination 25%
  - Four in-class Quizzes 25%
  - Program Assignments 25%
  - Final Project 25%
  - N.B. Passing grades in all four parts are required to pass the course.
• **Examination and Quiz Schedule:**
  
  1. Final Project Presentations (will be scheduled)
  2. Midterm Examination on Friday, October 31
  3. Quizzes:
     - Quiz 1: Friday, October 10
     - Quiz 2: Friday, October 24
     - Quiz 3: Friday, November 14
     - Quiz 4: Friday, November 28

  The examination and quiz schedule is fixed. In particular, requests for changes in the schedule will not be accommodated; if you have conflicts with this schedule, please do not enroll in the class. Also, *no* time extension will be given for late arrivals on quiz day or examination day.

• **Academic Integrity:** No form of academic dishonesty will be tolerated. Incidents of academic dishonesty will be reported according to UCSC’s policy on academic integrity, the full text of which can be found at [http://oasas.ucsc.edu/avcui/integrity](http://oasas.ucsc.edu/avcui/integrity). Specifically for this class, if you are caught turning in work as your own, that is not solely your own, or assisting others in doing so, a formal written report will be sent to your Department, the School of Engineering, and to your Provost and academic preceptor. Furthermore you will get a failing grade for the course and the incident will be noted in your evaluation.

• **Miscellanea**
  
  – All homework assignments are to be handed in at the beginning of Class on due date.
  – Solutions to homework problems will be presented in the discussion sections or class. They will not be posted.
  – We will provide solutions to the problems in the quizzes and in the midterm examination, after the grading has been completed.
  – We will *not* distribute or post “sample” examination problems or “sample” quiz problems.