

<b>Syllabus for: 3D CAD Applications</b>																									
<b>Semester &amp; Year:</b>	Fall 2015																								
<b>Course ID and Section Number:</b>	DT50 (E8121)																								
<b>Number of Credits/Units:</b>	4 (3 hours lecture, 3 hours lab per week)																								
<b>Recommended Preparation</b>	None																								
<b>Prerequisite</b>	DT23 or ENGR23																								
<b>Day/Time:</b>	TTH 2:50 – 5:45																								
<b>Location:</b>	AT107																								
<b>Instructor's Name:</b>	Steve Brown																								
<b>Contact Information:</b>	Office location and hours: AT100 MW 12-1, TTH 1-2 Phone: 707-476-4347 Email: steve-brown@redwoods.edu																								
<b>Required Text</b>	None																								
<b>Required Materials</b>	1) Notebook & plastic sleeves to organize portfolio 2) USB device for backup																								
<b>Course Description</b> (as described in course outline): An intermediate level study of 3D modeling and presentation methods used in the design and drafting industry. Students will study the creation and application of wireframe, surface, solid, and parametric CAD models as well as design visualization techniques and rapid prototyping processes.																									
<b>Student Learning Outcomes</b> (as described in course outline): 1. Apply CAD software to create 3D CAD models and technical drawings using wireframe, surface, solid, and feature-based parametric techniques. 2. Utilize software processes to create photorealistic renderings of a 3D model. 3. Create physical prototypes of a design using rapid prototyping. 4. Prepare a professional portfolio.																									
<b>Methods of Evaluation:</b> The final grade you receive will be based on the following criteria: <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">55% Projects &amp; Quizzes</td> <td style="width: 20%;">Grade Scale:</td> <td style="width: 10%;">100% - 90%</td> <td style="width: 10%;">A</td> </tr> <tr> <td>5% Participation</td> <td></td> <td>89% - 80%</td> <td>B</td> </tr> <tr> <td>10% Portfolio</td> <td></td> <td>79% - 70%</td> <td>C</td> </tr> <tr> <td>10% Midterm</td> <td></td> <td>69% - 60%</td> <td>D</td> </tr> <tr> <td>10% Final</td> <td></td> <td>59% - 0%</td> <td>F</td> </tr> <tr> <td>10% Technical Presentation</td> <td></td> <td></td> <td></td> </tr> </table> <p>*Late work, for any reason, is penalized 20% and will not be accepted more than 2 class meetings after it is due. *Per CR policy, students with 4 absences prior to the end of the 10<sup>th</sup> week will be dropped from the course.</p>		55% Projects & Quizzes	Grade Scale:	100% - 90%	A	5% Participation		89% - 80%	B	10% Portfolio		79% - 70%	C	10% Midterm		69% - 60%	D	10% Final		59% - 0%	F	10% Technical Presentation			
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<b>Special accommodations:</b> College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact Disabled Students Programs and Services. Students may make requests for alternative media by contacting DSPS.																									

**Academic Misconduct:** Cheating, plagiarism, collusion, abuse of resource materials, computer misuse, fabrication or falsification, multiple submissions, complicity in academic misconduct, and/ or bearing false witness will not be tolerated. Violations will be dealt with according to the procedures and sanctions proscribed by the College of the Redwoods. Students caught plagiarizing or cheating on exams will receive an “F” in the course.

The student code of conduct is available on the College of the Redwoods website at:

<http://www.redwoods.edu/District/Board/New/Chapter5/Ap5500.pdf>

**Other Important Information:**

- The information in this document is subject to change, with notice, in the event of extenuating circumstances.
- The following items may be found on the MyCR site for this class:
  - ✓ Course calendar (includes assignment information)
  - ✓ Announcements
  - ✓ Online quizzes
  - ✓ Grade book
  - ✓ Resources such as reading assignments, handouts, and PowerPoints
- It is your responsibility to check MyCR frequently.
- The expectation is that you attend every class, on time, and stay for the duration of the class. If you are absent it is your responsibility to get the missed information from the instructor or another student. Make use of the instructor’s office hours to get missed information; there will not likely be time during class for the instructor to go over the missed instruction or assignment.
- In the event of an earthquake, take cover under your computer station and hold on to the desk. Once it is safe to leave the building, go to the nearest safety zone (ours is right behind the AT building). Do not go towards the cafeteria (high pressure gas line) or to the lower parking lot (tsunami danger).
- **SPILLPROOF WATER BOTTLES ARE ALLOWED IN THE LAB. NO OTHER FOOD OR DRINK IS PERMITTED AT THE COMPUTER WORKSTATIONS.**

College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.