Syllabus for: (name of class)
DT 71
Architectural Drafting Techniques

Semester & Year:	Spring,2013
Course ID and Section Number:	E2571 DT 71
Number of Credits/Units:	3
Day/Time: **Location:**	M,W 10:05- 12:30 AT 105
Instructor's Name:	Paul Kinsey
Contact Information:	Office location and hours: AT 124, Tues. 11:00 – 1:00 Phone: 476-4349 Email: paul-kinsey@redwoods.edu

Course Description (catalog description as described in course outline):
A study of drafting with an emphasis on the development of architectural plans. Students will create plan sets with consideration for aesthetics, methods of construction, building codes, and common industry practices. CAD architectural drafting techniques will be emphasized.

Student Learning Outcomes (as described in course outline) :

- ❑ Describe the drawings that compose a complete architectural plan set.
- ❑ Define common terminology associated with architectural drafting.
- ❑ Use CAD software to create 3D building information models (BIM) for residential design applications.
- ❑ Properly add dimensions, annotations, and schedules to a plan set.
- ❑ Correctly use CAD and BIM software to improve drafting productivity.
- ❑ Use the Internet to research design issues, access content (symbol families, manufacturers' spec.s, etc.) and collaborate with the instructor via the course website.

Special accommodations: 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

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.

College of the Redwoods
Drafting Technology Department Course Syllabus: DT 71
Architectural Drafting Techniques

Semester……	Spring, 2013
Course number……..……	E2571
Units……..…	3
Meeting times…….	M,W 10:05- 12:30
Classroom……	AT 105
Instructor……	Paul Kinsey
Office……	AT 124
Office hours……	Tues. 11:00 – 1:00
Phone……	476-4349(office), 476-4100 ext.4623 (const.tech lab in A.T. 109)
E-mail……	paul-kinsey@redwoods.edu

Course Description: A study of drafting with an emphasis on the development of architectural plans. Students will create plan sets with consideration for aesthetics, methods of construction, building codes, and common industry practices. CAD architectural drafting techniques will be emphasized.

Textbook: Jefferis, A. and Madsen, D. (2011). Architectural Drafting and Design. Clifton Park, N.Y.: Del Mar/Thomson Learning.

Materials: In addition to the texts, you will need a pencil, three ring binder (for notes and tutorials) and a U.S.B. storage device to store and submit your work.

Course Objectives: Upon successful completion of this course, the student will be able to:

- ❑ Describe the drawings that compose a complete architectural plan set.
- ❑ Define common terminology associated with architectural drafting.
- ❑ Use CAD software to create 3D building information models (BIM) for residential design applications.
- ❑ Properly add dimensions, annotations, and schedules to a plan set.
- ❑ Correctly use CAD and BIM software to improve drafting productivity.
- ❑ Use the Internet to research design issues, access content (symbol families, manufacturers' spec.s, etc.) and collaborate with the instructor via the course website.

Class Format: Lecture/ lab

Course Management: This course will be managed using the MyCR learning environment. Course information, announcements, and current grades are available through the MyCR link at **redwoods.edu** It is incumbent upon the student to check the accuracy of their grade. Please make your instructor aware of any mistakes. Any errors and omissions not corrected by Thursday of Finals Week will be considered final.

Course Requirements: As a student drafter in DT 71 you are required to attend lectures, participate in labs in which you will work on and complete architectural drawings, read the text assignments and engage yourself fully in the tests, quizzes and assignments. You are also required to submit two sets of drawings during the semester.

Grades are based on the following:		Grading Criteria:	
25%	Architectural Drafting and Design	90 - 100%	= A Excellent

	Textbook Questions (homework)	80 - 89%	= B Above Average
39%	Drafting Projects	70- 79%	= C Average
25%	Quizzes and assignments	60 - 69%	= D Below Average
11%	Semester final	0 - 59%	= F Fail

- ✓ Architectural Drafting and Design Textbook Questions (25%)

  Each chapter covered will have specific questions assigned. The assigned questions are homework and are due on the day they are listed in the syllabus. Whenever possible, Revit will be used to demonstrate the questions and topics.

- ✓ Drafting Projects (39%)

  There are two sets of BIM drafting projects assigned during this semester. They are as follows:

  (14%) Lakeside Cabin
  (25%) Habitat Plan set

- ✓ Quizzes and assignments (25%)

  Throughout the semester there will be quizzes, a midterm, and assignments. Quizzes may cover formal announced topics and as well as unannounced periodic "seat quizzes" given on daily topics. Quizzes cannot be made up.

- ✓ Semester Final (11%)

  A paper-based final exam will take place at **10:45a.m. May 6th, 2013.**

Positive Mental Attitude (PMA)

Learning to use new software can test your patience and your character. It is important to remember that *CADD is neither for you nor against you, it is just very unforgiving of mistakes.* Therefore, having a positive mental attitude about learning REVIT or any software can be a big help. Toward that end, keep these few suggestions in mind.

- ✓ Arrive at class on time and ready to work.
- ✓ Keep track of your CADD account and password.
- ✓ File Management
  - o Learn to know the difference between temporary and root files.
  - o Learn the difference between a project and a template.
  - o Open, work from, and save to your root file, not a temporary file.
  - o Save, save, save. Save to your student account, ***and to a portable drive***.
- ✓ Take some written notes of switches, fly outs, and procedures used in REVIT.
- ✓ And lastly, if you have spent too much time trying to fix or create an element (roof, wall, door, etc.) it may be easier to delete the element and start over. **PMA ☺**

Student Code of Conduct Standards

All College of the Redwoods students are encouraged to familiarize themselves with, and conform to, college rules and regulations governing personal conduct on all campuses of the district as set forth in the current college catalog.

CAVEAT: The schedule and procedures for this course are subject to change in the event of extenuating circumstances.

Note: Students in DT 71 with weak or basic computer skills are strongly encouraged to enroll in IT 152: Technical Computer Applications Lab. Friday's 9:00 – 1:05. (Start 2/01/13)