



WOOD 292

Two-Dimensional and Solid Computer-Aided Graphics

FALL 2016-2017

COURSE SYLLABUS

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COURSE INSTRUCTOR: Vincent Leung, CAWP 2937B, Tel: 604-827-2661, E-mail: Vincent.leung@ubc.ca

TEACHING ASSISTANT: Evelyn Gao, CAWP 2943, E-mail: evelyn.gao@alumni.ubc.ca

CLASS LOCATION:

Lecture/Laboratory: Monday and Friday 10:00 to 12:00 CAWP 2942

OVERVIEW:

Computer-aided graphics software used in the wood products sector. Visualization of product designs and specifications in two and three dimensions.

This is a single term laboratory course consisting of two weekly 2-hour lab periods with 15% on basic drafting knowledge, 60% instruction in a two-dimensional computer aided design (CAD) program (AutoCAD) and 25% in three-dimension solid modeling (AutoCAD). The course will give students a working knowledge and skills sufficient to create drawings for layout, design, and presentation. These skills can be applied to other academic courses or employment and will significantly reduce the time required to learn other CAD programs.

LEARNING OBJECTIVES:

Upon successful completion of this course you will be able to demonstrate achievement of the following learning objectives:

- Basic Drafting knowledge
- Plan a drawing for AutoCAD and setup
- Create and modify a drawing in AutoCAD
- Dimension and annotate a drawing in AutoCAD
- Scale and plot from AutoCAD
- Plan a solid model for AutoCAD 3D and setup
- Create and modify a drawing in AutoCAD 3D
- Select an appropriate drawing program and strategy for various drawing tasks

CLASS WEBSITE:

- <http://wood292.forestry.ubc.ca/>
- Password:wood2922017

TEXTBOOK:

There is no required text for the course.



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GRADING POLICY:

- | | |
|---------------------------|-----|
| • Weekly Assignments | 25% |
| • Projects | 30% |
| • Mid Term and Final Exam | 40% |
| • Participation | 5% |

An average grade of at least 50% must be obtained on the examination component (mid-term exam + final exam) in order to pass the course.

All assignments and projects must be completed to pass this course.

You are expected to attend all classes/laboratories.

WEEKLY ASSIGNMENTS AND PROJECTS:

All assignments/projects must be submitted electronically so that authenticity can be checked. Printed hard copies will also be required in most cases, which both paper copy and file for assignment must hand-in before the due date to avoid late deduction.

Students will be randomly asked to hand-in their in-class exercises for participation grade.

ELECTRONIC COMMUNICATION:

All e-mails to the instructor and teaching assistant should have WOOD 292 in the subject line. All electronically submitted assignments shall be titled according to class convention. Credit for lost e-mails or assignments will not be given if these simple rules are not followed.

File name: Name Assignment#1

LATE ASSIGNMENTS

10 percent per day will be deducted for late assignments. No assignment will be accepted more than one week after the due date. Please note that this policy will be strictly enforced.

COMPUTER GENERATED REPORTS:

For any assignments, if your report is generated using a computer, then all the appropriate files should be backed up on a diskette, CD, USB thumb drive or other storage device. The excuse of a computer file being lost due to a computer crash or virus will not be accepted.

ACADEMIC CONCESSION:

The University's policy on academic concessions is provided at <http://students.ubc.ca/calendar/index.cfm?tree=3,48,0,0>. This information covers official policy and procedure in the case of a student unable to complete an assignment or examination because of medical, emotional or other problems. If health problems or other legitimate reasons result in you missing an assignment or an exam, please inform the instructor beforehand or as soon after the event as possible.