

181 Applications in AutoCAD

Kellogg Community College CADD Department

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Course Title Drafting 181, Applications in AutoCAD

Description This course is not intended as an introduction to AutoCAD and students must have a basic understanding of AutoCAD prior to enrollment. This course is a study of AutoCAD and its applications as a drawing tool. Students will be exposed to the depth of the AutoCAD system and the settings that control it. Advanced techniques will be taught in areas such as templates, layer control, dimensioning, editing, text, symbol creation, attributes, and blocks

Length 80 contact hours of instruction, 3 credit hours

Textbook Autocad 2008 Instructor, Leach

Attendance Regular attendance and participation are necessary for successful completion of the course. Students may miss up to one week of class time without penalty. After one week of absences each absence in the class will reduce your final grade by 5%. Being late three times equals one absence.

Grade Your final grade will be based entirely on lab drawings, adjusted if appropriate due to excessive absence. All assignments are considered required. Reading from text will be assigned prior to each lecture. In the event that homework related to this reading is assigned or quizzes are administered they will be calculated into the final grade as a percentage of all work assigned. The final grading scale will be as follows:

100-93.3 = A	93.2-90.0 = A-	89.9-86.6 = B+
86.5-83.3 = B	83.2-80.0 = B-	79.9-76.6 = C+
76.5-73.3 = C	73.2-70.0 = C-	69.9-66.6 = D+
66.5-63.3 = D	63.2-60.0 = D-	59.9- 0.0 = F

Late Policy Each assignment in class will be due one week later at the end of your lab session. For example, if an assignment is given on a Monday, January 14th, the assignment will be due on Monday, January 21st at the end of the class period. A **10% late penalty** will be deducted from the total value of the assignment for **EACH SCHOOL DAY** that the assignment is overdue. After five days, hence 50% reduction in grade, the value for the second five days will be constant at 50% of assignment value. After ten days beyond due date the value of any assignment is zero.

**Instructor
Syllabus
Rights
Statement**

Information contained in this syllabus was to the best knowledge of the instructor considered correct and complete when distributed for use at the beginning of the semester. However, this syllabus should not be considered a contract with Kellogg Community College and any student, nor between the instructor and any student. The instructor reserves the right, acting within the policies and procedures of Kellogg Community College, to make changes in the course content or instructional techniques without notice or obligation.

**Academic
Integrity**

All courses offered by the Computer-Aided Drafting and Design Department will be conducted with the highest standards of academic honesty. Each student is expected to support these standards by neither giving nor accepting assistance on quizzes, tests or exams, and by submitting only his or her own work for credit. The Kellogg Community College policy on Academic Integrity is spelled out in the student handbook. If it is suspected that you are cheating, fabricating, facilitating academic dishonesty, or plagiarizing, there may be serious consequences. The incident will be documented and may be reported to the academic chair and/or program director for possible disciplinary actions up to and including course, program, or college expulsion.

**ADA and
Section 504
Statement**

Kellogg Community College does not discriminate in the admission or treatment of students on the basis of disability. KCC is committed to compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act.

Outline

- Introduction
- Course format
- The AutoCAD Environment
- Files and drawing management
- Drawing setup
- Template drawings
- Coordinate systems and input
- Drawing editor
- Input methods
- Geometry creation
- Display commands
- Modifying geometry
- Layers
- Text
- Drawing information
- Dimensioning Defaults
- Dimension styles Advanced
- Hatching
- Plotting
- Blocks
- Customizing AutoCAD
- Pictorial Drawing Isometric Oblique Perspective