

INSTRUCTOR: Douglas Mann

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COURSE TITLE: Architectural Drafting

LENGTH: One semester, 80 hours instruction, 3 credit hours

TEXTBOOK(S): None

COURSE DESCRIPTION: Prerequisite: Drafting 101 or departmental approval. This course is an introduction to residential style Architectural drawing. The student will prepare a partial set of house plans which could include a site plan, floor plan, elevations, foundation plan, roof plan, stair detail, wall section, and door and window schedules. AutoCAD (2D) will be primarily used to complete all lab assignments along with freehand work. ArchiCAD (3D) will be introduced and used in a limited capacity where applicable. Written assignments will be included for exposure to different architectural styles, trends, or personalities.

DERIVATION OF GRADE: The final grade is computed according to your drawings (70%±) and your written work (30%±), adjusted if appropriate due to absences.

LATE POLICY: All assigned work is to be considered required. *Due dates will be given for the prompt completion of all assigned work.* A **10% late penalty** will be deducted from the total value of the assignment for **EACH SCHOOL DAY** that any 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.

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

ATTENDANCE: Regular attendance and participation are necessary for successful completion of the course. You are responsible for all materials, lectures, and assignments missed (there is no make-up for missed quizzes). Absences in excess of one week of class time will cause a deduction of 3.33% per absence in your final grade. Three tardies will count as one absence. There will be one mandatory field trip.

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.

Topic Outline

I. Architectural Process

- A. Lettering
- B. Building process
- C. Office practices
- D. Project sequence

II. Architectural Drawings

- A. Dimensioning practices
- B. Title block
- C. Drawing setup in AutoCAD
- D. The Architectural template file

III. Site - Phase I

- A. Sample abstract / Legalities
- B. Design considerations
- C. Site layout
- D. Property lines and setbacks
- E. Notation

IV. Floor Plan

- A. Program
- B. Proximities
- C. Wall representation - Sketched
- D. Wall representation - Drafted
- E. Door and window representation

F. Kitchen representation

G. Dimensioning and notation

H. Schedules

V. Wall Sections

- A. Wall construction
- B. Representation of materials
- C. Dimensioning and notation

VII. Elevations

- A. Styles
- B. Unfolding views
- C. Material representation
- D. Window representation
- E. Dimensioning and notation

VIII. Foundation Plan

- A. Wall and footing representation
- B. Beams and columns
- C. Dimensioning and notation

IX. Site - Phase II

- A. Representation of structure
- B. Drives and sidewalks
- C. Dimensioning and notation

X. ArchiCAD 3D Parametric

