Wharton County Junior College

Administrative Master Syllabus

Course Information

Course Title	Architectural Drafting - Residential
Course Prefix, Num. and Title	DFTG1417: Architectural Drafting
Division	Business & Technology
Department	Engineering Design
Course Type	WECM Course
Course Catalog Description	Architectural drafting procedures, practices, terms, and symbols. Preparation of detailed working drawings for residential structures. Emphasis on light frame construction methods
Pre-Requisites	DFTG1405 and credit for or concurrent enrollment in DFTG2319.
Co-Requisites	None

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours: Lab/Other Hours	4:3:3
Equated Pay Hours	4.5
Lab/Other Hours Breakdown: Lab Hours	3
Lab/Other Hours Breakdown: Clinical Hours	Enter Clinical Hours Here.
Lab/Other Hours Breakdown: Practicum Hours	Enter Practicum Hours Here.
Other Hours Breakdown	List Total Lab/Other Hours Here.

Approval Signatures

Title	Signature	Date
Prepared by:		
Department Head:		
Division Chair:		
Dean/VPI:		
Approved by CIR:		

Additional Course Information

Topical Outline: Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

Residential Building Plans
Foundation Plan
Floor Plan
Elevations & Wall Sections
Residential Planning
 Budget
 Property Restrictions
 Building Site Considerations
 Family Structure
      Space Planning
      Traffic Considerations
      Drawing Conventions
Dimensioning
      Symbols
      Line Quality
      Lettering Skills
Structural Members Building Materials & Construction Techniques
Foundations Systems
      Wall Systems
      Roof Systems
      Electrical System
      Rendering Techniques
      Shade & Shadows in Elevations
Drafting techniques in section drawings & details

Course Learning Outcomes:

Learning Outcomes – Upon successful completion of this course, students will:

Utilize architectural terms, symbols, residential construction materials, and processes to produce a set of residential construction drawings including site plan, floor plan, elevations, wall sections, schedules, details, and foundation plan using reference materials.

Methods of Assessment:

Daily Drawings/Lab Work/Daily Quizzes
Four to Five Major Exams or Drawings
Final Project
(All drawings evaluated in terms of accuracy of drawing views, use of line types, line quality, dimensioning accuracy and placement and drawing organization.)

Based on the above breakdown, grades will be awarded as prescribed by Wharton County Junior College Standards.

    90% to 100% = A
    80% to 89%   = B
    70% to 79%   = C
    60% to 69%   = D
    Below 60%   = F

Required text(s), optional text(s) and/or materials to be supplied by the student:

Required: An example would be Architectural Drawing and Light Construction by Muller, Fausett and Grua
A flash drive is required for archiving data files
Note book to store notes and drawings.

Suggested Course Maximum:

20

List any specific or physical requirements beyond a typical classroom required to teach the course.

Computer workstations, plotters/printers (to print large 36" by 24" drawings), data projection system and appropriate software.

Course Requirements/Grading System: Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

Daily Drawings/Lab Work/Daily Quizzes = 30%
Four to Five Major Exams or Drawings   = 40%
Final Project   = 30%
Note: A letter grade of "C" or above average must be achieved in all degree specific classes to attain graduation.

Curriculum Checklist:

☐**Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.

☐**Administrative WCJC Core Course**. Attach the Core Curriculum Review Forms

    ☐Critical Thinking

    ☐Communication

    ☐Empirical & Quantitative Skills

    ☐Teamwork

    ☐Social Responsibility

    ☐Personal Responsibility

☒**WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist