

Note: Course Dates indicate Beginning and Ending Dates

M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=

CRN	Instructor	Days	Time	Room	D	CRN	Instructor	Days	Time	Room	D
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Drafting - Architectural

DRAF 151 Basic Floor Plans and Functional Design 3 Units

Strongly recommended: DRAF 101 or 150. Also, READ 099 if required by reading placement exam or if required by reading level.

Introduction to Architectural graphic communication skills including: traditional pencil drawing and state of the art computer drawing. Analyze and apply Architectural theory, principles and techniques in orthographic presentation drawings including floor plans, foundations, sections, design problems, lettering, line work, drawing to scale, symbols, notes, dimensions and three dimensional model making. Examination of presentation types and how they can be utilized to communicate architectural ideas. 36 lecture hours, 72 lab hours. CSU 30675 Au, S. MW 08:00 AM-11:10 AM PC 304 02/17-06/12

DRAF 152 Basic Residential Structure Design and Drafting 3 Units

Prerequisite: DRAF 150 and 151 (151 may be taken concurrently).

Architectural drafting including: details of construction, framing of walls, ceilings and roofs, interior and exterior elevations, and cabinet details. Drafting techniques for completing a set of working drawings. 36 lecture hours, 72 lab hours. CSU 30676 Au, S. MW 08:00 AM-11:10 AM PC 304 02/17-06/12

DRAF 153 Advanced Residential Detailing and Design 3 Units

Prerequisite: DRAF 152.

Design and detail drawing of two story and split level homes. Special requirements for sloping lots, under house garages, and basements. Architectural styles typical of larger homes. 36 lecture hours, 72 lab hours. CSU 30677 Au, S. MW 08:00 AM-11:10 AM PC 304 02/17-06/12

DRAF 154 Commercial and Industrial Buildings 3 Units

Prerequisite: DRAF 152.

Designing and detailing small business and manufacturing buildings. Code requirements, special materials, and functional requirements. 36 lecture hours, 72 lab hours. CSU 30683 Au, S. MW 08:00 AM-11:10 AM PC 304 02/17-06/12

DRAF 160 Introduction to Architectural CAD 2 Units

Prerequisite: DRAF 109.

An introductory course in which the CAD system is applied to special problems in architecture. Techniques in creating symbol libraries are explored. Proper and efficient methods of producing plans, sections, details and elevations are introduced along with dimensioning fundamentals and sheet layout. 36 lecture hours, 36 lab hours. CSU 30717 Yu, J. TR 12:30 PM-02:35 PM PC 309 02/17-06/12

Drafting - Mechanical

DRAF 101 Computer Aided Design and Mechanical Drawing 3 Units

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.

A basic course for pre-engineering, pre-architecture, and others who have had no previous Computer Aided Design (CAD) or mechanical drawings. 36 lecture hours, 72 lab hours. CSU 30700 Yu, J. TR 08:00 AM-11:10 AM PC 304 02/17-06/12
31114 Tabata, F. TR 06:00 PM-09:10 PM PC 304 02/17-06/12

DRAF 102 Technical Illustration 2.5 Units

Strongly recommend: DRAF 101 or DRAF 112

A basic course in pictorial drawing including freehand, mechanical, and CAD constructions in pictorial drawing. 36 lecture hours, 36 lab hours. CSU 30727 Tabata, F. TR 02:45 PM-04:50 PM PC 304 02/17-06/12

DRAF 103 Advanced Mechanical Drawing 3 Units

Prerequisite: DRAF 101 or one year high school mechanical drafting.

Advanced techniques and the solution of drafting problems through a variety of practical applications rather than the theories of projection. Advanced problems in instrumental drawing, lettering, geometric construction, multi-view projections, sections, and auxiliary view. 36 lecture hours, 72 lab hours. CSU 30713 Yu, J. TR 08:00 AM-11:10 AM PC 304 02/17-06/12
31115 Tabata, F. TR 06:00 PM-09:10 PM PC 304 02/17-06/12

DRAF 109 Intermediate Computer Aided Drafting (CAD) 2 Units

Strongly recommended: DRAF 101 or drafting industry experience. Also, READ 099 if required by reading placement exam or if required by reading level.

This course provides an overview of the application of microcomputers to the production of technical drawings and other computer graphics. Lectures, discussions, audiovisuals, outside reading and supervised computer laboratory projects are among the means employed to develop a comprehensive introduction to CAD. This course may be taken twice. 36 lecture hours, 36 lab hours. 30716 Yu, J. TR 12:30 PM-02:35 PM PC 309 02/17-06/12

DRAF 111 Advanced Computer Aided Design and Drafting-Mechanical (CADD) 2 Units

Strongly recommended: DRAF 109 or DRAF 160 or ENGR 125.

Presents advanced Computer Aided Design and Drafting techniques used in the production of mechanical drawings, 3-D design and the management of AutoCAD. 36 lecture hours, 36 lab hours. CSU 30685 Au, S. MW 11:30 AM-01:35 PM PC 309 02/17-06/12

DRAF 112 Introduction to Computer Aided Design (CAD) and Mechanical Drawing 3 Units

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.

A basic course for pre-engineering, pre-architecture, and others who have had no previous Computer Aided Design (CAD) and mechanical drawing. 36 lecture hours, 72 lab hours. CSU 30714 Yu, J. TR 08:00 AM-11:10 AM PC 304 02/17-06/12
31116 Tabata, F. TR 06:00 PM-09:10 PM PC 304 02/17-06/12

DRAF 158 Perspective 2 Units

Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.

Projected control of one and two point perspective drawings, exterior and interior projects, shading and rendering of presentation drawings. 18 lecture hours, 54 lab hours. CSU 30728 Tabata, F. TR 02:45 PM-04:50 PM PC 304 02/17-06/12

DRAF 161 Residential CAD 2 Units

Prerequisite: DRAF 160.

An advanced architectural course using CAD for the design and development of residential floor plans and foundations, site plans, electrical plans, plumbing, climate control, sections, details, elevations and notes. 36 lecture hours, 36 lab hours. CSU 30684 Au, S. MW 11:30 AM-01:35 PM PC 309 02/17-06/12