

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 150 Introduction to Architecture 3 Units

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

A non-drafting course for students interested in exploring the fields of architecture and architectural technology and developing a working knowledge of the planning and design of a residence. 54 lecture hours. CSU

22199 Fernandes, R. MW 08:10 AM-09:35 AM PC 314 08/29-12/19

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

22200 Fernandes, R. MW 09:40 AM-12:50 PM PC 304 08/29-12/19

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

22201 Fernandes, R. MW 09:40 AM-12:50 PM PC 304 08/29-12/19

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

22203 Fernandes, R. MW 09:40 AM-12:50 PM PC 304 08/29-12/19

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

22204 Fernandes, R. MW 09:40 AM-12:50 PM PC 304 08/29-12/19

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

22212 Fernandes, R. MW 01:00 PM-03:05 PM PC 309 08/29-12/19

22216 Au, S. T 05:45 PM-10:00 PM PC 309 08/29-12/19

Drafting - Com Gen Imagery CGI

DRAF 190 Computer Imaging Practices for Industry and Architecture 3 Units

An advanced practical projects course using Alias/Wavefront Maya, 3D Studio Max, and other current industry standard software designed to complete the student's preparation for employment. This course may be taken four times.

36 lecture hours, 54 lab hours. CSU

22218 Au, S. MW 06:05 PM-08:35 PM PC 304 08/29-12/19

DRAF 290 Learning Maya Introduction 3 Units

Introduction to modeling, animate and render using Maya with a focus on establishing a working knowledge of Maya's animation tools and techniques, this course builds a solid foundation for developing character animation and special effects sequences. The course uses the two different sections of the Learning Maya tutorial book to provide the student with an overview of the Maya environment and how it can be applied to their work. 36 lecture hours, 54 lab hours.

22219 Au, S. MW 06:05 PM-08:35 PM PC 304 08/29-12/19

DRAF 291 Learning Maya Transitions 3 Units

Prerequisite: DRAF 190 or 290.

Teaches how to model, animate and render using Maya Transitions with a focus on establishing a working knowledge of Maya's animation tools and techniques, this course builds a solid foundation for developing character animation and special effects sequences. The course uses the two different sections of the Learning Maya Transitions tutorial book to provide the student with an overview of the Maya environment and how it can be applied to their work. 36 lecture hours, 54 lab hours.

22220 Au, S. MW 06:05 PM-08:35 PM PC 304 08/29-12/19

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

22206 Yu, J. TR 08:10 AM-11:20 AM PC 304 08/29-12/19

22222 Fernandes, R. MW 06:10 PM-09:20 PM PC 306 08/29-12/19

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

22208 Yu, J. TR 08:10 AM-11:20 AM PC 304 08/29-12/19

22223 Fernandes, R. MW 06:10 PM-09:20 PM PC 306 08/29-12/19

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.

22211 Fernandes, R. MW 01:00 PM-03:05 PM PC 309 08/29-12/19

22215 Au, S. T 05:45 PM-10:00 PM PC 309 08/29-12/19

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

22207 Yu, J. TR 08:10 AM-11:20 AM PC 304 08/29-12/19

22224 Fernandes, R. MW 06:10 PM-09:20 PM PC 306 08/29-12/19

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DRAF 149 Introduction to Portfolio Preparation 3 Units

Strongly recommended: READ 099 if required by reading placement exam or if required by reading leavel. Also, DRAF 151, 152 or ART 111 and 120.

A course for students to develop individual student portfolios. Development of portfolios will include architectural Computer Generated Imagery (CGI), multimedia, other design technology techniques, free hand drawing, 2D - 3D art and rendering. Students will develop career goals and knowledge required to understand various design professions for interviews in industry. 36 lecture hours, 54 lab hours. CSU

22214 Fernandes, R. MW 03:10 PM-05:40 PM PC 306 08/29-12/19