

**DT 182 3D Studio Max – Advanced 3D Modeling and Animation (3)**

1½ hours lecture - 4½ hours laboratory

**Prerequisite:** A minimum grade of 'C' in DT 180**Note:** May be taken 2 times**Transfer acceptability:** CSU

Advanced 3D Studio Max applications to create special visual effects for high-end image production. Advanced keyframing, time-based editing, controllers, and video post will be employed to master state-of-the-art rendering and animation. The class is structured to help students start using 3D Studio Max in a production environment.

**DT 184 Real Time 3D Technical/Game Animation (2)**

1 hour lecture - 3 hours laboratory

**Note:** May be taken 2 times**Transfer acceptability:** CSU

Students will create interactive 3D applications using a direct X base real time engine for the game industry, computer based training and product visualization.

**DT 196 Special Problems in Computer Aided Drafting (1, 2, 3)**

3, 6, or 9 hours laboratory

**Note:** May be taken 4 times for a maximum of 9 units**Transfer acceptability:** CSU

This is an advanced course designed to aid the student in the enrichment of an area of concentration in AutoCAD and third party drafting software and is of a research nature. Content to be determined by the need of the student under signed contract with the instructor.

**DT 197 Drafting Technology Topics (.5 - 4)**

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

**Note:** May be taken 4 times**Transfer acceptability:** CSU

Topics in Drafting. See class schedule for specific topic covered. Course title will designate subject covered.

**DT 202 Introduction to Revit Architecture (3)**

1½ hours lecture - 4½ hours laboratory

**Recommended preparation:** ARCH 200**Note:** Cross listed as ARCH 202. May be taken 2 times**Transfer acceptability:** CSU

Preparation of basic 3D architectural information models and (BIM). Manipulation for preparation of individual architectural working drawings, including: dimensioned floor plans, building sections, elevations, etc. using Revit software.

**DT 210 Printed Circuit Board Design (3)**

1½ hours lecture - 4½ hours laboratory

**Prerequisite:** A minimum grade of 'C' in DT 110**Note:** May be taken 2 times**Transfer acceptability:** CSU

Instruction in printed circuit board design generally required for entry level positions in the electronic industry. Includes artwork and complete documentation for analog and digital multi-layer, flexible and high-speed boards using current IPC standards. Drafting will be performed on the computer using high-end printed circuit board software.

**DT 211 Advanced Printed Circuit Board Design (3)**

1½ hours lecture - 4½ hours laboratory

**Prerequisite:** A minimum grade of 'C' in DT 210**Note:** May be taken 2 times**Transfer acceptability:** CSU

Advanced problems and instruction in printed circuit board design generally required for entry-level position in the electronic industry. Special emphasis will be placed on advanced applications including surface mount technology. Includes artwork and complete documentation for analog and digital multi-layer, flexible and high-speed boards using current IPC standards. Drafting will be performed on the computer using AutoCAD and PADS software.

**Earth Sciences (ES)**

Contact the Earth, Space, and Aviation Sciences Department for further information.

(760) 744-1150, ext. 2512

Office: NS-110G

**COURSE OFFERINGS****ES 100 The Earth as a System: Case Studies of Change in Space and Time (3)**

3 hours lecture

**Transfer acceptability:** CSU; UC

An overview of the fields of geology, geography, oceanography, and astronomy that approach Earth as a system. Areas of study include those related to plate tectonics, earthquakes, volcanoes, geologic time, landscape evolution, weather systems, ocean circulation, climate change, and exploration of the solar system.

**ES 115 Natural Disasters and Environmental Hazards (3)**

3 hours lecture

**Note:** Cross listed as GEOG 115**Transfer acceptability:** CSU; UC

Examination and analysis of natural disasters and environmental hazards including earthquakes, tsunamis, volcanic activity, hurricanes, flooding, air and water pollution, and global climate change.

**ES 195 Regional Field Studies in Earth Science (1, 2, 3)**

2, 4 or 6 hours lecture/laboratory

**Note:** May be taken 4 times**Transfer acceptability:** CSU

Extended field studies that examine Earth Science-related topics in selected regions. Emphasis is upon field observation, interpretation, and analysis of varying Earth Science phenomena including formation of landforms, natural resources, ecosystems, climate patterns, tectonic processes and human impacts.

**Economics (ECON)**

Contact the Economics, History and Political Science Department for further information.

(760) 744-1150, ext. 2412

Office: MD-375

For transfer information, consult a Palomar College Counselor.

**Associate in Arts Degrees -**

AA Degree requirements are listed in Section 6 (green pages).

• Economics

**Certificates of Achievement -**

Certificate of Achievement requirements are listed in Section 6 (green pages).

• Economics

**PROGRAM OF STUDY****Economics**

Provides lower division preparation for pursuing advanced studies in economics or prepares a complementary base for many professions and areas of interest including business administration, law, engineering, journalism, public administration, and environmental studies. Transfer students should consult the four year college or university catalog for specific requirements or see a Palomar College counselor.

**A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT**

Program Requirements		Units
ECON 101	Principles of Economics (Macro)	3
ECON 102	Principles of Economics (Micro)	3