

DESIGN TECHNOLOGY (DNTC)

DNTC 399. DIRECTED STUDY. 1-5 Credits.

Cross-listed: APTC 399, CMTC 399, MNTC 399, TECH 399.

Pre-requisites: permission of the instructor, department chair and college dean.

Directed Study.

DNTC 490. SENIOR CAPSTONE: PRODUCTION LAB. 4 Credits.

Cross-listed: APTC 490, CMTC 490, TECH 490, MNTC 490.

Notes: the course will simulate a real world design team concept by utilizing a design group that contains members of different program majors.

Pre-requisites: senior standing.

Satisfies: a university graduation requirement—senior capstone.

The course simulates the real world situation that graduates face.

Students will work in teams to apply techniques of production management, product design/development, plant layout, scheduling, cost accounting, assembly, inspection and quality control to produce a product. Learning to deal with the team dynamics is a valuable learning process. Each student team produces a new product and a final written report to demonstrate how the process and goals of the course have been realized.

DNTC 491. SENIOR PROJECT. 4-6 Credits.

Cross-listed: APTC 491, CMTC 491, TECH 491, MNTC 491.

Pre-requisites: senior standing.

Independent and/or group study and implementation of a design and development project. (variable time).

DNTC 495. INTERNSHIP. 1-15 Credits.

Cross-listed: APTC 495, CMTC 495, TECH 495, MNTC 495.

Notes: Graded Pass/Fail. This course may be repeated.

Pre-requisites: junior or senior status and permission of the instructor, department chair and dean.

A maximum of 5 credits may be earned toward electives for a Technology major. Students considering electives for a Technology minor should consult with their departmental advisor.

DNTC 496. EXPERIMENTAL COURSE. 1-6 Credits.

Cross-listed: APTC 496, CMTC 496, TECH 496, MNTC 496.

Experimental Course.

DNTC 497. WORKSHOP, SHORT COURSE, CONFERENCE, SEMINAR. 1-6 Credits.

Cross-listed: APTC 497, CMTC 497, TECH 497, MNTC 497.

Workshop, short course, conference, or seminar.

DNTC 498. SEMINAR. 1-6 Credits.

Cross-listed: APTC 498, CMTC 498, TECH 498, MNTC 498.

Seminar.

DNTC 499. DIRECTED STUDY. 1-5 Credits.

Cross-listed: APTC 499, CMTC 499, TECH 499, MNTC 499.

Pre-requisites: permission of the instructor, department chair and college dean.

Designed for students wanting to pursue a subject beyond the scope of regular courses.