

ACADEMIC SENATE PROPOSAL TRACKING SHEET

(Document To Be Originated By Academic Senate Secretary On Canary Color Paper)

All proposals MUST have their originating college faculty body (Ex. Nursing, Technical Sciences, Arts & Sciences, Education) approval and must be signed by the submitter and the college chair/dean before being submitted to the academic senate secretary.

1. Submit all proposals (using the appropriate Academic Senate program/degree and/or course revision forms) to the Academic Senate Secretary.
2. The Academic Senate Secretary logs and numbers items and forwards them to the appropriate Academic Senate subcommittee(s): Teacher Education (if applicable), General Education (if applicable), or Curriculum.
3. The Academic Senate subcommittee(s) consider(s) the proposal. If approved, the proposal is forwarded to the next committee. If a committee disapproves the proposal, the originator may request that the item be forwarded to the next body for consideration. The committee will provide written rationale to the originator when a proposal is disapproved and the proposal is returned to the originator.
4. The Academic Senate considers the proposal and approves or disapproves. If approved, the proposal is forwarded to the Full Faculty for consideration. If the Academic Senate disapproves the proposal, the originator may request that the item be forwarded to the Full Faculty for consideration. The Academic Senate will provide written rationale to the originator when proposals are disapproved and the proposal is returned to the originator.
5. The Full Faculty considers academic senate approved proposals. If faculty approve, the proposal will then be forwarded to the Provost. The Provost approves or disapproves the proposal. If approved, the proposal is then forwarded to the Chancellor.
7. The Chancellor approves or disapproves the proposal.

Subcommittee and Academic Senate college representatives will notify their respective colleges' of the progress of submitted proposals or the proposal may be tracked via the web page --

<http://www.msun.edu/admin/provost/asproposals.htm>

Documentation and forms for the curriculum process is also available on the web page:

<http://www.msun.edu/admin/provost/asforms.htm>

***** (If a proposal is disapproved at any level, it is returned through the Academic Senate secretary to the Chair/Dean of the submitting college who then notifies the originator.)

Proposal # <u>02-28</u>	Title: <u>Reverse Course Desc DRET 409</u>
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(proposal explanation, submitter and college chair/dean signatures on attached program/degree or course revision form)

Received by ACAD Senate	Date <u>4/1/09</u>	Approved _____	Disapproved _____
Forwarded to Teacher Ed Council	_____	Signature _____	Date _____
Forwarded to Gen Ed Committee	_____	Approved _____	Disapproved _____
Returned to ACAD Senate	_____	Signature _____	Date _____
Forwarded to Curriculum Committee	<u>4/1/09</u>	Approved <u>[Signature]</u>	Disapproved _____
Returned to ACAD Senate for Vote	<u>4/1/03</u>	Signature _____	Date <u>4/1/03</u>
Sent to Provost's office for Full Faculty vote	<u>4/9/03</u>	Approved _____	Disapproved _____
Voted on at Full Faculty meeting	_____	Signature _____	Date _____
Forwarded to Provost for Approval/Disapproval	_____	Approved _____	Disapproved _____
Forwarded to Chancellor for Approval/Disapproval	_____	Signature _____	Date _____
Copies sent to originating college and registrar's office	_____	Approved _____	Disapproved _____
C:/data/proposaltracking sheet ACAD 10 10 01	_____	Signature _____	Date _____

COURSE REVISION FORM

NEW ___ DROPPED ___ MAJOR REVISION ___ FOR INFORMATION ONLY X

College College of Technical Sciences Program Area Design Drafting Technology Date 3-12-03

Submitter *August D. Kegel* Chair/Dean *August D. Kegel* Date 3.31.03
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):

Add wording to course description to indicate this is the capstone course

Please provide the following info

Department: College of Technical Sciences
Program Area: Design Drafting Technology
Date: February 1998

Course pref and no.: DRFT 409
Course title: Industrial Product Design
Credits: 3 (sem)

Required By: Design Drafting Technology, B.S.
Design Drafting Technology Minor

Lecture:
Lecture/lab: X
Lecture hrs. contact: 1 hrs/wk
Lab hrs. contact: 4 hrs/wk

Current Catalog Course Description (include prerequisites):

An advanced course designed to prepare the student for the basics of mechanical design. Techniques and procedures used in the design process, geometric tolerancing and dimensioning, and the application of CAD will be studied. Prerequisite: DRFT 205 and DRFT 256

Proposed or New Catalog Course Description (include prerequisites):

An advanced course designed to prepare the student for the basics of mechanical design. Techniques and procedures used in the design process, geometric tolerancing and dimensioning, and the application of CAD will be studied. *This course meets the general education requirements for a capstone course.* Prerequisite: DRFT 205 and DRFT 256

Course Objectives:

Upon completion of this course the student will:

- 1.) understand the elements and importance of the design process;
- 2.) realize the different material, equipment, and processes involved in the production of mechanical parts;
- 3.) understand the application of working drawings and their importance to the industrial society;
- 4.) prepare detail drawings of cams, gears, belting and pulleys, chain transmissions, keys and keyways, splines, shafts, etc;

- 5.) further develop their CAD skills while realizing it as an application for developing working drawings;
- 6.) understand, interpret and apply geometric dimensioning and tolerancing used in mechanical drafting;
- 7.) recognize the different types of power transmissions so that when given two or more, you will be able to select the better of the two;
- 8.) identify the necessary technical information in order to elaborate a detailed drawing of a power transmission;
- 9.) apply technical information to draw a mechanism such as a gear, spline, cam, belt, etc;
- 10.) identify different moving parts in everyday life systems that could be used as examples for analysis;
- 11.) describe mechanisms concepts by graphical and analytical techniques of angular and linear displacements and acceleration and velocity of those connected moving parts;
- 12.) understand the DXF format for exporting a CAD database into a CAM database.

New and/or Additional Equipment Required:

New and/or Additional Library Resources Required:

Special Facility Needs Required: (laboratory space, specialized labs, rooms to facilitate large groups, computer labs):

ACAD course revision form 409courseform03 March 03