

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. Arts & Sciences, Education and Nursing; Technical Sciences) approval and must be signed by the submitter and the college 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 Dean of the submitting college who then notifies the originator.)

Proposal #	0832	Title:	Update course prerequisites
(proposal explanation, submitter and college dean signatures on attached program/degree or course revision form)			DRFT 244

	Date			
Received by ACAD Senate	12-22-08	Approved	Disapproved	
Forwarded to Teacher Ed Council	_____	Signature	_____	Date
Forwarded to Gen Ed Committee	2/10/09	Approved	Disapproved	
Returned to ACAD Senate	2-19-09	Signature	_____	Date
Forwarded to Curriculum Committee	2-20-09	Approved	Disapproved	
Returned to ACAD Senate for Vote	3-5-09	Signature	_____	Date
Sent to Provost's office for Full Faculty vote	_____	Approved	Disapproved	
Voted on at Full Faculty meeting	_____	Signature	_____	Date
Forwarded to Provost for Approval/Disapproval	3-30-09	Approved	Disapproved	
Forwarded to Chancellor for Approval/Disapproval	_____	Signature	_____	Date
Copies sent to originating college and registrar's office	_____	Approved	Disapproved	
Updated 09/29/05		Signature	_____	Date

COURSE REVISION FORM

NEW ___ DROPPED ___ MAJOR REVISION ___ FOR INFORMATION ONLY ___

College COTS Program Area Design Drafting Technology Date 11/25/2008

Submitter *Brian M. Miller* Chair/Dean *Samuel O. Lopez* Date 12.22.08
Signature Signature (indicates "College" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Update to course prerequisites

Please provide the following information:

College: College of Technical Sciences
Program Area: Design Drafting Technology
Date: 11/25/2008
Course Prefix & No.: DRFT 244

Course Title: Topographic Mapping & GIS Application
Credits: 3

Required by: Design Drafting Minor
Design Drafting AAS
Design Drafting BS
Engineering Technology: Civil Engineering Technology BS
Engineering Technology: Civil Engineering Technology AAS
Engineering Technology: Civil Engineering Technology Minor
Engineering Technology: Civil Engineering Technology Departmental Certificate

Selective in:
Elective in:
General Education:

Lecture: 3 credits
Lecture/Lab: 0 credits
Gradable Lab:
Contact hours lecture: 1 hour/week
Contact hours lab: 4 hours/week

Current Catalog Description (include all prerequisites):

Fundamentals of mapping & geographical information systems (GIS). Includes applications of mapping projections, presentation of surveying information, & GIS methods. Mapping & GIS computer applications will be used & developed throughout the course. Prerequisites: DRFT 156 & CIS 171.

Proposed or New Catalog Description (include all prerequisites):

Fundamentals of mapping & geographical information systems (GIS). Includes applications of mapping projections, presentation of surveying information, & GIS methods. Mapping & GIS computer applications will be used & developed throughout the course. Prerequisites: DRFT 156. Course Fee: \$10.00

Course Outcome Objectives:

Upon completion of this course, the student will be able to:

- 1) Define terms related to Civil Drafting & Civil Engineering
- 2) Draw maps
- 3) Apply scales typical to civil drafting
- 4) Identify & use mapping symbols
- 5) Identify & describe measurement instruments
- 6) Define terms related to location & direction
- 7) Use engineering information & legal descriptions to draw plot plans
- 8) Explain the information seen on & draw topographical maps
- 9) Construct profiles & curves
- 10) Construct highway layout & cut-&-fill drawings
- 11) Create cross-sections
- 12) Calculate earthwork volumes
- 13) Describe differences between CAD & GIS systems
- 14) Answer questions related to GIS & GPS
- 15) Solve basic civil drafting problems using CAD software

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

ACAD course revision form 10-10-2001 rev. 12-12-01