

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>07-22</u>	Title: <u>Departmental Cert. of Applied Science in Electrical Technology</u>
(proposal explanation, submitter and college chair/dean signatures on attached program/degree or course revision form)	

Received by ACAD Senate Forwarded to Teacher Ed Council	Date <u>4/21/08</u> NA	Approved _____ Disapproved _____ <hr/> Signature _____ Date _____ Approved _____ Disapproved <u>4/23/08</u> <hr/> Signature _____ Date _____
Forwarded to Gen Ed Committee	Date <u>4/21/08</u> NA	Approved _____ Disapproved _____ <hr/> Signature _____ Date _____ Approved <u>4/24/08</u> Disapproved _____ <hr/> Signature <u>Deanna Peterson</u> Date <u>5/1/08</u>
Returned to ACAD Senate Forwarded to Curriculum Committee	Date <u>4/24/08</u> <u>4/24/08</u>	Approved _____ Disapproved _____ <hr/> Signature _____ Date _____ Approved _____ Disapproved _____ <hr/> Signature <u>Greg Crane</u> Date <u>05-01-08</u>
Returned to ACAD Senate for Vote	Date <u>5-1-08</u>	Approved _____ Disapproved _____ <hr/> Signature _____ Date _____ Approved _____ Disapproved _____ <hr/> Signature _____ Date _____
Sent to Provost's office for Full Faculty vote Voted on at Full Faculty meeting	Date _____ _____	Approved _____ Disapproved _____ <hr/> Signature _____ Date _____ Approved _____ Disapproved <u>6-8-08</u> <hr/> Signature _____ Date _____
Forwarded to Provost for Approval/Disapproval	Date <u>5/8/08</u>	Approved _____ Disapproved _____ <hr/> Signature _____ Date _____ Approved _____ Disapproved _____ <hr/> Signature _____ Date _____
Forwarded to Chancellor for Approval/Disapproval	Date <u>6/6/08</u>	Approved _____ Disapproved _____ <hr/> Signature _____ Date _____ Approved _____ Disapproved _____ <hr/> Signature _____ Date <u>6/6/08</u>
Copies sent to originating college and registrar's office	Date <u>6/6/08</u>	

COURSE FORM

College: College of Technical Sciences
Program Area: Electrical Technology
Date:
Course Prefix & No.: ELEC 106

Course Title: Electrical Formulas and Calculations
Credits: 3

Required by: Electrical Technology

Selective in: n/a

Elective in: n/a
General Education:

Lecture: x
Lecture/Lab:
Contact hours lecture: 3
Contact hours lab:

Current Catalog Description (include all prerequisites):

This course covers the basic formulas needed to determine electrical values in typical electrical installations including power, current, and voltage. Basic methods of calculation for both DC and AC quantities will be discussed and demonstrated as well as the use of modern calculators and computer software to determine necessary values.

Course Outcome Objectives:

The student will be able to:

- Articulate the basic electrical principles including ohms law and the basic power equation
- Identify the source of more complicated electrical formulae needed to calculate AC power, power factor and phase angle, voltage drop, conductor ampacity, etc.
- Utilize a general purpose calculator to compute necessary values
- Use modern computer hardware to perform detailed analysis of AC and DC electrical systems
- Math formulas applying to job invoicing & estimating cost

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

COTS Review Date: 06/2007

COURSE REVISION FORM

NEW_____ DROPPED_____ MAJOR REVISION_____ FOR INFORMATION ONLY_____

College Technical Sciences Program Area _____ Date _____

Submitter _____ Dean _____ Date _____
Signature Signature (indicates "college" level approval)

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

The use of the National Electrical Code requires communication and interaction with various Authorities Having Jurisdiction (AHJ), (e.g., electrical inspectors, state and local representatives, engineers, architects, employers, owners, and customers). Classroom instruction should include interpersonal communications and relations with said authorities.

Please provide the following information:

College: College of Technical Sciences
Program Area: Electrical Technology
Date:
Course Prefix & No.: ELEC 103
Course Title: Electric Code Study/Codeology
Credits: 3
Required by: Electrical Technology
Selective in: n/a
Elective in: n/a
General Education:
Lecture: x
Lecture/Lab:
Contact hours lecture: 3
Contact hours lab:

Current Catalog Description (include all prerequisites):

This course is a preliminary study of the National Electrical Code (NEC). Wiring design and protection, wiring methods and materials, and equipment for general use are covered.

Proposed or New Catalog Description (include all prerequisites):

This course is a preliminary study of the National Electrical Code (NEC). Wiring design and protection, wiring methods and materials, and equipment for general use are covered. Interaction and personal communications with Authorities Having Jurisdiction (i.e., inspectors, engineers, architects, employers, etc.) as well as customers and owners will be addressed.

Course Outcome Objectives:

The student will be able to:

- Understand the origins and importance of the National Electrical Code (NEC)
- Locate and interpret the NEC requirements for basic electrical circuits and connections
- Evaluate electrical installations for compliance with basic NEC requirements
- Identify approved mechanical electrical connecting equipment and devices
- Understand the basic grounding and bonding requirements for residential electrical service connections
- Wiring Methods
- Specialty occupancy code
- Interact and communicate with contractors, inspectors, owners, employers, and customers

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