

ACADEMIC SENATE PROPOSAL TRACKING SHEET
(Document To Be Originated By the Academic Senate Secretary On Canary Color Paper)

Proposal # 21-14	Title: ETCC 307 Structural Analysis Major Revision
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(Proposal explanation, submitter and college dean signatures on attached program/degree or course revision form.)

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.

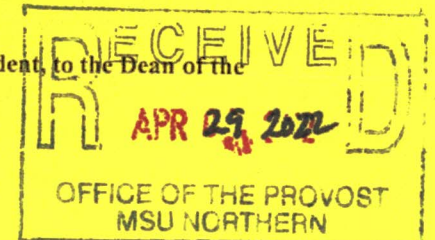
1. Submit all proposals (using the appropriate Academic Senate program/degree and/or course revision forms or General Education Inclusion form) to the Academic Senate Secretary. **NOTE: Level 1 or Level 2 forms must be submitted concurrent with this proposal where applicable. For Education proposals, PEU approval must be received prior to forwarding the proposal to the Senate.**
2. The Academic Senate Secretary logs and numbers items and forwards them to the appropriate Academic Senate subcommittee(s): General Education (if applicable), or Curriculum. A transmittal e-mail will be sent to the Recording Secretary of the receiving committee, cc Provost's Administrative Assistant, by the Academic Senate Secretary. A digital copy of the proposal will be linked on the Academic Senate Proposal page by the Academic Senate Secretary.
3. The Academic Senate subcommittee(s) consider(s) the proposal. If approved, the proposal is returned to the Academic Senate Secretary for forwarding 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, via the Academic Senate, when a proposal is disapproved and the proposal is returned to the originator. Upon completion of committee action, the proposal will be returned to the Academic Senate Secretary, and a transmittal e-mail sent by the Committee Recorder to the Senate Secretary, cc Provost's Administrative Assistant.
4. The Academic Senate considers the proposal and recommends approval or disapproval. If approved, the proposal is forwarded to the Provost for consideration. If the Academic Senate disapproves the proposal, the originator may request that the item be forwarded to the Full Faculty for consideration, utilizing the procedures set forth in the Senate Bylaws. The Academic Senate will provide written rationale to the originator when proposals are disapproved and the proposal is returned to the originator.
5. Approved proposals will be forwarded to the Provost. The Provost approves or disapproves the proposal. If approved, the proposal is then forwarded to the Chancellor. From this point forward, the Provost's Administrative Assistant will update the Proposal page on the website.
7. The Chancellor approves or disapproves the proposal.
8. The proposal will then either be implemented or referred to MSU for further action. The tracking page on the Provost site will be updated as required.

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/senate/proposals.htm>

Documentation and forms for the curriculum process is also available on the web page:
<http://www.msun.edu/admin/provost/forms.htm>

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

See back for tracking form



	Date	Action Taken	Signature	Date	Comments/Reason for Disapproval	Sent to	Date	Transmittal E-mail sent
*Abstract received by Senate Secretary		Copy to Senate President. Forward to Provost.	0					
*Provost		<input type="checkbox"/> Abstract Approved <input type="checkbox"/> Disapproved						
Received by Senate Secretary	10/1/2021	Tracking	DocuSigned by: <i>Debra Bradley</i> 26500A1E8DE64DB...		Forward	V Guyant		DocuSign
General Education Committee (if applicable)	10/1/2021	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	DocuSigned by: <i>Valerie Guyant</i> DE995B0729A143B...		forward - curriculum NA for Gen ed	J. Todd		DocuSign
Curriculum Committee (if applicable)		<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	DocuSigned by: <i>[Signature]</i> DE995B0729A143B...		forward-Academic Senate	C. Reifschneider		docuSign
Academic Senate	3/9/2022	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	DocuSigned by: <i>Carol Reifschneider</i> C866058A6885E7...		forward to Provost	Provost		docuSign
Full Faculty (if necessary)		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved						
Provost		<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<i>5/24/22</i>		<i>Chnlr</i>	<i>5/24/22</i>	
Chancellor		<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<i>5/24/22</i>				
MSU		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<i>N/A</i>					
BOR		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<i>N/A</i>					
NWCCU		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<i>N/A</i>					
Provost		Advise originating college and Academic Senate of status. Update Web page.						
Registrar		Catalog/Policy Manual Update						

NOTE: The secretary of the Academic Senate will update the Academic Senate Proposal web page from initial receipt until the proposal reaches the Provost. The Provost's Administrative Assistant will ensure that the current status of each proposal is maintained on the Academic Senate Proposal web page from that point forward.
*Abstract and pre-approval required for new programs ONLY.

COURSE REVISION FORMNEW _____ DROPPED _____ MAJOR REVISION X FOR INFORMATION ONLY _____College COTS Program Area Civil Engineering Technology Date 9/28/2021Submitter See attachment Dean See attachment Date 9/28/2021
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Calculus is used in this class as are various techniques introduced in EGEN 208 therefore I am requesting that EGEN 208 and M 162 or higher be added as prerequisites for this class.

Please provide the following information:

College: COTS**Program Area:** Civil Engineering Technology**Date:** 9/28/21**Course Prefix & No.:** ETCC 307**Course Title:** Structural Analysis**Credits:** 3**Required by:** Civil Engineering Technology (B21)**Selective in:** none**Elective in:** none**General Education:** no**Lecture:** ETCC 307, TR 1100-1215**Lecture/Lab:** NA**Gradable Lab:** NA**Contact hours lecture:** 3**Contact hours lab:** NA**Current Catalog Description (include all prerequisites):****ETCC 307. Structural Analysis. 3 Credits.**

Loads on building according to Uniform Building Code (UBC). Internal forces and deformations of statically determinate trusses and frames. Influence lines and moving loads. Introduction to matrix-displacement method of structural analysis. Using software for structural analysis.

Proposed or New Catalog Description (include all prerequisites):**ETCC 307. Structural Analysis. 3 Credits.**

Loads on building according to Uniform Building Code (UBC). Internal forces and deformations of statically determinate trusses and frames. Influence lines and moving loads. Introduction to

matrix-displacement method of structural analysis. Using software for structural analysis.
Prerequisite: M 162 or higher, EGEN 208

Course Outcome Objectives:

ABET Program Outcomes:

A. Student Outcomes

1. an ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline;
2. an ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline;
3. an ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature;

B. Curriculum Requirements:

4. application of fundamental computational methods and elementary analytical techniques in sub-disciplines related to civil engineering;
5. planning and preparation of documents appropriate for design and construction;
7. selection of appropriate engineering materials and practices; and
8. performance of standard analysis and design in at least three sub-disciplines related to civil engineering.

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

Updated 09/29/05

COURSE REVISION FORM

NEW _____ DROPPED _____ MAJOR REVISION X FOR INFORMATION ONLY _____

College COTS Program Area Civil Engineering Technology Date 9/28/21

Submitter Anna Bower Signature Anna Bower Dean Daniel E. L... Signature (indicates "college" level approval) Date 7.28.21

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

This class uses calculus, so M162-Applied Calculus or higher should be a prerequisite.

Please provide the following information:

Additionally, EGEN 208 should be a prerequisite since this class uses many techniques introduced in EGEN 208

College: COTS

Program Area: Civil Engineering Technology

Date: 9/28/21

Course Prefix & No.: ETCC 307

Course Title: Structural Analysis

Credits: 3

Required by: Civil Engineering Technology (B21)

Selective in: none

Elective in: none

General Education: none

Lecture: ETCC 307, TR 1160-1215

Lecture/Lab: N/A

Gradable Lab: N/A

Contact hours lecture: 3

Contact hours lab: N/A

Current Catalog Description (include all prerequisites):

See Attached

Proposed or New Catalog Description (include all prerequisites):

See Attached: Same Description but with new prerequisite.

Course Outcome Objectives:

See Attached

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

Current Catalog Description:

ETCC 307. Structural Analysis. 3 Credits.

Loads on building according to Uniform Building Code (UBC). Internal forces and deformations of statically determinate trusses and frames. Influence lines and moving loads. Introduction to matrix-displacement method of structural analysis. Using software for structural analysis.

Proposed or New Catalog Description:

ETCC 307. Structural Analysis. 3 Credits.

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