

New Graduate Course Proposal

Form Procedure

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Course Title

Course Title: * Construction Management Thesis

Proposed Banner Abbreviation: * CM Thesis

Banner limit of 30 characters, including punctuation, spaces, and special characters.

Department/Committee Information

The main contact person for the Graduate Curriculum Committee should fill out this form.

Requestor Name: * Nirajan Mani

Members of the Graduate Curriculum Committee: Dr. Nirajan Mani, Dr. Wayne Whitfield, Dr. Soumitra Basu, Dr. Abdel Gabar Mustafa, Dr. Hong Yu

Department / Unit Developing: * Engineering Technology

Chair of Department for Program: * Nirajan Mani Chair Email: * Nirajan Mani nmani@fitchburg

Academic Dean of Department or Program: * Margaret Hoey Academic Dean E-mail: * <Dr. Hoey> mhoey@fitchburg

Program Chair Yes
 No
The Program Chair for this request is among the people listed above.

Course Information

Course Description

* Construction Management Thesis will be developed under the supervision of a thesis chair and a thesis committee of at least two additional faculty. This is required for the Master of Science degree in Construction Management with Thesis option.

Rationale and expected outcomes of offering the Course

* The course requires individual effort that is overseen by the course instructor (Thesis Advisor). The preparation and defense of master's thesis is the culminating experience in the M.S. in Construction Management Program. Students are expected to work with a high level of self-motivation. Successful students exercise initiative and exhibit strong communication skills in working with their advisors and committee members.

Expected Outcomes:

1. Design and execute a meaningful research project that demonstrates and uses the knowledge and skills learned while in the M.S. in Construction Management Program.
2. Undertake the research process and be aware of research obligations and pitfalls.
3. Articulate research or project objectives clearly, situate research within an academic or scholarly context, state claims and evidence clearly, assess validity of claims, evidence, outcomes, and results
4. Utilize a bibliographic reference manager competently and efficiently to produce documents that meet M.S. in CM program requirements
5. Narrate the research process clearly in the form of a formal multi-chapter master's thesis manuscript, structured according to the approved M.S. in CM thesis style
6. Describe master's research clearly and succinctly, in written and oral forms, to faculty, mentors, and potential sponsors.
7. Contribute the body of knowledge in construction engineering and management areas

Number of Credits: * 6

Discipline Prefix or Prefixes:

* CMGT

Brief rationale if more than one prefix:

Level of Course:

- * 7000
 8000
 9000

Brief rationale for level choice::

* M.S.C.M. Thesis course

The course will be:

- Requirement
 Elective

Elective or Requirement Note/Special:

Required course for Construction Management Thesis Option

Is there a similar undergraduate course?

- * Yes
 No

Does this course affect offerings in any other department or program?

- * Yes
 No

Course Enrollment

Expected Average Enrollment:

* 12

This course is a replacement for:

Course # / Name

Has the course been offered previously as a "Topics" course?

- * Yes
 No

Is this an Extended Campus Course?

- * Yes
 No

Which semester will this course be offered for the first time?:

* Fall 2024

How often thereafter to be offered?:

* Annually

Course Requirements

Prerequisite course(s) if any:

Additional Requirements

Laboratory Hours:

Fieldwork Hours:

Pre-Practicum Hours:

Practicum Hours:

Other Requirements (specify):

Graduate Standing and upon approval from Graduate CM Program Chair

Syllabus Upload

New Course Syllabus Upload:

MSCM_Syllabus_MS_Thesis_Final.pdf

Signatures

*Click on the **Submit Form** button at the bottom of the page after you have signed the form. You should receive an email confirmation that your signature has been completed.*

...3130343336

Nirajan Mari

Requester Signature

03/21/2022

Date

...3539363036

Nirajan Mari

Department Chair Approval

04/18/2022

Date

Academic Dean Signature

Date

SGOCE Dean Signature

Date

Approval of the Graduate Council

Date

Approval of the President

Date

Notification

Reviewed by the Registrar: _____

Reviewed by the Library: _____

Retired form

SGOCE Admin. Assistant
Signature

Electronically signed by Denise Bertrand on 05/01/2022 1:06:23 PM



School of Graduate Online and Continuing Education (SGOCE)
Department of Engineering Technology
SYLLABUS
FALL 2024

Class Information:

Course: CMGT 9XXX (Construction Management Thesis)
Credits: 3
Class Modality: Online
Class Start Date: TBD
Class End Date: TBD

Instructor Information:

Dr. Nirajan Mani
Office: CNIC 209A
Phone: 978-665-4843
Email: nmani@fitchburgstate.edu
Office Hours: M/W (11:00 A. M. – 12:15 P. M.) (By Appointment)

Textbook:

None

Supplementary Materials: Handout materials will be provided by instructor

Catalog Description:

Construction Management Thesis will be developed under the supervision of a thesis chair and a thesis committee of at least two additional faculty. This is required for the Master of Science degree in Construction Management with Thesis option.

Prerequisite: Graduate student standing in Construction Management program

Recommended Preparation: Students must be enrolled in the M.S. in Construction Management Program and have an approved thesis proposal, with an advisor and committee members assigned.

Course Objectives:

The course requires individual effort that is overseen by the course instructor (Thesis Advisor). The preparation and defense of master's thesis is the culminating experience in the M.S. in Construction Management Program. Students are expected to work with a high level of self-motivation. Successful students exercise initiative and exhibit strong communication skills in working with their advisors and committee members.

Students Learning Outcomes:

Student will:

1. Design and execute a meaningful research project that demonstrates and uses the knowledge and skills learned while in the M.S. in Construction Management Program.
2. Undertake the research process and be aware of research obligations and pitfalls.
3. Articulate research or project objectives clearly, situate research within an academic or scholarly context, state claims and evidence clearly, assess validity of claims, evidence, outcomes, and results
4. Utilize a bibliographic reference manager competently and efficiently to produce documents that meet M.S. in CM program requirements
5. Narrate the research process clearly in the form of a formal multi-chapter master's thesis manuscript, structured according to the approved M.S. in CM thesis style
6. Describe master's research clearly and succinctly, in written and oral forms, to faculty, mentors, and potential sponsors.
7. Contribute the body of knowledge in construction engineering and management areas

Learning Outcomes Assessment:

Assessment tools for the above learning outcomes include research activities and master's thesis preparation and presentation (outcomes: 1 to 7).

Instructor Availability:

Instructor will be available during weekdays to respond your questions or concern via university email. Please contact instructor via university email if you have any questions or concern to avoid spam issue. However, this is an online class, we will use Google Meet / Hangouts for all student requested meetings.

Instructional Strategies:

The course will be conducted in an online format. This course requires individual effort that is overseen by the course instructor (Thesis Advisor). Weekly or bi-weekly meetings will be held to discuss progress and review submitted documents. Once the research and necessary analysis and results compilation are completed, then individual thesis chapters will be written and revised iteratively until we both agree that the document is ready for submission to the Thesis Committee. If the committee agrees, then a Defense of thesis will be held. Following successful completion of the Defense, the manuscript is revised a final time and once approved, can be uploaded. Upon successful completion of the thesis, students will receive a Passing or satisfactory (S) grade for this course.

Every effort will be made to meet the individual needs and various learning styles of the course participants. It is most important that you inform the instructor at the beginning of the semester of any particular unique needs.

Thesis Topics and Schedule:

In consultation with the course instructor or faculty thesis advisor, students will finalize thesis topics and develop their own work schedule. Students are suggested the following timetable to meet deadline for thesis submission.

Week 1:	Prepare work schedule and meet with thesis advisor
Week 2:	Committee meeting and begin technical work
Week 3 to 6:	Complete technical work
Week 7 to 10:	Prepare thesis draft
Week 11 to 12:	Revise thesis draft
Week 13:	Defense
Week 14:	Final revisions
Week 15:	Upload final thesis

Grading System:

Range	Letter Grade	Quality Points
95 - 100	A	4.0
92 - 94	A-	3.7
89 - 91	A- / B+	3.5
86 - 88	B+	3.3
83 - 85	B	3.0
80 - 82	B-	2.7
77 - 79	B- / C+	2.5
74 - 76	C+	2.3
71 - 73	C	2.0
0 - 70	C-	0
Withdrawn		W
Incomplete		IN
In-Progress		IP
Audit		AU
Satisfactory		S
Unsatisfactory		U

Evaluation Criteria:

After completion and uploading the final thesis, students will receive satisfactory (S) grade.

Student Responsibilities and Class Requirements:

Each student is responsible for completing all course requirements and for keeping up with all activities of the course. Students are required to complete all assigned homework, quizzes, exams, and project work by the given deadline.

Policy on Assignments:

All assignments must be turned in on the blackboard on Sundays per the documented dates in the syllabus. Feedback to your submissions will be posted on the blackboard within 72 hours (96 hours for a class of 60 or more students) after the weekly submission due date and time. It means that if you chose to submit your assignment early, it will be graded at the scheduled time and not before. Work submitted after due date will receive a grade of zero. All assignments must conform to APA writing style and include a reference list (not a work cited or bibliography).

Students with extenuating circumstances, such as a medical emergency or other emergencies must provide written proof of such event, and report such events within 24 hours and make arrangement to complete assignments in a timely manner. Failure to do so will result in a penalty up to 50%. Make up examinations (if part of course) will only be offered at the discretion of the instructor.

Technology Initiatives:

Users of the Fitchburg State University computer systems are subject to all applicable federal, state, and international computer laws. Questions regarding regulations may be directed to the office of Information Technology Systems.

(Note: It is recommended that students back up all of their work on a flash drive.)

Students will utilize technology as:

- A research tool; (a means of discovering current trends and substantive research articles in education)
- A communication method
- An enhancement tool for the design of PowerPoint presentations (for recorded presentations-individual/group)

Fitchburg State University Library Online Services:

The Fitchburg State University Library online services may be accessed through the Fitchburg State University Homepage <https://library.fitchburgstate.edu/>. Students may access any of several full-text online databases. Passwords are available to students by calling 978.665.3063. Students may access the Fitchburg State University Career Service and Counseling Services Center via the college's homepage at <https://www.fitchburgstate.edu/student-support/career-support/career-resources>.

Disabilities Accommodation:

Students requiring course alterations or accommodations due to a disability or emergency medical condition, should inform instructor as soon as possible. You should also work with the Disability Services Office (978-665-4020). They will provide you with the forms needed to determine the particular accommodations that your situation merits.

University Academic Dishonesty Policy:

Fitchburg State University's policy on Academic Dishonesty will be enforced in this course. Please refer to the university catalog on this policy. Plagiarism and cheating are inexcusable. Any instance of plagiarism or cheating will result in lowered grade and possible failing the course.

Note: The instructor reserves the right to modify this syllabus and schedule.