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| For Academic Affairs and Research Use Only | |
| Proposal Number |  |
| CIP Code: |  |
| Degree Code: |  |

**New or Modified Course Proposal Form**

**[ ] Undergraduate Curriculum Council**

**[X] Graduate Council**

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| **[X]New Course, [ ]Experimental Course (1-time offering), or [ ]Modified Course (Check one box)** |

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

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| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| Alexandr M. Sokolov 9/17/2022 **Department Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Head of Unit (if applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Director of Assessment (new courses only)** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Dean** | Alan Utter 10/26/2022  **Vice Chancellor for Academic Affairs** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **General Education Committee Chair (if applicable)** |  |

1. **Contact Person (Name, Email Address, Phone Number)**

Alexandr M. Sokolov,

asokolov@AState.edu

1-870-972-3635

1. **Proposed starting term and Bulletin year for new course or modification to take effect**

Fall 2023

**Instructions:**

*Please complete all sections unless otherwise noted. For course modifications, sections with a “Modification requested?” prompt need not be completed if the answer is “No.”*

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|  | **Current (Course Modifications Only)** | **Proposed (New or Modified)**  *(Indicate “N/A” if no modification)* |
| **Prefix** |  | **EGRM** |
| **Number\*** |  | **689V** |
| **Title**  (include a short title that’s 30 characters or fewer) |  | **Thesis** |
| **Description\*\*** |  | **MSEM Thesis**  **Sem. Hrs: Variable** |

***\**** Confirm with the Registrar’s Office that number chosen has not been used before and is available for use. For variable credit courses, indicate variable range. *Proposed number for experimental course is 9*.

\*\*Forty words or fewer (excepting prerequisites and other restrictions) as it should appear in the Bulletin.

1. **Proposed prerequisites and major restrictions** **[Modification requested? Yes/No]**

(Indicate all prerequisites. If this course is restricted to a specific major, which major. If a student does not have the prerequisites or does not have the appropriate major, the student will not be allowed to register).

1. Yes Are there any prerequisites?
   1. If yes, which ones?

Director Approval

* 1. Why or why not?

This is a thesis class. No student should be taking this without the director’s permission.

1. No Is this course restricted to a specific major?
   1. If yes, which major?
2. **Proposed course frequency [Modification requested? Yes/No]**

(e.g. Fall, Spring, Summer; if irregularly offered, please indicate, “irregular.”) *Not applicable to Graduate courses.*

N/A

1. **Proposed course type [Modification requested? Yes/No]**

Will this course be lecture only, lab only, lecture and lab, activity (e.g., physical education), dissertation/thesis, capstone, independent study, internship/practicum, seminar, special topics, or studio? Please choose one.

Thesis

1. **Proposed grade type [Modification requested? Yes/No]**

What is the grade type (i.e. standard letter, credit/no credit, pass/fail, no grade, developmental, or other [please elaborate])

Standard Letter

1. No Is this course dual-listed (undergraduate/graduate)?
2. No Is this course cross-listed?

*(If it is, all course entries must be identical including course descriptions. Submit appropriate documentation for requested changes. It is important to check the course description of an existing course when adding a new cross-listed course.)*

**a.** – If yes, please list the prefix and course number of the cross-listed course.

Enter text...

**b.** – **Yes / No** Can the cross-listed course be used to satisfy the prerequisite or degree requirements this course satisfies?

Enter text...

1. Yes Is this course in support of a new program?

a. If yes, what program?

MSEM

1. No Will this course be a one-to-one equivalent to a deleted course or previous version of this course (please check with the Registrar if unsure)?

a. If yes, which course?

Enter text...

**Course Details**

1. **Proposed outline** **[Modification requested? Yes/No]**

(The course outline should be topical by weeks and should be sufficient in detail to allow for judgment of the content of the course.)

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| Week 1 | Develop Problem statement and scope of work |
| Week 2 | Independent research with guidance from a faculty member |
| Week 3 | Independent research with guidance from a faculty member |
| Week 4 | Independent research with guidance from a faculty member |
| Week 5 | Independent research with guidance from a faculty member |
| Week 6 | Independent research with guidance from a faculty member |
| Week 7 | Independent research with guidance from a faculty member |
| Week 8 | Independent research with guidance from a faculty member |
| Week 9 | Independent research with guidance from a faculty member |
| Week 10 | Independent research with guidance from a faculty member |
| Week 11 | Independent research with guidance from a faculty member |
| Week 12 | Independent research with guidance from a faculty member |
| Week 13 | Independent research with guidance from a faculty member |
| Week 14 | Orally present results in a research seminar and submit a written report or thesis. |

1. **Proposed special features** **[Modification requested? Yes/No]**

(e.g. labs, exhibits, site visitations, etc.)

No

1. **Department staffing and classroom/lab resources**

Engineering Management/ Construction Management

1. Will this require additional faculty, supplies, etc.?

No

1. No Does this course require course fees?

*If yes: please attach the New Program Tuition and Fees form, which is available from the UCC website.*

**Justification**

**Modification Justification (Course Modifications Only)**

1. Justification for Modification(s)

Enter text...

**New Course Justification (New Courses Only)**

1. Justification for course. Must include:

a. Academic rationale and goals for the course (skills or level of knowledge students can be expected to attain)

Students up till now have not had the ability to participate in research for the Master of Engineering Management degree. This Master of Science in Engineering Management degree will allow students to have the ability to conduct a thesis for graduation and be more competitive with other Engineering Management degree holders.

b. How does the course fit with the mission of the department? If course is mandated by an accrediting or certifying agency, include the directive.

This course allows students to conduct Engineering Management research which allows the department to focus on experiential learning.

1. Student population served.

Local, regional, and global.

1. Rationale for the level of the course (lower, upper, or graduate).

Since this is a thesis course, it is a graduate level course.

**Assessment**

**Assessment Plan Modifications (Course Modifications Only)**

1. **Yes / No** Do the proposed modifications result in a change to the assessment plan?

*If yes, please complete the Assessment section of the proposal*

**Relationship with Current Program-Level Assessment Process (Course modifications skip this section unless the answer to #18 is “Yes”)**

1. What is/are the intended program-level learning outcome/s for students enrolled in this course? Where will this course fit into an already existing program assessment process?

Enter text...

1. Considering the indicated program-level learning outcome/s (from question #19), please fill out the following table to show how and where this course fits into the program’s continuous improvement assessment process.

*For further assistance, please see the ‘Expanded Instructions’ document available on the UCC - Forms website for guidance, or contact the Office of Assessment at 870-972-2989.*

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| **Program-Level Outcome 1 (from question #19)** | Graduates of the Master of Science in Engineering Management program will be able to identify critical issues, formulate realistic solutions, evaluate alternatives, and solve technical problems. |
| Assessment Measure | Design Process, Content, Analysis, Communication, Control of Syntax and Mechanics, & Sources and Evidence (Will come from Capstone Scoring Rubric.) Indirect: Exit Survey |
| Assessment  Timetable | Every time it is offered |
| Who is responsible for assessing and reporting on the results? | Program director and/or course instructor |

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| **Program-Level Outcome 2 (from question #19)** | Graduates of the Master of Science in Engineering Management program will be able to interpret statistical or deterministic models and concepts as well as apply them to technical problems. |
| Assessment Measure | Design Process, Content, Analysis, Communication, Control of Syntax and Mechanics, & Sources and Evidence (Will come from Capstone Scoring Rubric.) Indirect: Exit Survey |
| Assessment  Timetable | Every time it is offered |
| Who is responsible for assessing and reporting on the results? | Program director and/or course instructor |

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| **Program-Level Outcome 3 (from question #19)** | Graduates of the Master of Science in Engineering Management program will be able to communicate effectively, both orally and in writing, to express alternatives and solutions dealing with technical problems. |
| Assessment Measure | Design Process, Content, Analysis, Communication, Control of Syntax and Mechanics, & Sources and Evidence (Will come from Capstone Scoring Rubric.) Indirect: Exit Survey |
| Assessment  Timetable | Every time it is offered |
| Who is responsible for assessing and reporting on the results? | Program director and/or course instructor |

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| **Program-Level Outcome 4 (from question #19)** | Graduates of the Master of Science in Engineering Management program will be able to function effectively as a member or leader on a technical team. |
| Assessment Measure | Design Process, Content, Analysis, Communication, Control of Syntax and Mechanics, & Sources and Evidence (Will come from Capstone Scoring Rubric.) Indirect: Exit Survey |
| Assessment  Timetable | Every time it is offered |
| Who is responsible for assessing and reporting on the results? | Program director and/or course instructor |

*(Repeat if this new course will support additional program-level outcomes)*

**Course-Level Outcomes**

1. What are the course-level outcomes for students enrolled in this course and the associated assessment measures?

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| **Outcome 1** | Graduates of the Master of Science in Engineering Management program will be able to identify critical issues, formulate realistic solutions, evaluate alternatives, and solve technical problems. |
| Which learning activities are responsible for this outcome? | Thesis report and oral presentation |
| Assessment Measure | Design Process, Content, Analysis, Communication, Control of Syntax and Mechanics, & Sources and Evidence (Will come from Capstone Scoring Rubric.) Indirect: Exit Survey |

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| **Outcome 2** | Graduates of the Master of Science in Engineering Management program will be able to interpret statistical or deterministic models and concepts as well as apply them to technical problems. |
| Which learning activities are responsible for this outcome? | Thesis report and oral presentation |
| Assessment Measure | Design Process, Content, Analysis, Communication, Control of Syntax and Mechanics, & Sources and Evidence (Will come from Capstone Scoring Rubric.) Indirect: Exit Survey |

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| **Outcome 3** | Graduates of the Master of Science in Engineering Management program will be able to communicate effectively, both orally and in writing, to express alternatives and solutions dealing with technical problems. |
| Which learning activities are responsible for this outcome? | Thesis report and oral presentation |
| Assessment Measure | Design Process, Content, Analysis, Communication, Control of Syntax and Mechanics, & Sources and Evidence (Will come from Capstone Scoring Rubric.) Indirect: Exit Survey |

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| **Outcome 4** | Graduates of the Master of Science in Engineering Management program will be able to function effectively as a member or leader on a technical team. |
| Which learning activities are responsible for this outcome? | Thesis report and oral presentation |
| Assessment Measure | Design Process, Content, Analysis, Communication, Control of Syntax and Mechanics, & Sources and Evidence (Will come from Capstone Scoring Rubric.) Indirect: Exit Survey |

*(Repeat if needed for additional outcomes)*

**Bulletin Changes**

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| **Instructions** |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Please include a before (with changed areas highlighted) and after of all affected sections.**  **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.** |

EGRM 689V - Thesis

Sem. Hrs: Variable