

SYSTEMS ENGINEERING AND OPERATIONS RESEARCH (SEOR)

700 Level Courses

SEOR 750: *Advanced Topics in Systems Engineering and Operations Research.* 3 credits.

Advanced topics, applications, or recent developments in the interface of systems engineering and operations research. Course content may vary each semester depending on instructor and the perception of students' needs. May be repeated for credit when topics are distinctly different. Offered by Systems Engr & Operations Rsch (<http://catalog.gmu.edu/colleges-schools/engineering-computing/engineering/systems-operations-research/>). May be repeated within the degree for a maximum 12 credits.

Specialized Designation: Topic Varies

Recommended Prerequisite: 600-level course.

Registration Restrictions:

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Enrollment limited to students in the College of Science, Engineering Computing or Schar School of Policy and Gov colleges.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

SEOR 796: *Directed Reading and Research.* 1-3 credits.

Reading and research on specific topic in systems engineering or operations research under direction of faculty member. Offered by Systems Engr & Operations Rsch (<http://catalog.gmu.edu/colleges-schools/engineering-computing/engineering/systems-operations-research/>). May be repeated within the degree for a maximum 6 credits.

Registration Restrictions:

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Enrollment limited to students in the College of Science, Engineering Computing or Schar School of Policy and Gov colleges.

Schedule Type: Independent Study

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

800 Level Courses

SEOR 800: *Systems Engineering and Operations Research Colloquium I.* 0 credits.

Students in this course are required to attend at least five departmental colloquium events in a semester. These are talks given by distinguished speakers, faculty candidates, and Mason faculty. Students may attend related seminars with prior approval of the course coordinator. Doctoral students must take this course for at least three semesters prior to registering for SEOR 997. Offered by Systems Engr & Operations Rsch (<http://catalog.gmu.edu/colleges-schools/engineering-computing/>

<http://catalog.gmu.edu/colleges-schools/engineering-computing/engineering/systems-operations-research/>). May be repeated within the degree.

Registration Restrictions:

Enrollment limited to students with a class of Advanced to Candidacy or Graduate.

Enrollment is limited to students with a major in Systems Engineering Ops Rsch.

Enrollment limited to students in a Doctor of Philosophy degree.

Schedule Type: Seminar

Grading:

This course is graded on the Satisfactory/No Credit scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

900 Level Courses

SEOR 997: *Systems Engineering and Operations Research Colloquium II.* 3 credits.

Students in this course are required to attend at least five departmental colloquium events in a semester. Students must also give one presentation of their research in a public forum open to SEOR students and faculty. Students must successfully complete three semesters of SEOR 800 prior to registering for SEOR 997. Offered by Systems Engr & Operations Rsch (<http://catalog.gmu.edu/colleges-schools/engineering-computing/engineering/systems-operations-research/>). May be repeated within the degree.

Recommended Prerequisite: Completion of 3 semesters of SEOR 800

Registration Restrictions:

Required Prerequisite: SEOR 800.

Enrollment limited to students with a class of Advanced to Candidacy or Graduate.

Enrollment is limited to students with a major in Systems Engineering Ops Rsch.

Enrollment limited to students in a Doctor of Philosophy degree.

Schedule Type: Seminar

Grading:

This course is graded on the Satisfactory/No Credit scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

SEOR 998: *Doctoral Dissertation Proposal.* 1-12 credits.

Work on research proposal that forms basis for doctoral dissertation. Notes: No more than 24 credits of SEOR 998 and 999 may be applied to doctoral degree requirements. Offered by Systems Engr & Operations Rsch (<http://catalog.gmu.edu/colleges-schools/engineering-computing/engineering/systems-operations-research/>). May be repeated within the degree.

Registration Restrictions:

Enrollment is limited to Graduate level students.

Enrollment limited to students in the Engineering Computing college.

Schedule Type: Dissertation

Grading:

This course is graded on the Satisfactory/No Credit scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

SEOR 999: *Doctoral Dissertation.* 1-12 credits.

Formal record of commitment to doctoral dissertation research under direction of faculty member approved by SEOR Department. Offered by Systems Engr & Operations Rsch (<http://catalog.gmu.edu/colleges-schools/engineering-computing/engineering/systems-operations-research/>). May be repeated within the degree.

Registration Restrictions:

Enrollment limited to students with a class of Advanced to Candidacy.

Enrollment is limited to Graduate level students.

Enrollment limited to students in the Engineering Computing college.

Schedule Type: Dissertation

Grading:

This course is graded on the Satisfactory/No Credit scale. (<http://catalog.gmu.edu/policies/academic/grading/>)