Course Change Request

New Course Proposal

Date Submitted: 10/04/23 4:15 pm

Viewing: MATH 798 : Directed Reading or

Research

Last edit: 11/30/23 9:48 am

Changes proposed by: rgoldin

Programs referencing this course <u>SC-MS-MATH: Mathematics, MS</u>

Are you completing this form on someone else's behalf?

No

- Effective Term: Fall 2024
- Subject Code: MATH Mathematics

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

- Catalog Title: Directed Reading or Research
- Banner Title: Directed Reading or Research
- Will section titles No vary by semester?
- Credits: 1-6
- Schedule Type: Thesis

Hours of Other Contact Hours per 1-6 week:

Repeatable: May be repeated within degree (RD)

In Workflow

1. MATH Chair

- 2. SC Curriculum Committee
- 3. SC Assistant Dean
- 4. Assoc Provost-Graduate
- 5. Registrar-Courses
- 6. Banner

Approval Path

 1. 11/09/23 3:37 pm Maria Emelianenko (memelian): Approved for MATH Chair

Course Number: 798

1/3

Max Allowable Credits:	6
Default Grade Mode:	Satisfactory/No Credit
Recommended Prerequisite(s): 15 credits of gradua	te courses in mathematics
Recommended Corequisite(s):	

Required Prerequisite(s) / Corequisite(s) (Updates only):

Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):

And/Or	(Course/Test Code	Min Grade/Score	Academic Level)	Concurrency?

Registration Restrictions (Updates only):

Registrar's Office Use Only - Registration Restrictions:

Field(s) of Study:

Class(es):

Level(s):

Degree(s):

School(s):

Catalog

Description:

Research project, directed reading and/or investigative topic chosen and completed under the guidance of a graduate faculty member resulting in an acceptable technical report, department talk, and/or progress toward the creative component for the MS degree. Students are encouraged to take 3 credits of MATH 798 before taking MATH 799.

Justification:

Students currently enrolled in MATH 799 who change their mind in the second semester and do not want to do a thesis have no option to retain credit for their work. If they instead registered for MATH 798 while they

MATH 798: Directed Reading or Research

begin their initial work, they could follow up with MATH 799 the subsequent semester if they want to do a thesis or proceed to choose another option for the creative component of the MS degree.

This course is needed for better accounting of student activity related to completing the creative component of the MS degree. It will allow students who are unsure if they want to write a thesis to pursue and explore a research project, with the option to do a thesis subsequently, without risking not earning credit for their efforts.

Does this course cover material which No crosses into another department?

Learning Outcomes:

Will this course be scheduled as a cross- No level cross listed section?

Attach Syllabus 798 Proposed Syllabus.pdf

Additional Attachments

Staffing:

This course would be taught by individual faculty who take on students already for MS theses or other individualized study.

Relationship to

Existing Programs:

This course would be helpful especially to MS students in Mathematics, who would be able to pursue specific research projects under the supervision of faculty.

Relationship to

Existing Courses:

There is no known overlap with existing courses at Mason. This course is similar to PHYS 798 which is used in a similar way in their department.

Additional Comments:

Reviewer Comments Gregory Craft (gcraft) (11/30/23 9:48 am): uploaded new syllabus

Key: 18312

Math 798 Directed Reading or Research Syllabus

Instructor: Various

Goals: Research project, directed reading and/or investigative topic chosen and completed under the guidance of a graduate faculty member resulting in an acceptable technical report, department talk, and/or progress toward the creative component of the MS degree. Offered by Mathematics.

Credit hours: 1-6

Grade mode: Satisfactory/No Credit

Recommended prerequisites: Fifteen graduate credits and permission of instructor. Enrollment is limited to Graduate Students.

Textbooks: The course materials will be determined on a case by case basis, with the guidance of the faculty member.

Course Schedule:

- Weeks 1-7 Reading
- Week 8 Preliminary draft of presentation
- Weeks 8-14 Reading
- Final exam period: Formal presentation of materials or master's degree presentation

Course Logistics: The class revolves around directed reading and/or investigation, and as such is quite individualized in nature. The precise details of the material covered and the location and frequency of meeting times will be determined in an agreement between the faculty member and student. Often this agreement will include meeting once every week, but this is not the only possible arrangement. It will be expected that in preparation for meetings with faculty, the student will work on material independently, and that they will come to meetings prepared to discuss a predetermined text or project. Once the schedule and format is agreed upon, the student is expected to keep to the schedule.

Grading: A grade of Satisfactory requires that a student has kept their agreed upon schedule and sufficiently absorbed the material so as to be able to give a full and accurate formal presentation of the materials or a master's degree presentation during the final exam period.

Course Policy: Students are expected to keep up with the material using the mutually agreed upon timeline. Under special circumstances (sickness, death, family emergency), a student may delay their pre-arranged calendar.

Academic Integrity and Honor Code:

GMU is an Honor Code university; please see the University Catalog for a full description of the code and the honor committee process (<u>https://oai.gmu.edu/mason-honor-code/</u>). The principle of academic integrity is taken very seriously, and violations are treated gravely. The integrity of the University community is affected by the individual choices made by each of us. As a Mason student, you should follow these fundamental principles at all times, as noted by the Honor Code.What does academic

integrity mean in this course? (1) All work submitted should be your own, without the use inappropriate assistance or resources, as defined by the assignment or faculty member; (2) When you use the work, the words, the images, or the ideas of others—including fellow students, online sites or tools, or your own prior creations—you must give full credit through accurate citations; (3) In creating your work, you should not take materials you are not authorized to use, or falsely represent ideas or processes regarding your work. If you are uncertain about the ground rules or ethical expectations regarding the integrity of your work, you should ask your instructor for clarification. Support for you to complete your work is available; no grade is important enough to justify academic misconduct.

Any student use of Generative-AI tools should follow the fundamental principles of the Honor Code.

Instructor-Student communication:

Communication between the student and faculty is essential, and every effort will be made on both sides to respond emails in a timely matter. At longest, this means within two business days.

Disability Accommodations:

Disability Services at George Mason University is committed to providing equitable access to learning opportunities for all students by upholding the laws that ensure equal treatment of people with disabilities. If you are seeking accommodations for this class, please first visit http://ds.gmu.edu/ for detailed information about the Disability Services registration process. Then please discuss your approved accommodations with me. Disability Services is located in Student Union Building I (SUB I), Suite 2500. Email:ods@gmu.edu | Phone: (703) 993-2474.

Writing Center:

The staff of the George Mason University Writing Center offers resources and services (e.g., tutoring, workshops, writing guides, handbooks) to support students in their writing assignments.