



**CATALOG YEAR 2006-2008**  
**(Please use separate form for each add/change)**

COLLEGE: Arts and Sciences

Current Catalog Page(s) Affected: Not in printed catalog. See online catalog at  
<http://www.tamui.edu/catalog/current/courses/math5190.shtml>

**Course: MATH 5190** Add:  Delete:  Change: Number X Title   
(check all that apply) SCH  Description  Prerequisite

If new, provide Course Prefix, Number, Title, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current catalog, provide change and attach page with changes in red and provide a brief justification.

**Old:**

**MATH 5190** *Mathematics Seminar*. Three semester hours.

A seminar presents diverse topics from pure and applied mathematics. Students are encouraged to present a series of articles, journals and portions of monographs during the class meetings. May be repeated once when topics vary. Prerequisites: Graduate standing and permission of instructor.

**New:**

**MATH 5191** *Mathematics Seminar*. Three semester hours.

A seminar presents diverse topics from pure and applied mathematics. Students are encouraged to present a series of articles, journals and portions of monographs during the class meetings. May be repeated once when topics vary. Prerequisites: Graduate standing and permission of instructor.

**Justification:** Change clarifies that MATH 5190 and MATH 5290 are different courses (and not the same course with different numbers of credits). The course MATH 5290 appears described below and can be found online at <http://www.tamui.edu/catalog/current/courses/math5290.shtml>

**MATH 5290** *Research Methods in Mathematics*. Two semester hours.

This course deals with the basic tools of the mathematics to better understand mathematical research. Analytical concepts, survey research, in some cases, statistical/computational software and their methods will be the basis of this course. Prerequisites: Graduate standing and permission of the instructor.

**Program:** Add:  Change:  Attach new/changed Program of Study description and 4-year plan. If in current catalog, provide change and attach page with changes in red.

**Minor:** Add:  Delete:  Change:  Attach new/changed minor. If in current catalog, provide change and attach page with changes in red.

**Faculty:** Add:  Delete:  Change:  Attach new/changed faculty entry. If in current catalog, provide change and attach page with changes in red.

**College Introductory Pages:** Add information:  Change information:  Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

Approvals:

Signature

Date

Chair

Department Curriculum Committee

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Department

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College Curriculum Committee

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Dean

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# Syllabus

Course Number and Title	: MATH 5191 Mathematics Seminar
Prerequisite	: Graduate standing and permission of instructor.
Instructor	: To be determined
Semester	: To be determined
Office	: To be determined
Telephone Number	: To be determined
E-Mail	: To be determined
Class Hours	: To be determined
Class Room	: To be determined
Office Hours	: To be determined

## Objectives:

Upon the completion of this course, the student is expected to command an understanding of the content, materials, and contemporary issues specific to an application of Mathematics at the graduate level.

## Student Learning Outcome

Upon successful completion of the course, the student is expected to demonstrate good knowledge of the core topics of the course, develop proper problem-solving skills at the course level, and have the foundations for more advanced mathematics and mathematics-related studies.

## Textbook

1. **Required:** To be determined. ISBN-X-XXX-XXXXX-X
2. **Supplemental:** To be determined. ISBN-X-XXX-XXXXX-X

## Course Description:

A seminar presents diverse topics from pure and applied mathematics. Students are encouraged to present a series of articles, journals and portions of monographs during the class meetings. May be repeated once when topics vary.

## Skills Assessments

Students are expected to have comprehensive understanding of all topics treated in both the text and the lecture, and exams will test for knowledge of both. The readings, lectures, and class discussions are meant to supplement each other to carry on an inquiry into the topics at hand, although certain repetition and reinforcement are intended and desirable.

There will be assignments/homework/project, one midterm exam, and one final exam.

Attendance and participation are required at all class meetings. All students are responsible for all things taken up in class including announcements regardless of absences.

## Make-ups:

A student is allowed to arrange for a make-up exam only if that student was hospitalized or quarantined by a physician with a documented proof and such arrangement for make-up was done as soon as getting back. Unsubstantiated claims will receive a zero grade.

## GRADING POLICIES

Grades are recorded from A to F, inclusive and are mailed to students at the end of semester. Numerical values corresponding to these letters are as follows:

A	90-100, excellent
B	80-89, good
C	70-79, average
D	60-69, passing
F	Below 60, failure
W	Dropped or withdrawn
I	Incomplete

## ATTENDANCE POLICY

Frequent or persistent absences may preclude a passing grade or cause a student to be dropped from the course by the faculty.

A student who abandons the course without officially withdrawing will receive a grade of F, regardless of when that student ceases to attend.

### Class Format:

Class will consist of a mixture of lecture, discussion, and in class activities. Active participation in class is encouraged. It will always help to read material before the class in order to gain more from lectures and be more prepared for lively discussion in classroom.

### Evaluation:

1. There will be assignments/homework/project, one midterm, and a final examination. The aim is to ensure that you have understood the ideas and concepts presented and have gained certain ability to reason from a cognitive perspective. The final will be comprehensive.
2. Students are encouraged to participate in class discussions. The purpose of these is to allow a more in-depth discussion of the issues discussed in the lectures and readings.
3. All assignments/homework/project and requirements must be completed by the start of the final exam to pass the course.

Summary: Points will accumulate over the semester such that there will be:

	POSSIBLE POINTS TOTAL
1 Midterm Exam	X Points
1 Final	Y Points
assignments/homework/Project	Z Points
<b>TOTAL Possible Points</b>	<b>100 Points</b>

### Important Dates:

To be determined

## **Classroom Behavior**

The College of Arts and Sciences encourages classroom discussion and academic debate as an essential intellectual activity. It is essential that students learn to express and defend their beliefs, but it is also essential that they learn to listen and respond respectfully to others whose beliefs they may not share. The College will always tolerate diverse, unorthodox, and unpopular points of view, but it will not tolerate condescending or insulting remarks. When students verbally abuse or ridicule and intimidate others whose views they do not agree with, they subvert the free exchange of ideas that should characterize a university classroom. If their actions are deemed by the professor to be disruptive, they will be subject to appropriate disciplinary action, which may include being involuntarily withdrawn from the class.

## **Copyright Restrictions**

The Copyright Act of 1976 grants to copyright owners the exclusive right to reproduce their works and distribute copies of their work. Works that receive copyright protection include published works such as a textbook. Copying a textbook without permission from the owner of the copyright may constitute copyright infringement. Civil and criminal penalties may be assessed for copyright infringement. Civil penalties include damages up to \$100,000; criminal penalties include a fine up to \$250,000 and imprisonment.

Copyright laws do allow students and professors to make photocopies of copyrighted materials under strict conditions. You may not copy most, much less all, of a work, but you may copy a limited portion of a work, such as an article from a journal or a chapter from a book. These copies must be for your own personal academic use or, in the case of a professor, for personal, limited classroom use. In general, the extent of your copying should not suggest that the purpose or the effect of your copying is to avoid paying for the materials. And, of course, you may not sell these copies for a profit. Thus, students who copy textbooks to avoid buying them or professors who provide photocopies of textbooks to enable students to save money are both violating the law.

## **Plagiarism and Cheating**

Plagiarism is the presentation of someone else's work as one's own. Recently, the Internet has complicated the picture. Getting something from the Internet and presenting it as one's own is still plagiarism. Copying another student's paper or a portion of the paper - is usually called copying. Neither plagiarism nor copying will be tolerated. Should a faculty member discover that a student has committed plagiarism, the student will receive a grade of F in that course and the matter may, if necessary, be referred to the Associate Vice President for Student Affairs for possible disciplinary action.

## **Students with Disabilities**

Texas A&M International University seeks to provide reasonable accommodations for all qualified persons with disabilities. This University will adhere to all applicable federal, state, and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal education opportunity. It is the student's responsibility to register with the Disabilities Services Coordinator and to contact the faculty member in a timely fashion to arrange for suitable accommodations.

## **Incomplete Grade Assignments**

Incompletes are discouraged and are assigned only under extenuating circumstances. To qualify for an Incomplete, the student must be passing the course and have completed 85-90% of the course. An Incomplete is approved. In fairness to those students who complete the course as scheduled, only under extremely exceptional conditions will an Incomplete (I) be changed to an A.

### **Independent Study Courses**

Independent Study (IS) courses are offered only under exceptional circumstances. The chair of the department is to determine whether the IS will be offered on the basis of the students and the University's needs, as certified by the University Registrar. No student will take more than one IS course per semester. Moreover, IS courses are limited to seniors and graduate students. Summer IS course must continue through both summer sessions.

### **Student Responsibility For Dropping a Course**

It is the responsibility of the STUDENT to drop the course before the drop date. Faculty are not responsible for dropping students who suspend class attendance”.

### **Final Examination**

Final Examinations must be comprehensive and must be given on the day specified.

### **Student E-mail Address**

All students must obtain a TAMU e-mail address