

Syllabus: Methods of Applied Mathematics I

Information on the class web page supersedes any information on this sheet:
http://www.math.tamu.edu/~bonito/MTH601_2010_602.php

Instructor

ANDREA BONITO

Office: Blocker 641F

Office Hours: Mo and We 1:30 - 2:30 p.m. or by appointment,

Phone (979) 862 4873, email: bonito@math.tamu.edu.

Textbooks

- *Linear Algebra*, S. Lipschutz. Schaum's outlines, fourth edition. ISBN 978-0-07-154352-1.
- *Complex Variables*, M. Spiegel, S. Lipschutz, J. Schiller and D. Spellman. Schaum's outlines, second edition. ISBN 978-0-07-161569-3.

Course Description

Complex variables:	Complex Numbers; Functions, Limits, and Continuity; Complex Differentiation; Complex Integration, Infinite Series; The Residue Theorem.
Linear Algebra:	Vectors; Matrices; System of Linear Equations; Vector Spaces; Linear Mappings; Inner Product Spaces; Determinants; Dual Spaces.
Prerequisite:	MATH 308 or permission of the instructor.

Homework and Quizzes

Homework will not be announced in class but be posted on the class web site one week prior the due date (every Tuesday). I encourage you to discuss homework problems with your classmates, including strategies for solving different kinds of problems. The purpose of these homework assignments is that you obtain practice in the techniques discussed in class. Solving the problems diligently is therefore a vital component of your learning experience and will also prepare you for the quizzes and exams.

On a weekly basis on the due dates we will have a brief quiz (closed book, closed notes) with problem related to assigned homework. Your lowest quiz score will be dropped. If you feel that a quiz (or midterm) was incorrectly graded, you should attach a note of explanation to it and resubmit it within one week from the day that particular quiz was returned to the class.

Office Hours

You have priority over graduate students and other people I work with during my office hours. You are welcome to stop by without appointment during the office hours. *Please use the office hours!* If you are not able to come during regular office hours, you still have the possibility to schedule an appointment by email, I will do my best to be available.

Grading System

Exam	Tentative Date	Weight
Quizzes	About every week	30 %
Midterm examination	March 4	30 %
Final exam	May 12 (1pm-3pm)	40 %

The grades will be posted on the elearning system

<http://elearning.tamu.edu> .

Make-up

I request that absences including for religious holy day are announced the first two weeks of classes. *Mid-term and Final:* Excused absences for the midterm exam and final according to Rule seven (see Student Rules) will be dealt with on an individual basis, but require convincing documentation.

Quizzes: Make-ups will not be given for quizzes. However if you miss a quiz due to an authorized absence and you contact me immediately then your grade for the missed quiz will be the average of all your other quizzes.

Academic Integrity

The Aggie Honor Code “An Aggie does not lie, cheat or steal, or tolerate those who do” applies, see also the Honor Council Rules and Procedures at

<http://aggiehonor.tamu.edu> .

Students are strongly encouraged to work together and discuss homework problems with each other. However, copying or stealing work done by others is an act of academic dishonesty and will be persecuted according to the University policy.

Disabilities

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit

<http://disability.tamu.edu> .