

MATH 601 – 601: Methods of Applied Math I, Fall 2010

<http://www.math.tamu.edu/~jhauenst/math601>

8:00 – 9:15 am TH

BLOC 117

Instructor: Dr. Jonathan Hauenstein

Office Hours: Milner 123

TH: 9:30 – 11:00 am

Other times by appointment or drop-in

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Textbooks: *Schum's Outline of Linear Algebra, 4th Edition*. Lipschutz and Lipson, 2009.
Schum's Outline of Complex Variables, 2nd Edition. Spiegel, Lipschutz, Schiller, and Spellman, 2009.

Content: This class includes:

- Vectors, matrices, systems of linear equations, vector spaces, linear maps, inner product spaces, determinants, eigenvalues, singular values
- Complex functions, complex differentiation and integration, residue theorem, summation of series

Collaboration: Collaboration is encouraged for homework assignments. In order to promote understanding amongst everyone, each person in a group must write up and turn in their individual solutions. However, copying someone else's work is not acceptable and this act of academic dishonesty will be prosecuted following University policy.

Homework: Homework is designed to help students understand the material and to prepare them for the exams. Homework will be posted on the course webpage (<http://www.math.tamu.edu/~jhauenst/math601>). Unless noted otherwise, weekly homework will be collected at the beginning of class each Thursday. Late homework will only be accepted if the student has a University-approved excuse.

Homework will be graded according to the following scale:

- 0 – little or no work
- 1 – some work, but not complete
- 2 – all problems sufficiently attempted
- 3 – all problems nearly correct

Your final homework grade will be scaled to be out of 75 points. For example, if there are 10 homework assignments and you earned 28 out of the 30 possible points, your homework grade will 70 since $28/30 = 70/75$.

Exams: There will be 2 exams given during the semester and a comprehensive final exam. Make-up exams will only be given for a documented University-approved excuse. Students are required to notify the instructor by the end of the second working day after missing an exam.

Exam schedule:

- First exam: Thursday, October 7
- Second exam: Thursday, November 18
- Final exam: Monday, December 13, 1:00 – 3:00 pm

Exams will only be collected upon presentation of your Aggie Card.

Grading: The final grade will be based on the total points earned out of a possible 425 points. There are no opportunities for extra credit in this course.

Homework	75 points
Exams (2)	100 points each
Final Exam	150 points
Total	425 points

The grading scale will be

A	380 and above
B	335 – 379
C	290 – 334
D	245 – 289
F	Below 245

Before the final exam, I will compute a preliminary grade using the average of the first two exams as your score for the final exam. Each student will be given the opportunity to accept this grade without taking the final exam. If a student chooses not to accept this grade, the score on the final exam will be used to compute the final grade.

S/U grades: ‘S’ for a letter grade of C or above.

Incompletes: Incompletes will be considered if all but a small portion of the class has been successfully completed and are prevented from completing the course by a severe, unexpected, and documented event. Students who are simply behind in their work should consider dropping the course.

Disabilities: The American with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protections for persons with disabilities. Among other things, this legislation provides 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, Cain Hall, Room B118, (979) 845-1637. For additional information, visit <http://disability.tamu.edu>.

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Honor Code: “An Aggie does not lie, cheat or steal, or tolerate those who do.” For additional information, visit <http://www.tamu.edu/aggiehonor>.

Other websites: Campus emergency: <http://studentaffairs.tamu.edu/emergency>
Department of Mathematics: <http://www.math.tamu.edu>
Math Calclabs: <http://calclab.math.tamu.edu>
Student Rules: <http://student-rules.tamu.edu>

Disclaimer: In the interest of effective teaching, changes to the above information, including the dates of the midterm exams, may be made. Any changes will be announced in class and on the class web site.