Instructor: Dr. Huy V. Nguyen

Office: Math House 214

Office Hours: MoWe 1:30pm-4:30pm, TuTh 3:30-4:30pm. Others by email appointment.

E-mail: nguyenhv2@stthom.edu

Class Meeting Time: TuTh 2:10 - 3:25pm in Math 116.


Calculator: You may use any scientific or graphing calculator. However, you must show enough work. Answers without the proper supporting details will not receive full credit. Cellphone/calculator apps are NOT allowed.

Course Objectives:

• Improve fundamental skills in arithmetics and algebra, applied to complex numbers.
• Be able to represent complex number in vector and polar forms.
• Establish a solid understanding of functions of a complex variable. Know how to work with different types of elementary functions – polynomial, rational, exponential, logarithmic, trigonometric, hyperbolic and inverse functions.
• Understand the concepts of limit and continuity of complex functions. Introducing analytic and harmonic functions
• Learn techniques for complex differentiation and integration.
• Understand series representations for analytic functions.
• Know how to apply the Residue Theorem to evaluate integrals.

Course Structure:

Homework
Graded out of 10 points. Will be assigned at the end of each lecture. Due every Tuesday at the beginning of class. I will post which problems to turn-in on Blackboard by 5pm each Friday. Students must turn-in clear and complete solutions, these can be hand-written or typed, if a student is familiar with LaTeX.

Quizzes
Graded out of 10 points. Will be given every Thursday at the end of class to see how well the students have learned the recently covered materials. Each Quiz includes 2-4 problems that are very similar to the problems from the Homework.

Exams (3 total)
Graded out of 100 points each. These are designed to give the students an opportunity to demonstrate the skills and knowledge they have obtained and their mastery over the new concepts. The problems on the Exams are very similar to those on the Homework and the Quizzes.

Final Exam
Graded out of 100 points. Comprehensive. Given at the end of the semester to give the students a chance to demonstrate the skills and knowledge they have obtained throughout the semester. The problems on the Final Exam are very similar to those on the Exams, Quizzes, and the Homework.
Make-ups
No make-ups allowed. If you are late, you will not receive extra time. Any exceptions, university and/or emergency-related situations will be handled on a case-by-case basis. If you missed an exam or the final, you must contact the instructor within 24 hours.

Grading
Your grade will be calculated based on the following percentages:

- Homework: 7%
- Quizzes: 7%
- Exams (3): 60% (20% each)
- Final Exam: 26%

Your letter grades will be determined based on the following scale:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>92.5–100</td>
<td>A</td>
</tr>
<tr>
<td>86.5–89.4</td>
<td>B+</td>
</tr>
<tr>
<td>79.5–82.4</td>
<td>B–</td>
</tr>
<tr>
<td>72.5–76.4</td>
<td>C</td>
</tr>
<tr>
<td>66.5–69.4</td>
<td>D+</td>
</tr>
<tr>
<td>0–59.4</td>
<td>F</td>
</tr>
</tbody>
</table>

Blackboard
Blackboard (BB) will be our main platform of communication. Here you will find your grades, announcements, and any course documents. To access BB, go to https://blackboard.stthom.edu/. The login credentials for BB are your Celt username and password.

Important Dates
- Sep 6 – Last day to drop the course without academic penalty.
- Sep 20 – Exam 1.
- Oct 20 – Exam 2.
- Nov 4 – Last day to drop the course and receive W (Withdraw)
- Nov 17 – Exam 3.
- FINAL EXAM – THURSDAY, DEC 8 FROM 1:45PM–4:15PM – IN CLASS.

Attendance Policy
You must attend lectures in order to perform well in any math class. The official attendance policy of UST will be strictly enforced. Attendance will be taken every class and will be reported to the Office of the Registrar.

Classroom Conduct Policy
- No disruptive behaviors. Technologies are allowed as long as they are not distracting or interfering with another student’s learning.
- Be kind and respectful to each other.

Academic Integrity Policy
The official Academic Integrity Policy of UST will be strictly enforced.

Need help? Talk to me. Come by my office hours or email me to schedule an appointment if you have any question and/or concern. Any student with a disability requiring accommodations in this course is encouraged to contact Counseling and Disability Services in Crooker Center. Their offices can be reached at (713) 525-6953 or 2169.

HAVE A SUCCESSFUL SEMESTER! #GoCELTS