

**MAA 5404 Introduction to Complex Variables**  
**MTWRF Time 5th Period (12:30pm-1:45pm), LIT 127**

**Sum A 2019**

**Instructor:** Dr. Jason Harrington  
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**Course Description:** Complex numbers, analytic functions, Cauchy-Riemann equations, harmonic functions, elementary functions, integration, Cauchy-Goursat theorem, Cauchy integral formula, infinite series, residues and poles, conformal mapping. Credit will be given for, at most, MAA 4402 or MAA 5404.

**Prerequisites:** MAC 2313 or MAC 3474, and MAP 2302, both with minimum grades of C.

**Required Textbook:** Complex Variables and Applications, Ninth Edition by Brown and Churchill.

**Office Hours:** Monday 5th Period, Tuesday 6th Period, and Thursday 6th Period. You may schedule extra office hours by e-mail.

**Course Outline:** Topics from Chapters 1-8 of the text. Additional topics may be covered if time permits.

**Grades:** Your course grade is based on 2 exams worth 40% total, a final exam worth 25%, homework will count 20% total, Quizzes will count 15% total. We will use the following scale:

A [90,100]; A-[87,90); B+[83,87); B[80,83); B-[77,80)  
C+[73,77); C [68,73); D [60,68); E[0,60)

Your grade is your responsibility. You have exactly one week once your assignment has been returned to you to discuss that grade. After that week, the grade is final. No additional points will be awarded to “boost” your grade.

**Graduate Component:** Graduate students will have additional work to fulfill the graduate component. This includes take-home components to exams, additional homework, and covering different material.

**Homework:** Homework will be assigned regularly and selected problems from the textbook will be collected and graded. Credit will be taken off on any late assignment unless there is an acceptable excuse as judged by the instructor.

**Exams:** There will be two exams in class. The two exams dates provided on the schedule are TENTATIVE.  
Exam 1: May 24<sup>th</sup>, Exam 2: June 7<sup>th</sup>.

**Final Exam Date: June 21, 2019. Time: In Class**

**Honor Code:** On all work submitted for credit by students, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.”

**Attendance Policy:** Registration in this course obligates the student to be regular and punctual in class attendance. All late work will be penalized. Students will **NOT** be given the opportunity to complete old assignments at the end of the semester to improve their grades. Excused absences are consistent with university policies in the undergraduate catalog (<https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>) and require appropriate documentation.

**Calculator Policy:** You may need a scientific calculator, or graphing calculators to help with homework questions. A scientific calculator will be permitted on exams.

**Online course evaluation:** Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>

**Academic Honesty:** On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied:

"On my honor, I have neither given nor received unauthorized aid in doing this assignment."

The UF honor code is available here: <https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

**Students with Disability:** Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter, which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

**Resources:** Free tutoring is available at the Teaching Center that is located on the ground level of SW Broward Hall. The regular hours are Monday-Friday, 8am-5pm. Please check the website <http://www.teachingcenter.ufl.edu/> for any changes.

\* I reserve the right to change anything in this syllabus if needed. Please check the website for changes.

### MAA 4402, Summer A 2019

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
May 13th 1 <small>First day of class</small>	14th 2 <small>Last Day to ADD/DROP</small>	15th 3	16th 4	17th 5
20th 6	21st 7	22nd 8	23rd 9	24th 10 <b>Exam 1</b> <small>Fee payments due</small>
27th <u>Memorial Day</u>	28th 11	29th 12	30th 13	31st 14
June 3rd 15	4th 16	5th 17	6th 18	7th 19 <b>Exam 2</b>
10th 20	11th 21	12th 22	13th 23	14th 24 <small>Withdrawal Deadline</small>
17th 25	18th 26	19th 27	20th 28	21st 29 <b>Final Exam</b> <small>Classes End</small>