

SYLLABUS FOR MAA 4402 / MAA 5404 (COMPLEX ANALYSIS)

1. INSTRUCTOR INFORMATION

- Instructor: Jesse Thorner
- Office: LIT Room 460
- Email: jthorner@ufl.edu
- Office hours: MWF Period 2 (8:30am-9:20am). Also by appointment.

2. COURSE SPECIFICS

- Class location: LIT Room 0217
- Class time: MWF Period 3, 9:35am-10:25am
- Prerequisites: MAC 2313 or MAC 3474, and MAP 2302, both with minimum grades of C.
- Textbook: R.V. Churchill and J.W. Brown, Complex Variables and Applications, 9th Edition, McGraw-Hill.
- Website: Canvas, <https://people.clas.ufl.edu/jthorner/>
- 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.
- MAA 5404 Presentation: to be determined, probably to involve the Riemann zeta function and the distribution of primes (reading will be assigned)

3. DETERMINATION OF GRADES

- Two in-class midterm exams (tentatively February 12 and March 25): 15% each
- Final exam: Tuesday, April 28, 7:30am–9:30am
 - MAA 4402 — 40%
 - MAA 5404 — 30%
- Presentation
 - MAA 4402 — No presentation
 - MAA 5404 — 10%
- Weekly in-class quizzes (each Wednesday starting with January 15 except for the midterm dates and university holidays): 30%. I will drop the three lowest grades.
- Grade scheme: A final grade of at least 90% will guarantee a grade of at least A–. A final grade of at least 80% will guarantee a grade of at least B–. A final grade of at least 70% will guarantee a grade of at least C–.
- Grades for MAA 4402 and MAA 5404 will be computed separately.

4. WEEKLY QUIZZES

- Weekly homework will not be collected, but I will suggest several problems each week for you to work on. You can ask me questions about these problems during office hours. The quizzes will be based on these suggested problems.
- Since the three lowest quiz grades will be dropped, makeup quizzes will **not** be given.

5. MIDTERMS

- No outside sources are permitted except for a single-sided formula sheet.
- Makeup exams will **not** be given **except** in case of a medical emergency (e.g., hospitalization), representing the university in an official capacity (e.g., varsity sports game), or other university-approved situations (e.g., funeral for an immediate family member). I always require written confirmation (e.g., doctor's note, letter from coach confirming schedule, etc.).

6. ATTENDANCE

Attendance is not required, but it is highly recommended. For further guidance, see <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/#absencestext>.

7. UNIVERSITY OF FLORIDA POLICIES

7.1. **Grades.** Grading will be in accord with the UF policy stated at

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

7.2. **Honor code.** UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. 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 Honor Code specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

7.3. **Student accommodations.** Students with disabilities requesting accommodations should first register with the Disability Resource Center (<https://www.dso.ufl.edu/drc/>, 352-392-8565) 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.

7.4. **Course evaluation.** Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.ua.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.ua.ufl.edu/public-results/>.