



Complex Analysis S20

MAA 4402 / MAA 5404: Complex Analysis

University of Florida, Spring 2020

Little Hall 219, MWF6 (12:50–1:40)

Instructor information:

Vince Vatter

Office: Little Hall 412

Office hours: Mondays 7th period (1:55–2:45), Tuesdays 5th period (11:45–12:35), and by appointment.

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Homework

1. Homework 1: pdf or tex, due Wednesday 1/15.

Text:

Complex Variables and Applications, 9th edition, by Brown and Churchill. Students are highly recommended to purchase the book, but older editions will probably suffice.

Course Content:

Complex numbers, analytic functions, the Cauchy–Riemann equations, harmonic functions, elementary functions, integration, the Cauchy–Goursat theorem, the Cauchy integral formula, infinite series, residues, poles, and conformal mapping.

Assignments & grading:

We will have three exams throughout the semester, on **February 5**, **March 18**, and **April 22** (all are Wednesdays). Insofar as it is possible, these exams will *not* be cumulative. No books or notes will be allowed during the exams. In addition to the exams, we will have homework on a (roughly) weekly or biweekly basis. Late homework will not be accepted except by prior agreement.

Your course score will consist of your homework average (25% of the score) and the three midterm exams (each 25% of the score). Final letter grades will be assigned on a curve, which will be no tougher than the 10-point scale: 90%–100% will be some form of A, 80–90% will be at least some form of B, etc.

If you have a disagreement with the grading of one of your solutions, I ask that you submit a written request for reconsideration within one month.

Grading will be in accordance with the UF policy stated at <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

Expectations

Work submitted for a grade in this course will be graded in a rigorous fashion, and thusly, such work should have a great deal of thought and care put into it. Work which is sloppy or messy or that which is not written in a clear and coherent fashion will be marked down. This includes losing points for grammatical errors, spelling mistakes, and similar offenses.

Miscellaneous:

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.

Class Attendance: Attendance will not be monitored. If you are going to miss a day that homework is due, I ask that you either have someone else in the class bring your homework or email it to me before class. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

Accommodations for Students with Disabilities: Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <https://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.

Evaluations: 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

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.aa.ufl.edu/public-results/>.

Complaints: The official UF policy for filing a complaint about the course may be found [here](#).

Contact information for the Counseling and Wellness

Center: <http://www.counseling.ufl.edu/cwc/Default.aspx>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

U Matter, We Care: Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact umatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.



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