

# James Pascoe

Department of Mathematics



Home

CV

UF Analysis Seminar

SEAM 2021

2TART Seminar Series and Conference

MAA 4402

2TART Presents OTWIA

Old Information

## MAA 4402

### maa4402/5404 Spring 2021 SYLLABUS

This course has both face to face and simultaneous synchronous online versions using Zoom. It uses canvas. To protect student privacy, class meetings will not be recorded. Instructor and office hours

James Pascoe Class Period 6 MWF, OH Period 7M or by appt.

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. Prereq: (MAC 2313 or MAC 3474) and MAP 2302 with minimum grades of C.

#### Text book

Brown and Churchill, "Complex variables and applications"

#### Homework/Quizzes

There will be a weekly quiz / homework check. You will either be asked to do a problem similar to a homework problem OR asked to take a photo of a specific homework problem.

#### Exams.

There 3 exams (Jan 29, Mar 4, Apr 2) given in class on a Friday and a 1 final exam. (

Final Exam: 4/28/2021 @ 12:30 PM – 2:30 PM )**Attendance**

Attendance is required. Attendance will be taken at least 8 times. You must be present for at least 5 of these checks. This requirement may be waived in extenuating circumstances.

#### Grading

Exam 1 = 12% Jan 29

Exam 2 = 12% March 4

Exam 3 = 12% April 2

Final Exam = 14% Apr 28

Homework = 30%

Attendance = 20%.

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#### **Additional Information:**

##### *Grades.*

Grading will be in accord with the UF policy stated at

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

. Also see

[the current UF policy on assigning grade points.](#)     *Academic Honesty.*

The course will be conducted in accordance with the University honor code and academic honesty policy

*UF students are bound by The Honor Code 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 questions or concerns please consult with the instructor. Accommodation 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.

##### *Online Evaluations.*

"Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at

<https://evaluations.ufl.edu>

. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>."

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#### **Additional Information- Health and Wellness:**

U Matter, We Care:

If you or a friend is in distress, please contact [ummatter@ufl.edu](mailto:ummatter@ufl.edu) or 352-392-1575 so that a team member can reach out to the student.

Counseling and Wellness Center:

<https://www.counseling.ufl.edu> ; 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Assault Recovery Services (SARS):

Student Health Care Center, 392-1161.

University Police Department:

392-1111 or 9-1-1 for emergencies, <http://www.police.ufl.edu/>

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#### **Additional Information- Academic Resources:**

E-learning technical support

352-392-4357 (option 2)

[Learningsupport@ufl.edu](mailto:Learningsupport@ufl.edu)

Career Connections Center:

Reitz Union, 392-1601.

Career assistance and counseling, <https://career.ufl.edu>

Library Support:

<http://cms.uflib.ufl.edu/ask>

#### **Additional Information- Diversity Statement:**

The Mathematics Department is committed to diversity and inclusion of all students. We acknowledge, respect, and value the diverse nature, background and perspective of students and believe that it furthers academic achievements. It is our intent to present materials and activities that are respectful of diversity: race, color, creed, gender, gender identity, sexual orientation, age, religious status, national origin, ethnicity, disability, socioeconomic status, and any other distinguishing qualities.

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### Tentative weekly schedule (TBA)

Week 1 Course introduction

Week 2 Differentiation and Cauchy-Riemann equations

Week 3 Integration basics

Week 4 Review of special functions, with an emphasis on the logarithm.

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