

Sergei S. Pilyugin

Courses

MAA 4102/5104
Advanced
Calculus 1 E and
PS (Fall 2021)

MHF 3202 Sets
and Logic (Fall
2021)

MAA 4402/5404
Intro to Complex
Variables
(Summer 2021)

MAA 4103/5105
Advanced
Calculus 2 E and
PS (Spring 2021)

MAP 4484/5489
Mathematical
Modeling in
Biology Spring
2021

Publications

Research

Schedule

Related Links

MHF 3202 Sets and Logic (Fall 2021)

- **Instructor:** [Sergei S. Pilyugin](#)
- **Course web page:** https://people.clas.ufl.edu/pilyugin/courses/mhf3202_f2021/
- **Calendar and homeworks:**
https://people.clas.ufl.edu/pilyugin/courses/mhf3202_f2021_calendar/
- **Announcements:** The lectures will be delivered live in MAT 0013. Quizzes will be given in class. Take home writing projects will be posted and collected in Canvas.
- **Prerequisites:** Any 2000+ level UF math course with a minimum grade of C.
- **Time and Room:** MWF 6 (12:50-1:40 p.m.) in MAT 0013.
- **Textbook:** [Book of Proof](#), third edition, by Richard Hammack. The pdf is also available [here](#).
- **Critical dates:** 08/23 classes begin, 12/08 classes end. Writing projects: P1 – due on 09/17, P2 – due on 10/15, P3 – due on 11/01, P4 – due on 11/17, P5 – due on 12/06. Quizzes: Q1 – 09/03, Q2 – 09/20, Q3 – 10/06, Q4 – 10/22, Q5 – 11/12, Q6 – 12/03.
- **Holidays:** 09/06 Labor Day, 10/08-09 Homecoming, 11/11 Veterans Day, 11/24-27 Thanksgiving break.
- **Office Hours:** MF 3 (9:35-10:25 a.m.) via Zoom (see zoom info in Canvas) and W3-4 (9:35 – 11:30 a.m.) live in LIT 458, or by appointment. Please, use e-mail: pilyugin@ufl.edu for general inquiries or Canvas e-mail tool for all private communication including all questions regarding scores/grades. For more details, see my [schedule](#).
- **Description and Objectives of the Course:** This course is an introduction to the formal language of mathematics. The goal is to learn how to read, understand and write your own rigorous and precise mathematical arguments. You may be familiar with most of the factual content discussed in the examples, but the novelty is the mathematical rigor and the skill of formal writing.
- **Grading System:** There will be five take home writing projects (each worth 20%, best 4 count) and six in class quizzes (each worth 5%, best 4 count). There will be no final exam. The letter grade is determined according to the following table

Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D
Score	100 – 93	92 – 88	87 – 83	82 – 74	73 – 69	68 – 64	63 – 59	58 – 54	53 – 49	48 – 40

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- Course policies:
- UF Covid-19 policies: For policy updates please refer to the University of Florida list of Covid-19 related FAQ at <https://coronavirus.ufl.edu/faqs/>.
- Closed-book policy: No use of notes or books will be allowed during in-class quizzes.
- Grading disputes: Any issues or questions about the grading of exams must be brought to the instructor's attention within one week after the exams are returned to the class.
- Excused absences: In certain circumstances, a student will be able to make up a missed quiz. These circumstances could include medical situations, family emergencies, travel for University activities (eg. band, debating club, etc), and religious observances. In these cases the student must inform the instructor before or within one week after the missed work and **provide written documentation**. All make ups must be taken during the final exam time slot.
- Policy on class attendance: 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>
Most students benefit a great deal from attending class regularly. Arriving late and/or leaving early, reading the newspaper, looking at your cell phone, etc. disrupts the class and is rude and unprofessional.
- UF 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 TA's in this class."
- Diversity statement: The University of Florida and the Department of Mathematics are committed to diversity and inclusion of all students. We recognize the diversity of backgrounds and learning needs of our students and strive to create a more inclusive and welcoming environment for everyone. We strongly believe that an inclusive learning environment promotes higher academic achievements.
- 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 based on 10 criteria. These evaluations are conducted online at <https://gatorevals.aa.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.

Contact information for the Counseling and Wellness Center:
<https://counseling.ufl.edu/>, 392-1575; and the University Police Department: 392-1111
or 9-1-1 for emergencies.



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