

# MATH 421 Complex Analysis Fall 2015

**Class meets:** Monday, Wednesday, Friday 9:05-9:55 a.m. in 201 Osmond  
**Instructor:** **Victoria Sadovskaya** (you may call me Victoria)  
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*Office hours:* Monday 1:30-3:00 p.m., Wednesday and Friday 10:10-11:00 a.m.  
and by appointment  
**Course web page:** <http://www.personal.psu.edu/vxs137/421/421.html>

**Course description:** Algebra and geometry of complex numbers; infinite sequences and series; analytic functions; integration; power series; residue calculus; conformal mappings, applications.  
*Prerequisite:* Math 230, Math 232 or Math 405; Math 401 or Math 403.

**Text:** *Introduction to Complex Analysis* by H. A. Priestley, second edition.

**Homework** will be assigned and collected weekly. No late homework will be accepted, except in cases of illness or family emergency. Solutions of homework problems must be neatly and clearly written and logically structured. You may use without justification statements proved in class, results of previous homework assignments, and statements from the sections of the book that we already covered. You may discuss homework problems with me and with other students, but the final write-up must be your own.

**Exams:** There will be two in-class midterm exams and a two-hour comprehensive final exam. The dates of midterm exams will be announced two weeks in advance, and the final exam will be scheduled by the university during the final exam week, December 14-18. All students must plan to take exams at the scheduled times. If you are unable to attend a midterm exam you should notify me promptly. If there is a compelling reason for absence, such as illness or a family emergency, your score will be replaced by the final exam score. Otherwise, the score for the missed test will be zero.

**Attendance:** You are expected to attend every class. If you miss a class, you are responsible for learning the material covered and knowing the announcements made in class. Class attendance and participation will be considered in determining borderline grades.

**Grading Policy:** The final score and letter grade will be calculated as follows:

Homework:	45%	A	at least 90%	B-	at least 77%
Exam 1:	15%	A-	at least 87%	C+	at least 74%
Exam 2:	15%	B+	at least 84%	C	at least 70%
Final Exam:	25%	B	at least 80%	D	at least 60%

**Academic Integrity:** All Penn State Policies regarding ethics and honorable behavior apply to this course. They can be found at <http://science.psu.edu/current-students/Integrity/Policy.html>

**Students with disabilities:** Penn State welcomes students with disabilities into the University's educational programs. The Office for Disability Services (ODS) web site provides contact information for every Penn State campus: <http://equity.psu.edu/ods/dc1>. For further information, please visit the Office for Disability Services web site: <http://equity.psu.edu/ods>.