University of Regina
Mathematics 312–Complex Analysis I

Section: 001
Lecture: MWF 1430–1520 in Classroom Building, room 431 (CL 431).

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Home Page: `http://stat.math.uregina.ca/~kozdron/Teaching/Regina/312Fall12/`
Office Hours: W 1210–1320, Th 1100–1250, or by appointment

Required Text:
Joseph Bak and Donald J. Newman, *Complex Analysis*, third edition, Springer 2010.

Course Description:
3 credits. Complex numbers, analytic functions, contour integration, Cauchy's theorem, infinite series, calculus of residues, basic theory of conformal mappings.

Prerequisites:
MATH 213 with a grade of at least 60%.

Student Responsibilities:
Students should familiarize themselves with both the *Responsibilities of Students* in Section 5.1 and the *Responsibilities of Instructors* in Section 5.2 of the *Undergraduate Calendar*. Especially note item 8 which states that: Instructors are expected to conduct their courses in such a way as to obtain evidence of student writing skills, in term papers, essays, reports, or other written work, and to demand competence in writing for a passing grade.

Grading Information:
Your final grade will be determined by your performance in the course, including assignments, the midterm, and the final exam. Students should consult *Grading Descriptions* in Section 5.9.1 of the *Undergraduate Calendar* for an outline of the expectations associated with various percentage grades.

Evaluation Type	Percentage of Final Grade
Assignments	15%
Midterm Exam	25%
Final Exam	60%

Policy for Missed Classes, Missed Midterm, and Missed Final Exam:
Students should familiarize themselves with the sections *Attendance* (Section 5.3) and *Deferrals* (Section 5.7) of the *Undergraduate Calendar*.

Exam Dates:
The midterm exams will be held in class during the usual class time, and the location of the final exam will be determined by the Registrar near the end of the term.

- Midterm Exam: **Wednesday, November 14, 2012, 1430–1520**

- Final Exam: **Monday, December 10, 2012, 1400–1700**

Web Site:
I have written a web site for this section. The URL is

$$\text{http://stat.math.uregina.ca/}\sim\text{kozdron/Teaching/Regina/312Fall12/}$$

I will be updating this site throughout the term and you will be able to download any handouts that you don't get in class.

Email:
Email will be a significant form of course related communication between both students and the instructor. Therefore, please check your email regularly for course updates and homework/midterm information. Feel free to email your questions to me. I will endeavour to respond within 24 hours. Should you not receive a reply within 24 hours, try sending the message again, or ask me in person if I received your mail.

Academic Integrity:
For a university community of scholars, academic integrity is the heart of intellectual life—both in learning and in research.

Students should read carefully the University of Regina guidelines on *Student Behaviour* in Section 5.13 of the *Undergraduate Calendar*, and not assume they understand what integrity and cheating are and are not. Academic integrity most certainly implies more at the university than it did in high school. The standards of integrity are those that prevail in professional life. Students must acknowledge and cite ideas they adopt from others (not just direct quotations), and understand the general standards and policies of academic integrity, as well as specific expectations in individual courses. When in doubt, ask!

Students should also consult the pamphlet *Academic Integrity* published by the University Secretary, or contact that office for more information.

Important information about the textbook "Complex Analysis" by Bak and Newman

The entire textbook is available electronically free of charge to valid users from the University of Regina since Springer provides one of the e-book collections for which the library has purchased access.

In fact, I received the following message from Barbara Nelke, Head of Technical Services (Library), when I inquired specifically about the Bak and Newman text.

> Any valid user from University of Regina may download and save the entire book chapter-by-chapter on to their reader if they so choose. There are no restrictions on the number of users, downloads, chapters, pages etc. However, the key is that it is not for distribution. Authorized Users may browse, search, retrieve, display, download, print, and store single copies of individual articles or book chapters for scholarly research, educational and personal use as long as such use is not made for further distribution, publication, transfer or access by others and is otherwise consistent with §107 of the United States Copyright Act regarding fair use (17 USC §108).

> Can a valid user download the entire copy of the book "Complex Analysis" from Springer-Link? **yes**

> Can a valid user save the book to a flash drive and distribute it to other students or classmates? **no**

> Is there a limit on how many chapters one can download? **no**

To access the textbook from a computer **on campus**, visit the following site.

$$\texttt{http://www.springerlink.com/content/978-1-4419-7287-3}$$

To access the textbook from a computer **off campus**, visit the following site. You will be prompted to log in using either (i) your library barcode and last name, or (ii) your `uregina.ca` username and password.

`https://login.libproxy.uregina.ca:8443/login?url=www.springerlink.com/content/978-1-4419-7287-3`