Complex Analysis – MTH 624 (Independent Study)
Spring 2018

Instructor: Dr. Natacha Fontes-Merz
Office: HSC 160
Phone Ext.: 7290
E-Mail: fontesnc@westminster.edu
Class Meetings: M 2:00-3:00 Hoyt 160
Office Hours: MWF 10:30-11:30, T 9:00-10:00, and by appointment

Course Description: An introduction to the theory of analytic functions of a single complex variable. Topics covered include: the complex number system, analytic functions, the Cauchy-Riemann equations, complex integration, Cauchy’s integral formula, Schwarz’s lemma, the maximum modulus principle, and Liouville’s theorem.

Goals/Outcomes: Upon successful completion of this course, you will:
• develop critical thinking skills necessary for solving non-algorithmic and, oftentimes, challenging problems.
• improve your ability to write about and explain mathematics by formulating mathematical proofs.
• learn mathematics through reading.

Participation: At our meetings each week, I expect you to come prepared and I expect you to have made substantial progress in between meetings.

Academic Integrity:
Central to the purpose and pursuit of any academic community is academic integrity. All members of the Westminster community, including students, faculty, staff, and administrators, are expected to maintain the highest standards of honesty and integrity, in keeping with the philosophy and mission of the College.

Westminster College Undergraduate Catalog

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