Math 3146-002 Introduction to Complex Variables, Spring 2025

- **Course Content:** Complex numbers, holomorphic function of complex one variable, Cauchy's formula, the residue theorem and applications.
- **Class Meetings:** TuTh 12:30–1:45 PM at MONT 227.
- **Instructor:** Damin Wu
  - Office Hours: By appointment via Nexus at MONT 335.
- **Grader:** Logan Borghi
- **Textbook:** *Complex Variables and Applications*, by Brown & Churchill, 9th Edition, by McGraw-Hill Education, 2014, ISBN 978-0-07-338317-0.
- **Grades & Exams:**
  - Homework (40%): Announced and Posted at HuskyCT.
  - Midterm 1 (20%): Thursday, Feb 27, 12:30–1:45 PM, MONT 227.
  - Midterm 2 (20%): Thursday, Apr 10, 12:30–1:45 PM, MONT 227.
  - Final (20%): Friday, May 09, 3:30–5:30 PM, MONT 227.

  For a problem to receive full credit, you must show complete work, explain your work as necessary, and present your work in a clean and clear format that is easily understood. Although you are encouraged to discuss homework problems with your classmates, you have to write up your work based on your own understanding and using your words.

  To receive credit, you must submit your homework assignment via HuskyCT before the deadline. Late homework, or homework submitted via email, would NOT be accepted.
- **LaTeX***: LaTeX is a high-quality typesetting system designed for scientific especially math documentation, and it is free. A *latex template* for our homework assignment is posted at HuskyCT. For latex editors, one can use TeXShop for Mac only, or TeXworks, or try for example Overleaf online.

  A homework assignment typesetted by LaTex receives 10% bonus point.