Instructor: Christopher Rasmussen. My office is SCIE 649. I can be reached by phone at \( \times 2315 \), and by e-mail at crasmussen@wesleyan.edu. I will hold weekly office hours, in my office, Wednesdays 14:40 – 15:30, and Fridays 11:00 – 11:50. I will also be happy to meet by appointment.

Course Schedule: Please note that this course is scheduled to meet four times a week as follows:

\[
\begin{align*}
\text{MWF} & \quad 10:00 – 10:50 \quad \text{SCIE 137} \\
\text{M} & \quad 14:40 – 15:30 \quad \text{SCIE 121}
\end{align*}
\]

The afternoon meeting on Mondays is not optional.


Goal: Previous courses in calculus and analysis have focused on functions on real variables. In this course, we will study functions of complex variables, whose domain and range may both lie in \( \mathbb{C} \), the set of complex numbers. With care, many notions from the calculus of real functions may be carried over to complex functions. However, the properties of derivatives in the complex setting are fundamentally different, which will have many beautiful and powerful consequences.

As this course is a common elective of the Mathematics major, there will be an emphasis on training students to communicate mathematics effectively – both in written and oral form. There will be a greater emphasis on proofs, and students will be asked to present solutions in class on a regular basis.

Office Hours: Throughout the semester, I will hold weekly office hours to answer any questions about the course material. I am also happy to meet with students at other times, but please make an appointment with me (by phone or e-mail) in advance if possible.

Attendance: Students are expected to attend every class. Attendance and participation (in the format of students presenting problems in class) will factor into your final grade. Further, it is the student’s responsibility to keep informed of any announcements, syllabus adjustments, or policy changes made during scheduled classes.

You are responsible for all announcements made in class.
Homework: Homework will be assigned regularly and collected weekly. Selected problems from the assignment will be graded; however, you are responsible for understanding all the problems on the assignment.

For written homework, you are encouraged to work together. However, each student must write up their solutions individually. Solutions will be graded for both completeness and clarity – a correct solution which is poorly written, hard to follow, or lacks explanation will not earn full credit.

All written homework assignments will be weighed equally unless otherwise announced. The lowest homework score will be dropped. Late homeworks are never accepted. In extreme circumstances, such as documented sickness or family emergency, I may agree to omit a missed homework from your homework average, but these decisions are always at my discretion.

Grading: Your final course grade will be determined from your grades on homework, midterm exams, and the final exam, as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Homework</td>
<td>25%</td>
</tr>
<tr>
<td>Participation (including Attendance and Presentations)</td>
<td>25%</td>
</tr>
<tr>
<td>Midterm</td>
<td>25%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
</tbody>
</table>

Disability Support: It is the policy of Wesleyan University to provide reasonable accommodations to students with documented disabilities. As your instructor, I am willing and eager to support you in this regard. Please note that students are responsible for registering with Disabilities Services, and should make requests known to me in a timely manner. If you require accommodations in this class, please speak with me during the first two weeks of the semester, so that appropriate arrangements can be made. The procedures for registering with Disability Services can be found at http://www.wesleyan.edu/deans/disability-students.html.