

**MATH 120B SYLLABUS
SPRING 2020**

- Lectures** MWF 12:00-12:50, Zoom (recorded)
For meeting ids for the zoom meetings see file zoom.pdf located under canvas.
- Instructor** James McKernan, APM 6260, phone (858)-534-6347
- Office Hours** M 2:00-4:00pm,
or by appointment, if you cannot make these times.
- Teaching Assistant** Jasper Bird, j1bird@ucsd.edu
- Sections** M 5:00-5:50pm, Zoom
- Office Hours** T 11:00-1:00pm, Zoom
- Teaching Assistant** Jacob Keller, jjkeller@ucsd.edu
- Sections** M 6:00-6:50pm, Zoom
- Office Hours** T 1:00-3:00pm, Zoom
- Text** *Complex Variables*, J.W. Brown and R.V. Churchill
(9th edition). See web site for some other suggestions.
- Exams, Final** Wednesday June 10th, 11:30–Thursday June 11th, 11:30
The current plan is for the final to be a take home lasting 24 hours.
- Midterms** Wednesday April 29th 5:00pm–Thursday April 30th, 5:00pm
The current plan is for one take home midterm lasting 24 hours.
- Calculators** are **not** allowed in any exam.
- Grading** Homework 50%, Midterm 20%, Final 30%.
- P/NP** UCSD has relaxed the rules about taking courses P/NP. Up to four courses per quarter taken P/NP can be counted towards the mathematics major.
- Syllabus** Applications of the residue theorem. Conformal mapping and applications to potential theory, flows, and temperature distributions. Fourier transformations. Laplace transformations, and applications to integral and differential equations. Selected topics such as Poisson’s formula, Dirichlet’s problem, Neumann’s problem, or special functions.
- Prerequisites** MATH 120A, or consent of instructor.
- Academic Honesty** Academic dishonesty is considered a serious offense at UCSD. Students caught cheating will face an administrative sanction which may include suspension or expulsion from the university. It is in your best interest to maintain your academic integrity.
- Homework** Homework will be assigned on the website every Monday.
It will be due one week later every Wednesday at 12pm, via Gradescope.
Late problem sets are **not accepted**, however the lowest problem set score will be dropped.

At the top of every of each assignment should appear

- (1) Your name.
- (2) Your section time
- (3) Either the text “Sources consulted: none” or a list of all sources consulted other than the main textbook, supplementary notes, and your own notes from lecture and section. This is *required*. (Examples of things that should be listed if used: office hours, names of study group partners, Wikipedia, etc.)

You should not expect to be able to solve every single problem on your own; instead you are encouraged to discuss questions with each other or to come to office hours. If you meet with a study group, you may find it helpful to do as many problems as you can on your own beforehand. But write-ups must be done independently. (In practice, this means that it is OK for other people to explain their solutions to you, but you must not be looking at other people’s solutions as you write your own.) Use examples in the book as a model for the level of detail expected. Write in complete sentences whenever reasonable. If you have questions about the homework, it is best to ask these in office hours.