MATH 120A SYLLABUS
WINTER 2020

Lectures	MWF 12:00-12:50, CENTR 214
Instructor	James McKernan, APM 6260, phone (858)-534-6347
Office Hours	W 2:00-4:00PM

or by appointment, if you cannot make these times.

Teaching Assistant	Iacopo Brivio, ibrivio@ucsd.edu
Sections	H 8:00-8:50AM, APM B-412
Office Hours	TBA, APM 2230
Teaching Assistant	Jacob Keller, jjkeller@ucsd.edu
Sections	H 9:00-9:50AM, APM B-412
Office Hours	H 2:00-4:00pm, APM 6436
Teaching Assistant	Jasper Bird, j1bird@ucsd.edu
Sections	H 10:00-10:50AM, APM B-412
Office Hours	H 11:00-1:00pm, APM 2230
Text	*Complex Variables*, J.W. Brown and R.V. Churchill

(9th edition). See web site for some other suggestions.

Exams, Final	Wednesday March 18th, 11:30-2:30pm, TBA.
Midterms	Monday February 3rd, Friday February 28th.
Calculators	are **not** allowed in any exam.
Grading	Homework 30%, Midterms 30%, Final 40%.
Syllabus	Complex numbers and functions. Analytic functions,

harmonic functions, elementary conformal mappings. Complex integration.
Power series. Cauchy's theorem. Cauchy's formula. Residue theorem.

Prerequisites	Math 20E or Math 31CH, 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 Friday at 12pm, in a dropbox in the
basement of APM. 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.