MATH 100A SYLLABUS
AUTUMN 2016

Lectures	MWF 1:00-1:50, CENTR 113
Instructor	James M^{c}Kernan, APM 6260, phone (858)-534-6347
Office Hours	M 2:00-4:00PM

or by appointment, if you cannot make these times.

Teaching Assistants	Iacopo Brivio ibrivio@ucsd.edu; Daniel Smith des006@ucsd.edu
Sections	T 1:00-1:50PM, 2:00-2:50PM, 3:00-3:50PM, APM B412
Office Hours	T 2:00-3:00PM SDSC292e, T 11:00-1:00PM APM6422
Text	*Abstract Algebra*, I. N. Herstein

See web site for some other suggestions.

Exams, Final	Monday December 5th, 11:30-2:30pm, CENTR 113.
Midterms	Friday October 14th, Wednesday November 16th.
Grading	Homework 30%, Midterms 30%, Final 40%.
Syllabus	First course in a rigorous three-quarter introduction

to the methods and basic structures of higher algebra. Topics include: groups, subgroups and factor groups, homomorphisms, rings, fields. (Students may not receive credit for both Math 100A and Math 103A.)

Prerequisites	Math 31CH or Math 109 or consent of instructor.
Homework	Homework will be assigned on the website every Monday.

It will be due one week later every Wednesday at 5pm, 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 leader's last name.
(3) Your section time.
(4) 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 peoples 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.