MATH 100B SYLLABUS
WINTER 2016

Lectures MWF 1:00-1:50, SOLIS 109
Instructor James M’Kernan, APM 6260, phone (858)-534-6347
Office Hours M 2:00-4:00
or by appointment, if you cannot make these times.
Teaching Assistant Artem Mavrin, amavrin@ucsd.edu
Section T 10:00-10:50, APM B412
Office Hours T 11:00-1:00, APM 2313
Text Abstract Algebra, I. N. Herstein
See web site for some other suggestions.

Exams, Final Friday March 18th, 11:30-2:30pm, TBA.
Midterms Wednesday January 27th, Wednesday February 24th.
Homework Homework will be assigned on the website every Monday. It will be due one week later every Tuesday 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.
Grading Homework 30%, Midterms 30%, Final 40%.
Syllabus Second course in a rigorous three-quarter introduction to the methods and basic structures of higher algebra. Topics include: rings (especially polynomial rings) and ideals, unique factorization, fields; linear algebra from the perspective of linear transformations on vector spaces, including inner product spaces, determinants, diagonalization.
Prerequisites Math 100A or consent of instructor.