MATH 206A SYLLABUS
WINTER 2016

Lectures MWF 11:00-11:50, APM 7421
Instructor James M^{c}Kernan, APM 6260, phone (858)-534-6347
Office Hours TBA
or by appointment, if you cannot make these times.
Text TBA.
See web site for some other suggesions.
Syllabus Research style problems centred around the topic of symmetries of polynomials and varieties. This topic covers a large ground, ranging from the classical result of Hurwitz which states that any compact Riemann surface of genus at least $g \geq 2$ has at most $84(g-1)$ automorphisms, symmetries of hypersurfaces, automorphisms of abelian varieties and automorphisms of K3 surfaces. Ideally at the end of this course students will be doing research on some problem in this area.
Prerequisites Math 203ABC or consent of instructor.