CLASS: MATH 510b  
CLASS #: 39724R  

Room: KAP 138  
Time: MWF 12:00 - 12:50 (subject to change)  

Instructor: Robert Guralnick  
Office: KAP 464c  
Phone: 740-3787  
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Email: guralnic@usc.edu  
Office Hours (subject to change): MW 1 - 2:30 subject to change  

Homework and other information posted  
Required Text: Hungerford, Algebra; Recommended, Lang, Algebra  
Course Description: We will cover commutative algebra, integrality, Hilbert Basis Theorem, Nullstellensatz, Zariski Topology, Modules over PID’s (including canonical forms for matrices), chain conditions, tensor products; Jacobson radical, Artin-Wedderburn theorem, Maschke’s theorem and other topics as time permits.  

Grading: There will be approximately 5 homework assignments to be turned in (there will be other homework assigned as well). There will be one midterm. There will be a final (possibly take home). The homework will count for 50%, the midterm 20% and the final 30%.  

First day of Class: Monday, January 8th. Last day of Class: Friday, April 26  

Final: Friday, May 3rd, 11 AM – 1 PM