

SYLLABUS FOR MATH 510B --- WINTER 2017

CLASS: MATH 510B

CLASS NO: 39724R

Room: KAP 113

Time: MWF 12

Instructor: Robert Guralnick

Office: KAP 464c

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Office Hours (subject to change): TBA

Announcements, Assignments, Etc will be posted on Blackboard:

We will cover commutative algebra, integrality, Hilbert Basis Theorem, Nullstellensatz, Modules over PID's, chain conditions, tensor products; Jacobson radical, Artin-Wedderburn theorem, Maschke's theorem and other topics as time permits.

Text: Hungerford, Algebra

Suggested Auxillary Texts:

Rotman, Advanced Modern Algebra

Lang, Algebra

Artin, Modern Algebra

Prerequisites: 510 A

Grading will be based on homework and take home exams. The take home final will be due Friday, May 6th, 1 PM (subject to change).