Information on Math 520B

Algebra — Doctoral Core II
Call No. 3039

August 30, 2004
revised September 7, 2004

TIME OF MEETING: Mon, Wed, & Fri 1:40 – 2:35.

PLACE: ES 152A

INSTRUCTOR: W. F. Hammond, ES 137A, phone 442-4625.
Office hours: Mon. & Wed. 2:45 – 3:30
Email: `hammond@math.albany.edu`
World Wide Web: `http://www.albany.edu/~hammond/`

TEXT: Thomas Hungerford, *Algebra*
Springer, 1974, ISBN 0-387-90518-9, ISBN 3-540-90518-9.

PRE-REQUISITE: Math 520A

BULLETIN DESCRIPTION:

Modules over a principle ideal domain, semisimple rings and modules, Wedderburn's theorem, tensor products, the Hom functor, projective and injective modules, localization. Prerequisite: Mat 520A.

COURSE OBJECTIVE:

Between Math 520A and Math 520B it is expected that about 80% of the syllabus for the Preliminary Ph.D. exam[1] in algebra should be covered.

TEST SCHEDULE:

Event	Weight	Date
Final examination	100	Tues. Dec. 14, 3:30–5:30
Midterm test	50	Wed, Nov. 3, in class
Written Assignments (5 @ 10 each)	50	
Weekly quizzes (10 @ 5 each)	50	
Total weight	250	

The instructor reserves the option of substituting "take-home" exams for the scheduled midterm and final examinations. In either event the exam will be due at a time announced with its distribution.

ATTENDANCE:

Attendance at class meetings is a *requirement* for passing the course unless the student has been granted a special exception *in advance*. Unexcused absence may result in failure or grade reduction. There will be no retrospective excused absences from tests except for compelling emergencies and religious holidays.

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[1]URI: http://math.albany.edu:8000/math/prelims/syllabi/syll-alg.html