

Math 205b – Commutative Algebra

Fall 2007

Instructor: Prof. Ivan Horozov
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Office: Goldsmith 205
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Class schedule: Tue, Fri 12.10p.m. – 13.30p.m.
Textbook: Introduction to Commutative Algebra by M.F.Atiyah, I.G.MacDonald
(ISBN-10: 0-201-40751-5) (ISBN-13: 978-0-201-40751-8)

Syllabus

Chapters 1 Rings and Ideals

Chapters 2 Modules

Chapters 3 Rings and Modules of Fractions

Chapters 5 Integral Dependence and Valuations

Chapters 6 Chain Conditions

Chapters 7 Noetherian Rings

Chapters 9 Discrete Valuation Rings and Dedekind Domains

Class announcements: The LATTE system will be used for communication with the entire class.

Homework:

Homework will be assigned and collected every other week, graded and returned to you regularly.

Grading:

Your grade will be based on the homework.

Students with disabilities: If you are student with a documented disability on record at Brandeis University and wish to have a reasonable accommodation made for you in 205b, please see me as soon as possible.

Please, do not hesitate to send/ask me any questions that you have.