

UNIVERSITY OF NEW BRUNSWICK, SAINT JOHN
WINTER 2011

MATH 3213 (1B): LINEAR ALGEBRA II

TIME, LOCATION: MWF 10:30-11:20, IH104
INSTRUCTOR: Trevor Jones
OFFICE: IH 6³
EMAIL: trevor.jones@unb.ca
WEBSITE: <http://www.math.unb.ca/~thj>

TEXT: *Linear Algebra Done Right*, 2nd Edition, by Axler

GRADES: 15% Assignments and quizzes
30% Tests (February 7, and March 14)
55% Final Exam: To be scheduled.

PREREQUISITE: MATH 2213; or MATH 1013 and Permission of the Department.

NOTE: Late assignments will not be accepted. All assignments must be e-mailed in PDF format to thj.math@gmail.com by no later than 11:59pm local time on the day due. Time received will be the standard for late assignments. On the first page of each assignment, your name and UNB e-mail address must be clearly written. Corrected assignments will be returned via your UNB e-mail address.

SYLLABUS: We will make a bold attempt to cover Chapters 1-10 of the textbook, focusing on vector spaces, basis, linear operators, inner product spaces, and canonical form.

OUTCOMES: It is expected, upon successful completion of this course, that the student

- will demonstrate an understanding of the concepts of Linear Algebra
- will be able to justify conclusions using valid mathematical arguments
- will be able to communicate results using appropriate styles, conventions, and terminology
- will be able to accurately perform calculations without the aid of a calculator or computer
- will be able to transfer expertise between different topics in mathematics