

**NATIONAL CHENGCHI UNIVERSITY
COLLEGE OF COMMERCE**

Linear Algebra

2014/Spring

A. Instructor: Hsieh, Ming-hua

**Office: Research Room 261236, 12th Fl., College of
Commerce Bldg.**

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Phone/Fax: Office: 81236 (Phone)

Class Hours: Monday: 14:10 - 17:00

Office Hours: By appointment

B. Books

Introduction to Linear Algebra (4th edition) by Gilbert Strang

C. Course Objectives

We will introduce the basic materials of linear algebra. A few homework problems will require you to use a computational tool such as MATLAB.

D. Grading Policy

Assignments	20%
Quizzes	20%
Midterm	25%
Final exam	35%

E. Tentative Schedule

- 1 Introduction to Vectors
- 2 Solving Linear Equations
- 3 Vector Spaces and Subspaces
- 4 Orthogonality
- 5 Determinants
- 6 Eigenvalues and Eigenvectors
- 7 Linear Transformations
- 8 Applications