

Syllabus for MATH 2121: Linear Algebra (Fall 2019)

- Instructor: Eric MARBERG (emarberg@ust.hk)
Office: Room 3492 in Math Department, Lift 25-26
- TAs: DO VAN Thuat (tdovan@ust.hk)
LUAN Yongzhi (yluanac@ust.hk)
ZHANG Yupei (yzhangfi@ust.hk)
- Lecture 1: Wednesdays and Fridays, 1:30PM - 2:50PM
Lecture Theater C
- Lecture 2: Mondays and Wednesdays, 10:30AM - 11:50AM
Lecture Theater C
- Website: <http://www.math.ust.hk/~emarberg/Math2121/>
- Office hours: Drop by my office or send an email to make an appointment.
- Textbook: Linear Algebra and its Applications by Lay, Lay, and McDonald, 5th Ed.
- Outline: This will be a first course in linear algebra, from an applied perspective. The main topics covered will include solving linear systems of equations, vector spaces, matrices, linear mappings and matrix forms, inner products, orthogonality, eigenvalues and eigenvectors, and symmetric matrices. No prior knowledge of matrix algebra is assumed.
- Grading: Homework 10% (assignments every 1-2 weeks, weighted equally)
Midterm 30%
Final examination 60%