# Course Outline – Revision 1

**Course:**          AM1411b – Linear Algebra with Numerical Analysis for Engineering

**Section:**         Section 001

**Instructor:**      D. J. Jeffrey

**Revision Date:**   March 17, 2020

Given the University's directive to move all Winter 2020 classes online beginning Wednesday, March 18, it is necessary to revise the course outline for the course specified above.  The purpose of this document is to communicate these revisions in a clear and concise manner.  This document serves as a formal revision to the course outline and any revisions to the grading scheme supersede previously agreed-upon course requirements.

**Table 1: Course Schedule***

| Week of | Original course content / learning outcomes | Revised course content / learning outcomes | Revised means of delivery |
|---|---|---|---|
| March 9 | Determinants, Cramer's Method | Determinants, Cramer's Method | BB Collaborate (screen recorded) |
| March 16 | Introduction to Eigenvalues | Introduction to Eigenvalues | BB Collaborate (screen recorded) |
| March 23 | Computation of eigenvalues | Computation of eigenvalues | BB Collaborate (screen recorded) |
| March 30 | Geometry of eigenvectors | Geometry of eigenvectors | BB Collaborate (screen recorded) |

* This schedule is considered binding as of March 18, 2020.

**Table 2: Course Grading Scheme†**

| Assessment/Component | Original weight | Revised weight | Revised date or due date |
|---|---|---|---|
| Test 1 | 15% | 20% | Completed |
| Test 2 Matlab | 15% | 20% | Completed |
| Test 3 Least-squares | 15% | 15% | March 31 |
| Final exam | 55% | 0 | Not written |
| Take home Final exam | 0% | 45% | April 19 |
| | | | |

† Note that previously completed assessments may have been re-weighted.  Since alternatives to final exams are still under discussion, this scheme may need to be revised.  Any revisions will be announced as "Revision 2" by April 3, 2020.

Approved by Department:          Geoff Wild                                    March 17, 2020
Approved by Faculty of Science:  [Dean's-office reviewer if necessary]