# University of Lethbridge
## Department of Mathematics and Computer Science
## Mathematics 1410 A • Linear Algebra
## Course Outline • Fall 2005

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|---|---|---|
| **TIME OF LECTURES:** | MWF  9:00–9:50 | Room: PE250 |
| **STUDY SESSION:** | W 7:00–9:00 | Room: D634 |
| | R  7:00–9:00 | Room: D674 |
| | | |
| **SEAN HELP SESSION:** | T and R 5:00–7:00 | Room: TH295 |
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| **TIME OF TUTORIALS:** | 1: M 10:00–10:50 | Room: D511 |
| | 2: M 11:00–11:50 | Room: D511 |
| | 3: M  1:00–1:50 | Room: D511 |
| | 4: M  2:00–2:50 | Room: D511 |
| | 5: M  4:00–4:50 | Room: E519 |
| | 6: T  9:25–10:40 | Room: D511 |
| | 7: T  10:50–11:40 | Room: D511 |
| | 8: T   12:40–1:30 | Room: D631 |
| | 9: T  2:05–2:55 | Room: D511 |
| | 10: T  3:05–3:55 | Room: D511 |
| | | |
| **INSTRUCTOR:** | Hadi Kharaghani | Office: D520 |
| | email: kharaghani@uleth.ca | |
| | Home page: http://www.cs.uleth.ca/~hadi/ | |
| **ACADEMIC ASSISTANT:** | Sean Legge | Office: C518 |
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| **TEXT:** | **Lecture Notes for Linear Algebra,** | |
| | by H. Kharaghani, S. Legge and J. E. Lewis | |

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| **EVALUATION METHOD:** | Assignments | 15% |
| | Midterm Exam (Saturday October 29, 12:00–2:00, PE250) | 42.5% |
| | Final Exam (Friday December 16, 9:00–11:00, PE250) | 42.5% |

**TOPICS:**

1. Solving Linear Systems

2. Introduction to Matrix Algebra

3. Determinants

4. Vectors in $R^n$

5. Eigenvalues and Eigenvectors

**NOTES:**

- **Attendance:** It is not easy to learn mathematics by reading from a book. From past experience, **those who attend the lectures regularly find the course very easy and enjoyable and the reverse is true for those not attending the lectures regularly**.

- Please submit the assignments on standard, **left-corner stapled**, papers on due date **at the beginning of class**.

- Please do not use paper clips, etc.

- **Please make sure your assignment is placed in the right folder**

**Grade Distribution:**

$A+ = [97, 100], \ A = [90 - 97), \ A- = [83 - 90),$

$B+ = [78 - 83), \ B = [75, 78), \ B- = [72, 75),$

$C+ = [69, 72), \ C = [65, 69), \ C- = [61, 65),$

$D+ = [55, 61), \ D = [50 - 55),$

$F = [0 - 50).$