



## **Course Description**

**MA 1200 3 (3 - 1 - 0) UT 60 Hours**

**Pure Math 30 is a pre-requisite for this course.**

**(Credit will be granted for only one of MA 1020 or MA 1200.)**

**From Alberta Transfer Guide :**

**In the Province of Alberta this course is transferable as follows :**

<b>Athabasca</b>	<b>MATH 270(3)</b>	<b>Augustana UC</b>	<b>MAT 120(3)</b>
<b>Canadian UC</b>	<b>MATH 1xx(3)</b>	<b>Concordia UC</b>	<b>MAT 120(3)</b>
<b>King's UC</b>	<b>MATH 221(3)</b>	<b>U of A</b>	<b>MATH 120(3)</b>
<b>U of C</b>	<b>MATH 211(3)</b>	<b>U of L</b>	<b>MATH 1410(3)</b>

**The following topics are covered in this course :**

**Systems of Linear Equations**

**Reduced Row Echelon Form and Gauss-Jordan Elimination**

**Vector and Matrix Algebra**

**Determinants**

**Cramer's Rule**

**Vector Spaces and Subspaces**

**Linear Combinations, Linear Span, Linear Dependence & Independence**

**Basis and Dimension**

**Eigenvalues and Eigenvectors**

**Applications**