UNIVERSITY OF CALGARY

Faculty of Science
DEPARTMENT OF MATHEMATICS AND STATISTICS
Course Information Sheet

1. **Course**: COLLEGE ALGEBRA AND TRIGONOMETRY   **Term: Spring 2003**
    Lecture/Time/Session: L42033 **MW** 8:00-9:25 **TR** 8-10:20   **Room: ST 127**
    Instructor: Nancy Morrison
    Office: MS 368   **Office Hours:** MWF 13:00-13:50   **Email:** morrison@math.ucalgary.ca   **Phone: 220- 8213**
    Suggested text: Precalculus 4th edition Stewart, Redlin, Watson

2. **Prerequisites:** Mathematics 30 or Pure Mathematics 30 or Basic Mathematics II

    NOTE: The Faculty of Science policy on pre- and co-requisite checking is outlined on page 210 of the 2002-2003 Calendar. **It is the students' responsibility to ensure that they have the pre- and co-requisites for the course, and if they do not they will be withdrawn from the course without notice.**

3. **Fee policy:** After the last day to drop/add courses, there will be no refund of tuition fees if a student withdraws from a course, courses or the session.

4. **The University policy on grading and related matters** is described on pages 44-53 of the 2002-2003 Calendar. In determining the overall grade in the course, the following weights will be used:

Mid-term Test	[**2**]	**30**%	
Quizzes	[**6**]	**20**%	[best 5 of 6]
Assignments	[**3**]	**10**%	
Final Exam		**40**%	

    There is no pre-set correspondence between percentages and letter grade. Students will be advised of the approximate correspondence between numerical marks and letter grades after the second midterm.

5.   **Missed Components of Term Work.** The regulations of the Faculty of Science pertaining to this matter are outlined on page 211, of the 2002-2003 Calendar. It is the student's responsibility to familiarize herself/himself with these regulations.

6. **Academic misconduct** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the 2002-2003 University Calendar under the heading "Student Misconduct", pages 53-56.

7. **Dates and times of class exercises held outside of class hours (evening tests, Saturday laboratory examinations, weekend field trips, etc.):** There will be no out-of-class-time activities.

Department approval: _____   Date: _____

College Algebra and Trigonometry
Syllabus and <u>Tentative Schedule</u>
Spring 2003

Week of	Topics	Text Sections	Special Dates
May 12th	Numbers, Exponents, Radicals, Factoring, Special products, Algebraic/fractional expressions Equations, Problem Solving	1.1-1.6	
May 19th	Inequalities Coordinate Geometry, Lines	1.7-1.10	**Quiz #1** (Tuesday, May 20th) **Assignment #1** given out Wednesday, May 21st
May 26th	Functions, Graphs and applied function, Transformation of graphs	2.1-2.5	**Quiz #2** (Tuesday, May 27th) **Assignment # 1 due on Wednesday, May 28th** **Midterm #1** (Thursday, May 29th)
June 2nd	Extreme values of functions, Composition of functions, One-to-one functions Polynomial functions, graphs, zeros	2.6-2.9 3.1-3.2	**Quiz #3** (Tuesday, June 3rd) **Assignment #2** given out Wednesday, June 4th
June 9th	Complex numbers, Complex roots, Fundamental Theorem of Algebra, Rational Functions and their graphs Exponential Functions, Logarithms	3.3-3.6 4.1-4.3	**Quiz #4** (Tuesday, June 10th) **Assignment #2 due on Wednesday, June 11th** **Midterm #2** (Thursday, June 12th)
June 16th	Exponential &Logarithmic Equations Unit circle, Trigonometric Functions	4.4-4.5 5.1-5.4	**Quiz #5** (Tuesday, June 17th) **Assignment #3** given out Wednesday, June 18th
June 23rd	Angles, Trigonometry of right triangles, Trigonometric functions of angles (Law of Sines, Law of Cosines) Trigonometric Identities, Addition and Subtraction formulae,	6.1-6.5 7.1-7.5	**Quiz #6** (Tuesday, June 24th) **Assignment # 3 due Wednesday, June 25th**
June 27th	Final Exam -, ST 127, 08-11:00am		