Mathematics for Teachers I   **MATH 3207**
Instructor: Ziyad Al-Sharawi (Office 0224, Phone 24142215)   **Fall 2013**

Credit Hours: 3   **Prerequisite:** Math2107 (Calculus I)
Contact Hours: 4 per week   **Format:**   2-Lectures and 2-Tutorials.
Textbook: Lecture Notes.

Office Hours: Monday (10:00-11:00am, 11:00-12:00 noon) and Tuesday (11:00–12:00 noon). Students are welcome to seek help during these office hours. Other than these office hours, visits to my office need an advanced appointment.

Course Description: This course is designed to cover topics needed for school teachers, but not covered in other courses offered in the Math Department. It covers the following topics: transformation of the Cartesian plane using the tools of linear algebra, permutations, combinations and binomial theorem, theory and history of the quadratic, cubic and biqaudratic equations, brief history of the development of modern algebra, multi-base arithmetic, development of number systems, and finally, introduction to groups, rings and fields,

Course Objectives: The objectives of this course are: To familiarize students with topics from the secondary school syllabus not covered in other math courses. To enhance students skills in developing techniques and methods for tackling the mathematical problems covered in this course. To familiar students with the history and development of the topics covered in this course.

Assessment: An A to F grades will be assigned based on the following weighted components:

Component	Number	Date/Time	Weight
Homework	2	One week from announcement	10%
Quizzes	3	One week from announcement	15%
Test I	1	November 14, 2013	15%
Test II	1	December 19, 2013	20%
Final Exam	1	as scheduled by A & R	40%

If a student misses an assessment component without a valid excuse, the mark in that component will be zero. Absentees with genuine reasons (supported by proper documents submitted to the instructor within one week from return to class) will be treated separately. However, there will be no make-up quizzes under any circumstances.

Graded Homework and Quizzes: Quizzes will be announced in class one week earlier. If a student misses a class, then he is responsible for whatever we discuss in that class. For

each graded homework, you will be given one week to work it out. Your submitted homework must be stabled and neatly written.

Attendance: Attendance is compulsory. Any student who misses 10% (6 contact hours) of the total course hours will be sent a warning notice, and who misses 20% (12 contact hours) or more of the total course hours will be barred from taking the Final Examination according to the University Regulations.

Punctuality: You are required to attend your class on time. Late attendance is not acceptable. The instructor has the right to close the door and not welcome those who are late.

Cellular Phones: Turn off your cellular phone before entering the class. Also, cellular phones are not allowed to be used in class as calculators or for any other purpose.

Academic Dishonesty: All forms of academic dishonesty are prohibited and penalties are decided depending on the department/university rules and regulations. Academic dishonesty includes (but not limited to) cheating, plagiarism, copying, collusion, falsification, signing for someone's else, . . . etc. For more details, please see pages 36 and 37 of SQU Undergraduate Academic Regulations, Third Edition, 2005.

Good Luck & Enjoy the Course