Fall 2017

**MATH 1000:**  
**Introduction to College Mathematics:** Prerequisites: Score of 50 or more on ELM; or MATH 0930 with minimum C grade. The language of mathematics. Sets and their application. Combinatorics and probability. Descriptive statistics. Financial mathematics.

**Class Time and Location:**  
T, Th 12:15 – 1:30 pm

**Instructor:**  
Behzad Parviz  
http://www.calstatela.edu/faculty/behzad-parviz  
Email: bparviz@calstatela.edu  
Office: E&T A-312; Ext. 3-6696  
Office Hours: Tuesdays and Thursdays: 11:00 am - 12:15 pm and 5-6 pm

Prior Appointments: Mondays 12 - 2 pm

**Text:**  
Mathematics: A Practical Odyssey (8th Edition)  
By: Johnson and Mowry

**Chapters Covered:**  
1.1 – 1.4, 2.1 – 2.4, 3.1 – 3.7, 4.1 – 4.3, Sequences and their partial sums, 5.1 – 5.6 (as time permits)

**Student learning outcomes:**  
Students who successfully complete this course will be able to:  
- Create truth tables for symbolic statements in propositional logic  
- Translate English statements into symbolic logic  
- Determine whether an argument is valid or not  
- Solve simple problems in set theory involving basic set operations  
- Use Venn diagrams to solve real world problems involving sets  
- Understand the basic concepts of probability theory  
- Solve problems in probability theory, including conditional probability  
- Understand the concept of independent events and solve problems involving independent events  
- Understand the basic concepts of statistics  
- Find the mode, median, and mean of a set of data  
- Understand the concept of variance  
- Find the variance and standard deviation of a set of data  
- Understand the basic concepts of Finance

This course satisfies General Education Area A4
Homework: Mandatory: All odd numbered problems
Optional: All even numbered problems

NOTE: If you miss any mandatory problem set, you will lose 15 points of your final grade. If you do all optional problems and get a grade of C or better in all exams, you will receive up to 10 bonus points on your final grade.

Tests: Two Midterms and one Final Exam

Grading: This course is graded ABC/NC

Midterm Exams: 20 points each
Final Exam: 40 points
Homework: 20 points
Attendance: 5 points (you lose one point, up to five points, for any missing lecture)
Total: 105 points

0 - 60 NC
61 - 80 C
81 - 90 B
91 - 105 A

Final Exam: Thursday December 7, 2017: 11:20 am – 1:20 pm

ADA statement: Reasonable accommodation will be provided to any student who is registered with the Office of Students with Disabilities and requests needed accommodation.

Academic honesty statement: Students are expected to do their own work and to abide by the University Policy on academic honesty, which is stated in the Schedule of Classes. Copying the work of others, cheating on exams, and similar violations will be reported to the University Discipline Officer, who has the authority to take disciplinary actions against students who violate the standards of academic honesty.

Student responsibilities: Students are responsible for being aware of all announcements that are made in class, such as changes in exam dates, due dates of homework and papers, and cancellation of class due to instructor’s absence. Students are responsible for announcements made on days that they are absent.

Students must check their CSULA email account regularly for information from the instructor and the Department. Failure to do so may result in missed deadlines or other consequences that might adversely affect students. Note that you can forward this email account to any other account of your choosing.

NO MAKE-UP EXAMS, NO LATE HOMEWORK, AND NO INCOMPLETES!!!