

Name				ID-4				Phone								
								Email								
	Week 1, 2		Week 3, 4		Week 5, 6		Week 7, 8		Week 9, 10		Week 11, 12		Week 13, 14		Week 15, 16	
Quizzes																
Summaries																
Quizzes																
Summaries																
Project																
Midterm																
Final																
Grade	A: 90+		B: 80-89		C: 70-79		D: 60-69		F: 0-59							

**Instructor:** Bonnie Kelly **Phone:** 735-4872 (W); 294-9699 (H)  
**Office:** Henry Hall, #24 **Hours:** MWF 11:30 - 12:30 am, TTH 9:30 - 10:30 am  
**Course:** MA 100-01, MWF 1-1:50, H33 **Text:** Nature of Mathematics, Smith  
**Email:** bkelly@chaminade.edu **Resources:** History of Mathematics  
**Online Resources:** TBA Quantitative Reasoning

**Tentative Syllabus:** This is a *tentative* schedule to allow for any unforeseen circumstances. Do not miss any days. If you miss a class, it is your responsibility to get notes and homework from a classmate. Course and class policies are below.

- Week 1, 2:** Introduction to problem solving strategies, Pascal's Triangle, scientific notation
- Week 3, 4:** Logic – deductive reasoning, truth tables, operations, laws
- Week 5, 6:** Numerical systems, binary system, bases, primes, modulo arithmetic
- Week 7, 8:** Review for Midterm
- Week 9, 10:** Algebra – ratios, proportion, formulas, linear equations
- Week 11, 12:** Algebra in problem solving, spreadsheets, modeling
- Week 13, 14:** Coordinate geometry, networks, Pythagorean Theorem, Golden Mean
- Week 15, 16:** Project completion, review for Final

\*\*\* The semester begins Monday, August 27 with the last day of class Friday, December 7, 2001. There are no classes on these days: Labor Day, Discoverer's Day (Oct. 8<sup>th</sup>) and Veteran's Day (Nov. 12<sup>th</sup>). Thanksgiving holidays are November 22 - 23<sup>rd</sup>. Final exams run from December 10 - 14<sup>th</sup>. \*\*\*



**Grading**

- A. Quizzes (25 points):** The quiz grade is mainly from in-class quizzes. A form of pop-quiz is given directly after a concept has been taught. Some quizzes are take-homes. There should be enough opportunities to obtain 30-40 quizzes. To make up for a poor score in a quiz, 5 “redos” must be done for each wrong problem within one week of return. This is not just writing out 5 times the correct answer. This is creating and solving 5 different examples of the same kind of problem you missed. Please include original quiz with the redos. A missing quiz (even with excused absence) is a zero.
- B. Summaries (15 points):** These are to be typed and class-dated at all times. These are a synopsis of what we did in class that week: minimum 15 sentences (which does not include the math) describing topics discussed, any assignments, at least one math example from class, and, one original math example of the same type shown. More garners more points. You may state and solve one from in class or from the book but then you must create and solve your own. The math is to be typed as well using MS Equation, Mathcad, or any application that gives professional results. Please do not use carets, etc., for exponents because MS Equation can do this. If graphing is covered, do an example of this as well (this may be done in pencil with graph paper if necessary). *If we do not have any new math in the week, math examples are still expected in the summary.* You should include examples of any other learning that took place as well. The summary is to be handed in at the beginning of class. Weekly summaries are due the first day of the next week. **No summary = 0.**
- Note:** There is one overall summary, the AAR of the course due the last week of classes. This is equivalent to more than one summary in points. The AAR refers to “After Action Review” which incorporates your responses to: a) What was supposed to happen? b) What did happen? c) What went right? d) What went wrong? and, e) What could be improved? These responses are concerning the course and how it was run. Math is not required in the AAR.
- C. Project (30 points):** Possible options for projects range from tutoring math in Service Learning to creating online math tutorials including real applications. Each project must be discussed with and approved by instructor. Projects may be done individually or in a group. All projects are graded proportionately to the number of individuals involved.
- D. Exams (30 points):** There is a **Midterm (15 pts)** and a **Final (15 pts)** exam scheduled which are traditional.
- E. Policies:** You are responsible for knowing what went on in each class whether you are absent or not. For any missed class, valid documentation for absence is required. If you do not understand any concept, stay after class or go to office hours. If you are having problems with the pace of the course or need extra provisions for completing assignments or tests, please have documentation before these are due. All missing work or quizzes are zeros. Be on time for class. If you are late and lecture has begun, enter quietly and take the nearest seat available. Class is dismissed on time or when instructor so indicates. Student honor code is according to your handbook. Plagiarism, copying, and unapproved cheating may result in forfeiture of grade. This applies to computer use and Internet research as well.
- F. Notes:** Do not leave anything to the last minute. Phone instructor at all times when you experience difficulty completing a task. Your grade is an **accumulated** total at all times. Because the points are distributed among many different items, you need to keep up with each item. There is no “curve” nor “average overall”.