



**MATHEMATICS IA**  
**Course Outline: 2251**

**I. Textbook Assignment Options:**

- A. *Working With Numbers, Level A (2.5 credits)*
- Complete all problems and activities.
  - Complete Extension Activity A.
- B. *Working With Numbers, Level B (2.5 credits)*
- Complete all problems and activities.
  - Complete Extension Activity B.

**II. Extension Activities**

- A. If you flip a coin what are the chances it will land on heads or tails? Predict which one will happen first. On a piece of paper create a table for heads and tails. Flip a coin 50 times. Keep track of how many times it lands on heads and how many times it lands on tails. Add up your tally. How many times did it land on heads? How many times did it land on tails? What is the probability that it will land on heads or tails? (NS 1-2.0, SDAP 1-1.0, MR 1-2.0)
- B. Using Mapquest.com on the Internet, get the driving directions and travel time from Bakersfield to San Francisco, California. Using the “Get Directions” icon, from “start”, enter your city, state and zip code. For “end”, enter San Francisco, CA. Record the following: 1) the number of miles of your trip to San Francisco and 2) the travel time to San Francisco. (SDAP 1-1.0)
- C. Teacher generated activity, approved by the site administrator

**III. Evaluation**

- Unit and/or final test.
- All textbook work must meet the 70% accuracy level for a “C” grade.