



**MATHEMATICS IID**  
**Course Outline: 3204**

**I. Textbook Assignment Options:**

A. *AGS Basic Mathematics, Part II (5.0 credits)*

- Complete: Chapters 8-13; even problems only (**omit**: “Applications” unless assigned under Extension Activities).
- Read and complete: all Chapter 12 problems.
- Complete: “Chapter Review” problems; even problems only.
- Complete: 1 Application Activity (Section A) and 1 Technology Activity (Section B) from the Extension Activities listed below.

B. *Pacemaker Basic Mathematics, Part II (5.0 credits)*

- Read and Complete: Chapters 10-18, all problems.
- Complete one Extension Activity from Section B.

**II. Extension Activities**

A. Application Activities

1. AGS, Chapter 9: “I’ve Got You Covered”
2. AGS, Chapter 13, “Chilly Integers”
3. Teacher generated activity, approved by the site administrator.

B. Technology Activities

1. Using a search engine, such as Yahoo or Google, search for auto.com. Choose 3 cars to research within a price range of \$15,000 to \$20,000. Click: “Buy a car” and select “classifieds”. Type in the price range and click “search.” For each of the three cars you select, assume that you will take out a 3-year loan. From the information gathered, record the following:
  - Interest rate
  - Loan term
  - Car model
  - Price + interest = loan total
  - Monthly payments

Make a decision about which car you will buy and write a paragraph explaining your decision.

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2. Assume that you are searching for an apartment to rent. Go to the <http://www.apartments.com> website. Record the following information about 3 different apartments that you find to rent:
  - State, region and area
  - Name and location of the apartment
  - Rental amount per month
  - Amount of security deposit required
  - Utilities included? Yes/no
  - Total cost for 1 year, including deposit and utilities
  
3. 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.