

**MTH 1250**  
**Statistics for Pharmacy and Allied Health**  
**Fall 2009**

**COURSE OUTLINE**

*Instructor:* **Dr. David Rosenthal**

*Office:* **SJH 334C**

*Office hours:* **Tuesday 2:00-3:00pm, 6:45-7:45pm**

**Thursday 2:00-3:00 (in SJH 203)**

*Email address:* **rosenthd@stjohns.edu**

*Course homepage:* **[http://facpub.stjohns.edu/~rosenthd/MTH\\_1250\\_Homepage.html](http://facpub.stjohns.edu/~rosenthd/MTH_1250_Homepage.html)**

**Textbook**

Introduction to Probability and Statistics, 13<sup>th</sup> edition, by Mendenhall, Beaver and Beaver.

**Topics**

- Simple Probability and Baye's Theorem
- Statistics (mean, standard deviation, discrete and continuous distributions)
- Sampling and the Central Limit Theorem
- Estimation and Hypothesis Testing
- Linear Regression
- Chi-square distribution

**Course Work**

- Homework (assigned daily).
- Six in-class quizzes (dates to be announced), the lowest of which is dropped.
- Two in-class tests (dates to be announced).
- Cumulative Final Exam (date to be announced).

**Evaluation**

- Quizzes: 25%
- Tests: 20% each
- Final Exam: 35%