

Math 246  
Master Syllabus  
2010–2011

**Text:** *Calculus for Biology and Medicine*, 3rd ed., by Claudia Neuhauser.

**Material:** The course will cover Chapters 2–5.

**Course goals:** The main goal of the course is to understand the derivative, both as the slope of a tangent line and as a rate of change, and to learn to compute it. The most important applications, at this level, are to optimization and curve sketching.

**Prerequisites:** MATH 112 or a satisfactory placement score.

**Note:** Students who already have credit for 241 or 251 cannot receive credit for 246.

**Grading:** This will vary from instructor to instructor, but a typical scenario would have two midterms (one hour each), a two-hour final exam, weekly homeworks, and perhaps quizzes.