Math 122 – Business Calculus

Term: Fall 2015   Professor: Erich Friedman

About the course: We will meet MWF from 1:30–2:20 in Elizabeth 209. This course will essentially cover material from chapters 1–6 of the text, *Applied Calculus* by Waner and Costenoble (6th edition). Topics of the course include the concepts of limits, derivatives, and extrema, with an emphasis on the meaning and usage of the derivative. We will, of course, be using these ideas to solve business related problems. Unlike your previous math courses, you will find that calculus is not about memorizing formulas. It is about understanding the concepts of limiting behavior and rates of change. The development of this material some 300 years ago was perhaps the greatest mathematical achievement in history. I hope you enjoy discovering it with me.

About me: My e-mail address is eriedma@stetson.edu. My extension is x7552. My web page can be found at http://www2.stetson.edu/∼efriedma/. My office is Elizabeth 214–2. My office hours this semester are MWF 10:50–12:00 and T 11:15–12:00. I am always in my office during these times. If you cannot make my regularly scheduled hours, let me know and we can set up another time to talk. Please come by if you need help, or if you just want to chat. You will soon see that my lecture style is informal. I will be calling you by your first names (or a nickname if you prefer), so please call me Erich.

About you: You should be comfortable with basic algebra skills, including negative and fractional exponents, factoring, solving equations, functions, graphing, linear, quadratic, exponential and logarithmic functions. If you need to review this material, do so now, as there will be no time for it later. Attendance in this class is not mandatory, but do not expect me to help you if you do not help yourself. Please be respectful of both me and your classmates. This means coming to class on time and not socializing in class. You will need a calculator, one that does exponentials and logs, and preferably one that graphs.

About ways to get help: I am available during my office hours above, but the math department offers other ways to get help. There is a free Math Clinic which runs MW 2:30–4:30 right after class, and SuMTWTh from 7–10 pm, in our classroom. Please seek help as soon as you fall behind. The math secretary in Elizabeth 211 also has a list of paid tutors available at other times.

About cell phones: It is polite to silence your cell phones during class. If one goes off in class, for any reason, it's mine for the rest of the day.

About the honor code: Stetson has an honor code. You are not only expected to do your own work, but to tell me if another student is not. The punishment for cheating is an F in the course.

About Quantitative Reasoning: In order to assure that Stetson University is meeting its goals in providing an excellent General Education, the College has established specific General Education Learning Outcomes for all courses meeting a particular area requirement in the General Education curriculum. To monitor how well students are meeting those outcomes, instructors of those courses regularly submit work to the committees assessing each outcome. While the outcomes of these assessments are primarily for our internal use in monitoring and enhancing our curriculum, we may occasionally report the results of these assessments in published research or academic conferences. All such reports will include aggregate (not individual) data and will not include information that could identify the student or the instructor. While the use of this information within the institution is part of normal educational practice, you may choose not to allow data derived from your own work to be used for published reports or presentations by signing an "opt out" form in the Registrars office.

About Accommodations: If you anticipate barriers related to the format or requirements of this course, you should meet with the course instructor to discuss ways to ensure full participation. If disability-related accommodations are necessary, you should register with the Academic Success Center (386-822-7127; stetson.edu/asc) and notify the course instructor of your eligibility for reasonable accommodations. You, your instructor, and the Academic Success Center will plan how best to coordinate accommodations.

About your grade:

•**Homework** can be found on the syllabus, but will not be collected or graded. I will answer questions in class as time permits. The harder problems problems are an indication of what the quiz and test problems will look like. I encourage you to work together on the homework problems. You should do as much or as little homework as you need, but the leading cause of failing this course is not doing enough homework.

•**Quizzes** (5 of them) are announced on the syllabus. These quizzes will be about 30 minutes long, one side of one page, and will cover recent material. Each quiz is worth 50 points.

•**Tests** (3 of them) are also announced on the syllabus. Tests are often 3 pages long, and you will have the entire period to complete them. Please check your schedule now to see that there are no conflicts. If you are going to miss a quiz or test, please arrange something with me beforehand. If you miss a quiz or test without telling me beforehand, there is a 10% per day penalty, no exceptions. On the quizzes and tests, you will be expected to show your work and explain your answers. Each test is worth 100 points.

•**The Final Exam** is comprehensive and is worth 200 points. There are 750 points total in the course. I use the standard 90/80/70/60 grading scale.