

## **BUSINESS MATHEMATICS II (MATH 115B)**

### **SPRING 2013**

The following items apply to *all* sections of *Math 115b* at the University of Arizona.

**Objectives and Structure.** *Business Mathematics II* is specifically designed to prepare students for subsequent work in their business majors and for their future careers in the business community.

**Prerequisite.** Successful completion of *Business Mathematics I (Math 115a)*.

**Text.** *Mathematics for Business Decisions, Part 2*, Release 2.2, 2011, by Thompson and Lamoureux.

**Required Course Materials.** (i) *Text*. (ii) Scientific or graphing calculator. Calculators that perform symbolic manipulations (such as the TI-89 or TI-92) are not permitted. (iii) A USB mass storage device or blank CD-Rs or CD-RWs, as needed for reports and homework. (iv) *Student Manual for Mathematics for Business Decisions Part 2 and Calculus for Business Decisions*, 2nd Edition, by Williamson, Mendel, Tarr, and Yoklic, is strongly recommended, but not required.

**Turnitin.** You will be required to have or create a *TurnItIn* user profile and to join the *TurnItIn* class created for your section of *Business Mathematics II*. Your instructor will provide you with the class ID and enrollment password. Alternatively, your instructor may require that you submit files to a D2L dropbox and have files checked by *TurnItIn*.

**Classroom Conduct.** You are expected to be familiar with and to abide by the University of Arizona's *Student Code of Conduct* and *Policy on Threatening Behavior by Students*. In addition to the conduct that is prohibited by these policies, the use of electronic devices such as cell phones, MP3 players, PDAs, etc. during class is not allowed. Also, food or drinks are not permitted in the classroom. Students found to be in violation of these policies may be subject to disciplinary action.

**Academic Integrity.** You are expected to be familiar with and to abide by the University of Arizona's *Code of Academic Integrity*. To read a discussion of these issues in the context of *Business Mathematics II*, go to the Business Math Internet site and click on the proper link. Your instructor may provide additional information about the expectations for your section. Students found to be in violation of these policies will be appropriately sanctioned.

**Daily Homework.** The *Course Syllabus* lists the topics that are to be studied during each class meeting. The text contains exercises, *all* of which should be completed while studying the material.

**Graded Homework.** Exercise sets will be provided by your instructor and collected on a regular basis. The due dates for these assignments will be announced in class. *Your instructor will establish a policy on whether graded homework may be submitted by individuals or by teams.*

**Reports.** Teams will give preliminary and both oral and written final reports on the projects. All written reports must be printout of either *Word* files or *Excel* workbooks. Any member of a team may be called upon to explain material during the oral report. Your instructor will inform you of the report grading policy in your section.

**Examinations.** *Two midterm examinations* will be given as shown in the *Course Syllabus*. *Final examinations in all sections of Math 115b will be given at a common time, Wednesday, May 8, from 8:30 PM to 10:30 PM.* Your instructor will notify you about the location of the examination.

**Additional Work.** Your instructor may give credit for announced or unannounced *quizzes*, and for various types of additional work, including *Excel* assignments.

*Questions regarding the grading of any assignment or exam must be addressed no later than one week after the assignment or exam is returned.*

**Course Grades.** The two team projects will be worth 150 points each, the two midterm examinations will be worth 100 points each, and the final examination will be worth 200 points. Other work, at the discretion of your instructor, will earn an additional 200 points. This work may consist of, but not necessarily be limited to, individual and team homework, in-class quizzes and D2L quizzes. Your course grade will be based upon the fraction of 900 points that you earn. If you earn at least 55% of the total points for individual work *and* at least 55% of the total points for team work, then the following grading scale will be used.

You are guaranteed a grade of:

- A - If you earn at least 810 points
- B - If you earn at least 720 points
- C - If you earn at least 630 points
- D - If you earn at least 540 points

Otherwise, you will receive a failing grade for the course. For course grade purposes, individual work is defined to include the midterm examinations, the final examination, and in-class quizzes (including project quizzes). Team work is defined to include team homework (if assigned) and the preliminary and final reports on the projects.

**Incomplete Grades.** If you fail to complete the course due to circumstances unforeseen, then you may qualify for a grade of I (“incomplete”) if all of the conditions are met:

1. You have completed all but a small portion of the required work.
2. You have scored at least 50% on all work completed.
3. You have a valid reason for not completing the course on time.
4. You agree to make up the material in a short period of time.
5. You ask for the incomplete before grades are due — 48 hours after the final exam.

### **Students with Disabilities**

If you anticipate issues related to the format or requirements of this course, please see your instructor during office hours or by appointment to discuss ways to ensure your full participation in the course. If you determine that formal, disability related accommodations are necessary, it is very important that you be registered with the Disability Resource Center (621-3268; drc.arizona.edu) and that you provide your instructor with official notification of your eligibility for reasonable accommodations. You and your instructor can then plan how to best accomplish your accommodations.

## **TEXTBOOK INFORMATION**

### **MATHEMATICS FOR BUSINESS DECISIONS PART 2**

*Math 115b* uses the electronic text *Mathematics for Business Decisions, Part 2*, Release 2.2, 2011, by Richard Thompson and Christopher Lamoureux. It is to be downloaded from the D2L site for your section of the course. The material consists of a set of *PowerPoint*, *Excel*, and *Word* files, along with many links to streaming video and internet sites.

The main content of *Mathematics for Business Decisions, Part 2* is in three *PowerPoint* files *MBD Part 2.pptx*, *MBD 2 Proj 1.pptx*, and *MBD 2 Proj 2.pptx*. *MBD Part 2.pptx* is the starting point for study of the material. It contains information about the course and its project structure. There is also an extensive section on how to use the electronic text effectively and a self-grading test over the necessary prerequisite computer skills. All parts of the file may be accessed from links in its *Table of Contents*, or located with its electronic *Index*.

### **SYSTEM REQUIREMENTS**

*Mathematics for Business Decisions, Part 2* will run on **PC's** with *Windows XP, Vista, or Windows 7*; and *Excel, PowerPoint, and Word* from *Microsoft Office Suite 2007* or later. It is **not** designed to run on the *Macintosh* platform. Some people have found that the course files run acceptably on *Macintosh* computers, others have had major problems with that operating system. Use the texts on *Macintosh* systems at your own risk.

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