Department of Mathematics and Statistics  
MTH 143.004 and 143.005—Finite Mathematics  
Fall 2019

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Department: Mathematics and Statistics  
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Phone: 936-468-1880

Class meeting time and place:  
143.004: MW from 2:30 - 3:45 in Math 202  
143.005: MW from 4 - 5:15 in Math 202

Office Hours:  
These hours have been set aside specifically to help students.  

<table>
<thead>
<tr>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
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</thead>
<tbody>
<tr>
<td>9:30-11:30am</td>
<td>1-2pm</td>
<td>9:30-11:30am</td>
</tr>
</tbody>
</table>

**Additional times are available by appointment**

I always do my best to make myself available for additional office hours

Course description:  
Mathematical functions and graphs, linear systems of equations, matrices, linear programming, mathematics of finance; applications.

Text and Materials:  
The textbook is *Finite Mathematics with Applications in the Management, Natural, and Social Sciences*, 12th Edition, by Lial, Hungerford, Holcomb, and Mullins. Chapters 1 through 7 will be covered in this course.

Online homework will be required using My Math Lab at www.mymathlab.com. When you create an account, use the following course ID: rotenberry49191  
There are complete instructions at the end of the syllabus. You need to get your account setup as soon as possible. **It is your responsibility to keep up with all due dates.** My advice is to check My Math Lab daily. It is extremely important to keep up with the homework on My Math Lab. Due dates on My Math Lab will not be extended. There are several computer labs on campus including at the library for you to use if you have computer problems. At the end of the semester I will drop your 3 lowest homework grades. There will also be suggested problems from the textbook for extra practice during the semester.

A 1” or 2” binder is recommended, dividers, different colored highlighters, paper, and pencils. **There will be points deducted for any assignment turned in that is written with anything other than a pencil.** This is a math class, invest in some pencils (using highlighters/colored pens/colored pencils to help emphasize what you have written is permitted and encouraged). Class notes will be taken fill-in-the blank style; I will bring the printed notes to class the first two weeks and you will fill in the blanks as we go through lecture. After the second week, you will be responsible for printing the notes from D2L prior to class. You will need a calculator daily in this class. A graphing calculator is acceptable, however a scientific calculator will be sufficient. You are not allowed to use your phone as a calculator. The use of phones in class is prohibited and you may be asked to leave class if it becomes a distraction.

Course Requirements:  
There will be three exams and a final exam.  
Exam 1 – Monday, Sept. 16th  
Exam 2 – Monday, Oct. 14th  
Exam 3 – Monday, Nov. 11th  
Final Exam - Section 004 (MW at 2:30) – Friday, Dec. 13th from 10:45am – 1:15 pm  
Section 005 (MW at 4) – Wednesday, Dec. 11th from 4:15 – 6:45pm
Please note that the dates for our in-class exams are subject to change, but the final is university scheduled and cannot be taken at a different time without permission of the Dean of the College of Sciences and Mathematics.

The final exam is comprehensive and mandatory. Your final exam grade can be used to replace a low or missing exam grade. Therefore, there will be no make-up exams. If you miss an exam, your final exam grade will be substituted in place of the missing exam grade.

Grading Policy:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily Average [CO: 1,2,3]</td>
<td>20%</td>
<td>90% - 100% A</td>
</tr>
<tr>
<td>Tests (3 @ 20% each) [CO: 1,2,3]</td>
<td>60%</td>
<td>80% - 90% B</td>
</tr>
<tr>
<td>Comprehensive Final Exam [CO: 1,2,3]</td>
<td>20%</td>
<td>70% - 80% C</td>
</tr>
<tr>
<td>Final Course Grade</td>
<td>100%</td>
<td>60% - 70% D</td>
</tr>
</tbody>
</table>

20% of your grade will be determined by your daily average. This will include in-class activities, worksheets, quizzes, homework assignments, My Math Lab, etc. In-class activities, worksheets, and quizzes cannot be made up. Homework and My Math Lab assignments will not be accepted late. However, I will drop one or two of the daily grades at the end of the semester.

Attendance Policy:

Attendance is expected and recorded for all students. Attendance will not be formally factored into your course grade, however, missing in-class activities, quizzes, etc, could lower your daily average. Also, missing classes will significantly reduce the instruction you receive, and will therefore naturally decrease your semester grade.

You must make a commitment to attend every class, to arrive on time and to stay the entire time. Bring all necessary materials to each class, be attentive to the task at hand, take notes, and be prepared to participate in class discussions. You must make an additional commitment of doing work outside of class - one to two hours every day. Most importantly, ask for help when you need it.

Additional Help:

Free tutoring is available from the AARC. They offer Learning Teams, one-on-one tutoring, and the Math Walk-in Table. For more information, visit the AARC website at www.sfasu.edu/aarc.

The following is an excerpt from SFA Policy 5.4:

*The federal definition of a credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates:

1. Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or 10 to 12 weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time, or;

2. At least an equivalent amount of work as outlined in item 1 above for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.*

To this end, all students in courses offered by the Department of Mathematics and Statistics that wish to be successful should plan to spend each week a minimum of two hours outside of class for every credit hour associated with this course. Expected activities to be completed in the time outside of class include reviewing notes from previous class meetings, reading assigned course resources, completing all assigned exercises and projects, and performing periodic assessment preparation. See [http://www2.sfasu.edu/math/docs/syllabi/MTH143Syllabus.pdf](http://www2.sfasu.edu/math/docs/syllabi/MTH143Syllabus.pdf) for elements common to all sections.
<table>
<thead>
<tr>
<th>Week #</th>
<th>Monday's Date</th>
<th>Material Covered and Exam Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>August 26(^{th})</td>
<td>1.1 Graphs 1.2 Functions</td>
</tr>
<tr>
<td>2</td>
<td>September 2(^{nd})</td>
<td>2.1 Solving Linear Equations 2.2 Linear Functions 2.3 Applications of Linear Functions</td>
</tr>
<tr>
<td>3</td>
<td>September 9(^{th})</td>
<td>Finish 2.3 2.4 Systems of Linear Equations</td>
</tr>
<tr>
<td>4</td>
<td>September 16(^{th})</td>
<td>Exam 1 – Monday, September 16(^{th}) 2.5 Linear Programming: The Graphical Method</td>
</tr>
<tr>
<td>5</td>
<td>September 23(^{rd})</td>
<td>Finish 2.5 3.1 Matrix Operations</td>
</tr>
<tr>
<td>6</td>
<td>September 30(^{th})</td>
<td>3.2 Gauss-Jordan Elimination</td>
</tr>
<tr>
<td>7</td>
<td>October 7(^{th})</td>
<td>3.3 Linear Programming: The Simplex Method</td>
</tr>
<tr>
<td>8</td>
<td>October 14(^{th})</td>
<td>Finish 3.3</td>
</tr>
<tr>
<td>9</td>
<td>October 21(^{st})</td>
<td>Exam 2 – Monday, October 14(^{th}) 4.1 Solving Quadratic Equations 4.2 Quadratic Functions and Applications</td>
</tr>
<tr>
<td>10</td>
<td>October 28(^{th})</td>
<td>5.1 Exponential Functions 5.2 Applications of Exponential Functions 5.3 Logarithmic Functions</td>
</tr>
<tr>
<td>11</td>
<td>November 4(^{th})</td>
<td>Finish 5.3 5.4 Solving Exponential and Logarithmic Functions</td>
</tr>
<tr>
<td>12</td>
<td>November 11(^{th})</td>
<td>Exam 3 – Monday, November 11(^{th}) 6.1 Simple and Compound Interest</td>
</tr>
<tr>
<td>13</td>
<td>November 18(^{th})</td>
<td>Finish 6.1 6.2 Annuities and Loans</td>
</tr>
<tr>
<td>14</td>
<td>December 2(^{nd})</td>
<td>Review</td>
</tr>
<tr>
<td>15</td>
<td>December 9(^{th}) Finals Week</td>
<td>Section 004 (MW at 2:30) – Friday, Dec. 13(^{th}) from 10:45 – 1:15 Section 005 (MW at 4) – Wednesday, Dec. 11(^{th}) from 4:15 – 6:45</td>
</tr>
</tbody>
</table>
To register for Rotenberry - Math 143 (Fall 2019):

2. Under Register, select Student.
3. Confirm you have the information needed, then select OK! Register now.
4. Enter your instructor’s course ID: rotenberry49191, and Continue.
5. Enter your existing Pearson account username and password to Sign In.
   You have an account if you have ever used a MyLab or Mastering product.
   » If you don’t have an account, select Create and complete the required fields.
6. Select an access option.
   » Enter the access code that came with your textbook or that you purchased separately from the bookstore.
   » If available for your course.
      • Buy access using a credit card or PayPal.
      • Get temporary access.

If you’re taking another semester of a course, you skip this step.
7. From the You’re Done page, select Go To My Courses.
8. On the My Courses page, select the course name Rotenberry - Math 143 (Fall 2019) to start your work.

To sign in later:

2. Select Sign In.
3. Enter your Pearson account username and password, and Sign In.
4. Select the course name Rotenberry - Math 143 (Fall 2019) to start your work.

To upgrade temporary access to full access:

2. Select Sign In.
3. Enter your Pearson account username and password, and Sign In.
4. Select Upgrade access for Rotenberry - Math 143 (Fall 2019).
5. Enter an access code or buy access with a credit card or PayPal.

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