Mathematics for Business and Social Sciences
MATH. 1324. 68801
Fall 2019
10/22/19 – 12/12/19

Professor: Munira Quraishi
Email: mcuraishi@dcccd.edu

Online Office Hours: See my 48-hour or less email return policy
Meeting Days & Time: Online
Room Number: Online
Credit Hours: 3 Semester hours

Division: Science, Technology, Engineering, & Mathematics (STEM)
Office Hours: M – F 8:00 am – 5:00 pm
Office Phone: 214-860-8760
Office Number: W147

Course Description: The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

Course Prerequisites: This is an entry-level course and is open to any student meeting TSI standards of college readiness (student must have appropriate assessment test score or have successfully completed DMAT 0310).

Course Materials/Supplies Needed

Required:
MyMathLab MML Access code only: 978-0-135-37421-4 (14th edition)
MyMathLab (MML) is the access code that provides the software required to do online homework assignments, quizzes, and tests. You may purchase an MML access code from the bookstore or by going to www.mymathlab.com.
You can use the following link for any MML questions you may have: http://pearsonmylabandmastering.com/students/support/

Calculator: A TI – 83 or TI-84 Plus Calculator

Optional:

a) Textbook: A regular textbook is optional. Below is the information you need, if you decide to purchase a regular textbook with MML access code or regular textbook only
MML Registration and Login: Textbook is an optional but MYMATHLAB (MML) access code is required by October 24, 2019 for homework assignments, practice tests and tests for this course. Failure to register by the end of the registration period will result in your being unable to complete the course. MML contains an online textbook. It is found in the Multimedia section of the course. Pearson Publishing allows students temporary access by providing a 14-day free access period. Prior to the end of the temporary access period you must purchase and register a valid access code, else the work you have completed will be lost. You must register on MML to do this course and you need the course ID to register. The course ID is quraishi28686. You may purchase an MML access code from the bookstore or by going to www.mymathlab.com.

MML registration and login information is under “Start Here” on eCampus. You may use this link www.mymathlab.com to register to MML. You MUST USE SAME NAME as appears on eConnect/eCampus when you fill out the personal information on MML. When MML name is different than eConnect/eCampus name, your course work will not transfer to eConnect/eCampus to get a course credit. Once you login to MML, explore all provided tools to get familiar with MML.

MML Technical Support: If have problems getting registered or accessing your MML software, please contact the Pearson Student-Support Helpdesk Line at http://www.mymathlab.com/student-support or call 1-800-677-6337.

Snapshot of your College Mathematics (Business Algebra) textbook

THECB Learning Outcomes
Upon successful completion of this course, students will:
1. Apply elementary functions, including linear, quadratic, polynomial, rational, logarithmic, and exponential functions to solving real-world problems.
2. Solve mathematics of finance problems, including the computation of interest, annuities, and amortization of loans.
3. Apply basic matrix operations, including linear programming methods, to solve application problems.
4. Demonstrate fundamental probability techniques and application of those techniques, including expected value, to solve problems.
5. Apply matrix skills and probability analyses to model applications to solve real-world problems.
Core Statement:
MATH 1324 is a Tier 1 course in the Quantitative Reasoning learning category. "Knowledge and skills that are important to your success in other college courses will be introduced and reinforced in Tier 1. The Quantitative Reasoning category promotes the application of mathematics to increase your ability to solve "real-world" problem. When you are quantitatively literate, you can use logic and critical thinking in new ways." - Catalog of the Colleges of DCCCD

Core Objectives:
MATH 1324 develops the following Core Objectives:

Critical Thinking – to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.

Communication – to include effective development, interpretation and expression of ideas through written and visual communication.

Empirical and Quantitative Skills – to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Core Objective Development Statement:
MATH 1324 develops Critical Thinking, Communication, and Empirical and Quantitative Skills by requiring students to solve and analyze applications of various functions to management, economics, and business.

Course Outline:
Chapter 1 A Library of Elementary Functions
Chapter 2 Functions and Graphs
Chapter 3 Mathematics of Finance
Chapter 4 Systems of Linear Equations; Matrices
Chapter 5 Linear Inequalities and Linear Programming
Chapter 6 Linear Programming: Simplex Method (optional)
Chapter 7 Logic, Sets, and Counting
Chapter 8 Probability

Evaluation Procedures:
There are homework assignments, practice tests, tests and a comprehensive final in MML. Students are expected to login and utilize the course materials and activities in MML on regular basis. It is mandatory that you regularly do your MML assignments according to the specified dates or in advance. Please understand that overall score on MML gradebook is not accurate if you have any missing assignments. MML grade will be much higher than your actual grade until I input “Zeros” for any missing assignments. Remember that your actual grade will be much lower than MML if you have any missing assignments.

Homework: 30%
Practice Tests: 20%
Tests: 35%
Final Exam 15%

1. HOMEWORK 30%
Homework is the most important learning tool in a course. Once you login to MyMathLab.com, you should follow these steps: 1. Click on MATH 1324, on the left hand side. 2. Click on the HOMEWORK tab, and you will see the list of your homework assignment with the due date next to each assignment.
There is no penalty for making mistakes when you are working on your homework problems. As long as you click on the similar exercises tab, and you solve the problem correctly, you will receive the full credit for that problem. There is no limit on time and number of attempts to receive the full credit for the problems.

2. PRACTICE TESTS 20%
Practice Tests are uploaded into MyMathLab. After you have taken and passed the practice test, then you are ready to take a test. There are a total of 4 PRACTICE TESTS, and you are allowed to take each of the practice tests up to 3 times, and your highest score will be recorded. Your practice Tests are all online, and in order for you to take them you should go to MyMathLab.com, and click on Assignment tab. You are able to print your Practice Test, after completing of your first attempt. One of the lowest Practice test grades will be Dropped.

3. TESTS 35%
There will be 3 major tests 35%, in addition to a comprehensive final exam 15%.
Your Tests are all online, and in order for you to take them you should go to MyMathLab.com, and click on Take a Test tab. There are only two attempts for test and you need to take in one session. One of the lowest Test grade will be dropped.
THE DUE DATES ARE SET IN STONE, FOR PRACTICE TESTS, AND THE TESTS!!

Grading Scale:

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<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90 to 100</td>
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<tr>
<td>B</td>
<td>80 to 89</td>
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<tr>
<td>C</td>
<td>70 to 79</td>
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<tr>
<td>D</td>
<td>60 to 69</td>
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<tr>
<td>F</td>
<td>0 to 59</td>
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Attendance and Participation Policy
This course is 100% online and therefore requires no physical classroom attendance. Each class participant is responsible for studying the material presented in MML. Although there is no physical attendance, there is an attendance requirement. You must participate in the class by October 25 by sending an email to instructor with your full name and course number. Participation in this course is also defined as registering in MML and getting access by October 25, 2019. Failure to participate will result in being certified as non-attending with all the associated ramifications of that non-attending certification, not the least of which is forfeiture of financial aid. For more information concerning financial aid requirements go to https://www.dcccd.edu/pc/fa/awarding/pages/enrollment.aspx.

Financial Aid will not be granted to students who have been certified as not attending, by the certification date. For certification dates, check with the division or FAO for further information. Students, who are not certified as beginning class, are responsible for any payments due as a result of non-certification, to include the dropping of courses.

"Attending" in this course means maintain active participation through MML and eCampus. The lessons on the computer are like attending the lecture portion of an on-campus class. In addition, just as in any on-campus class, you will need to be spending at least 3-4 hours every day working on assignments in MML. Attendance and participation are dependent upon your computer and it is your responsibility to resolve your computer issue. Do not wait until a test due date to fix your computer.
problems. That does not merit a due date extension.

Certification Procedures:
Please, reply to this email (MQuraishi@dcccd.edu), by October 25. 2019, with the following information:
1. First and last name, as it appear in your admission enrollment papers and Course number
2. An alternate email address, if it is available

Emails
Communications will be done via email. Your email address must be current. When sending an email, you must include your full name, the course number, and section number in the body of your email. Failure to follow these procedures could result in a delay in receiving a response. Your emails will be answered within 48 hours of receipt and 72 hours if the email is received on the weekend. Do NOT assume that an unanswered email was received – ALWAYS RESEND if you do not receive a reply within the specified timeframe mentioned.

Late Work Policy: This is not a self-paced class. For this online class, you MUST keep up with due date specified in MML. All assignments must be completed and submitted on time. Late work will not be accepted.

Makeup Exam Policy: There will be no makeups.

Withdrawal Date: The withdrawal date for this class is November 27, 2019. Please note that if you sense that you will not be able to stay on task with your assignments in this class, for whatever reason, then please drop the class not later than November 27, 2019 in order to receive a “W”. If you do not drop by this date, you will receive the grade that you earn.

Academic Dishonesty:
Students that caught plagiarizing an assignment will be subject to an “F” in the course and possible expulsion from the college.

Academic honesty is expected, and integrity is valued in the Dallas County Community Colleges. Scholastic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion. As a college student, you are considered a responsible adult. Your enrollment indicates acceptance of the DCCCD Code of Student Conduct published in the DCCCD Catalog. More information is available at https://www1.dcccd.edu/catalog/ss/code.cfm.

Institution Policies: Institutional Policies relating to this course can be accessed from the following link: www.mountainviewcollege.edu/syllabipolicies for a complete list of institutional policies (Stop Before You Drop; Withdrawal Policy; Repeating a Course; Financial Aid; Academic Dishonesty; Americans with Disabilities Act Statement; Religious Holidays; and Campus Emergency Operation Plan and Contingency Plan.).

NOTE: The instructor reserves the right to modify any course requirements and due dates, as necessary to manage and conduct this class. The intent of the instructor is to promote the best education possible within prevailing conditions affecting this class. You are responsible for contact the instructor and seeking clarification of any requirement that is not understood in the syllabus.