MATH 1316-001 SPRING 2018

10:00-10:50 MWF PKH 110

INSTRUCTOR: HARVY BAKER

OFFICE: 452 PHK OFFICE HOURS: 11-12 WF

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**TEXT:**  1. **Workbook by Shanna Banda**: The combo Math 1315/1316 edition entitled: **Algebra & Calculus for Economics & Business**. It is loose-leaf and sold in the UTA bookstore for about $45, **AND**

2. **Choose one of the following options:**

**A. Purchase in the UTA bookstore access to the digital version of our text Mathematics with Applications by Lial which includes access to the online MyLabsPlus homework. Everyone has access to this material for the first 2 weeks but to retain this access beyond this 2 week point the access needs to be purchased from the UTA bookstore ISBN# 9781323794371. The cost to retain this access is about $77.50. Access can be purchased elsewhere but it will cost you more. This digital version of the text can be downloaded to your own device and will still be available to you when the semester is over.**

**B. Purchase a loose leaf version of the above text , Mathematics with Applications by Lial in the UTA bookstore ISBN# 9780321926128** . This will cost students approximately $25 but it will not include access to the online homework and helps available on MyLabsPlus. Students who choose this option will need to do the corresponding assigned homework problems located in the text book and check their answers in the back of the book.

**C. Students who want both access to the online homework problems and helps as well as a hard copy of the text can purchase in the UTA bookstore both of the above options for a cost of about $102.50.**

**Description of Course Content:** This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on mathematical tools and applications in business, economics, and social sciences. Chapters 11, 12, 13 as well as integration by parts will be covered.

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| **-Course Learning Goals/Objectives:** To develop mathematical tools that are useful in analysis of business and economics problems. The topics include: Differential and Integral calculus. After this course, the students should have an understanding of, Differential and Integral calculus sufficient to apply to real problems in Business and Finance.. . |

**Course Prerequisites:** Math 1315 or equivalent

**Semester Tests:** There will also be **3 major tests** given in this class. The **approximate** dates for these tests are:

**02/16/2018: covering sections 11.1 – 11.7**

**03/28/2018: covering sections 11.8 – 12.6**

**04/27/2018: covering sections 13.1- 16.1**

**All tests will be of a multiple choice format and a scantron form 882-E will be required for all tests**. **Students need to provide their own scantrons for tests**. Tests will be closed book but calculators and a 4 by 6 note card will be allowed. A detailed review sheet will be provided. [ *As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course*.]

**Final Exam:** There will also be given a **comprehensive departmental final exam.** The date for the final exam is **Saturday May 5, 2018 .** This date needs to be kept open for the final so put it on your calendars and schedule around it. TIME: 9-11:30 AM ROOM: TBA

**SIGNATURE ASSIGNMENT: THERE IS A SPECIAL ASSIGNMENT THAT COVERS A LARGE PORTION OF THE COURSE. IT IS A PART OF SACS REQUIREMENTS FOR ALL STATE INSTITUTIONS OFFERING CORE COURSES SUCH AS THIS ONE. IT IS TO COUNT 5% OF YOUR GRADE IN THE COURSE. YOU WILL RECEIVE A HARD COPY OF THIS ASSIGNMENT FAIRLY EARLY IN THE SEMESTER (I.E. SOON) AND IT WILL NOT BE DUE UNTIL SOMETIME LATE IN THE SEMESTER, AFTER WE HAVE COVERED ALL THE MATERIAL ON IT. MORE WILL BE SAID ABOUT THIS IN CLASS.**

**EVALUATION:** The lowest of the three test scores will be dropped and replaced by either the final exam score or the average of the other two test scores, whichever is the higher. Your numerical score in the course is then 65% of the average of the three tests, plus 30% of the final exam score, plus 5% of the Signature Assignment mentioned above. The usual assignment of grades: 90-100 A, 80-89 B, etc. will be used. The final exam is mandatory, must not be curved and must count 30%.

**Blackboard:**  To access the course on Blackboard, go to [**http://elearn.uta.edu/**](http://elearn.uta.edu/)or click on the Blackboard link located on the UTA student home page and log in with your NetID and password. Click on the name of the course in the upper left module after logging in. You should check on Blackboard periodically for announcements and other new material although this is usually done by email. RIGHT NOW there is material on Blackboard for you concerning among other things the details of how to get textbooks, digitally and otherwise (see above—there are essentially two of them, one workbook from the bookstore, one regular text available either digitally or loose-leaf or traditional hard copy, from the publisher or the bookstore).

**Attendance:** Will be taken every meeting, is expected, but will not count on your grade.

**IMPORTANT DATES:**

First Day of Classes: Jan 16

Spring Break: March 12 - 17

Census Day: Jan 31

Last day to drop classes: March 30 (Friday)

Last day of classes: Friday May 4

**Calculators**: A good scientific calculator or a graphing calculator is needed for this class. I personally usually use a TI 84. **You will not be allowed to use aTI-30X Pro, your cell phone, laptop calculator, or any calculator that has texting capability on a test .** [Otherwise you can use whatever calculator you prefer.]

**DROP POLICY:**  Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance**. Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships <http://wweb.uta.edu/ses/fao>).The last day for students to drop is **Wednesday 11/01/2017**.

**NEED HELP: 1 . UTA Math Clinic –located on 3rd floor PKH room # 325**

**2. See me during office hours**

**3. UTA Math Emporium Lab – located on 3rd floor PKH room # 308**

**4. The online homework comes with several different types of aids to help you**

**work the problems.**

**5. Take advantage of the student support services listed below.**

**Student Support Services**:UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include [tutoring](http://www.uta.edu/universitycollege/current/academic-support/learning-center/tutoring/index.php), [major-based learning centers](http://www.uta.edu/universitycollege/resources/college-based-clinics-labs.php), developmental education, [advising and mentoring](http://www.uta.edu/universitycollege/resources/advising.php), personal counseling, and [federally funded programs](http://www.uta.edu/universitycollege/current/academic-support/mcnair/index.php).

* **Universal Tutorial & Supplemental Instruction: (Ransom Hall 205)** UTSI offers a variety of academic support services for undergraduate students including: 60 minute one-on-one tutoring sessions, StartStrong Tutoring Program, and Supplemental Instruction. Office Hours are Monday – Friday 8:00 am – 5:00pm. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to [resources@uta.edu](mailto:resources@uta.edu), or view the information at <http://www.uta.edu/universitycollege/resources/index.php>. For more information visit [www.uta.edu/utsi](http://www.uta.edu/utsi) .
* **The IDEAS Center (2nd Floor of Central Library**) offers **free** tutoring to all students with a focus on transfer students, sophomores, veterans and others undergoing a transition to UT Arlington. To schedule an appointment with a peer tutor or mentor email [IDEAS@uta.edu](mailto:IDEAS@uta.edu) or call (817) 272-6593

**Academic Integrity: All students enrolled are expected to adhere to the UT Arlington Honor Code**:

* ***I pledge, on my honor, to uphold UT Arlington’s tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence****.*
* ***I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code****.*

It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University. "Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents’ Rules and Regulations, Series 50101, Section 2.2)

**Electronic Communication Policy:**

UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>

**Final Review Week:** A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

**Student Feedback Survey:** At the end of each term, students enrolled in classes categorized as lecture, seminar, or laboratory shall be directed to complete a Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student’s feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>

**Supplementary Information:**

**Disability Accomodations:** UTArlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including *The Americans with Disabilities Act (ADA), The Americans with Disabilities Amendments Act (ADAAA),* and *Section 504 of the Rehabilitation Act.* All instructors at UT Arlington are required by law to provide “reasonable accommodations” to students with disabilities, so as not to discriminate on the basis of disability. Students are responsible for providing the instructor with official notification in the form of **a letter certified** by the Office for Students with Disabilities (OSD).Only those students who have officially documented a need for an accommodation will have their request honored. Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting: **The Office for Students with Disabilities, (OSD)** [www.uta.edu/disability](http://www.uta.edu/disability) or calling 817-272-3364. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability)

**Counseling and Psychological Services, (CAPS)** : [www.uta.edu/caps/](http://www.uta.edu/caps/) or calling 817-272-3671 is also available to all students to help increase their understanding of personal issues, address mental and behavioral health problems and make positive changes in their lives.

**Non-Discrimination Policy: *The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit***[***uta.edu/eos***](http://www.uta.edu/hr/eos/index.php)*.*

**Title IX Policy:** The University of Texas at Arlington (“University”) is committed to maintaining a learning and working environment that is free from discrimination based on sex in accordance with Title IX of the Higher Education Amendments of 1972 (Title IX), which prohibits discrimination on the basis of sex in educational programs or activities; Title VII of the Civil Rights Act of 1964 (Title VII), which prohibits sex discrimination in employment; and the Campus Sexual Violence Elimination Act (SaVE Act). Sexual misconduct is a form of sex discrimination and will not be tolerated.*For information regarding Title IX, visit* [www.uta.edu/titleIX](http://www.uta.edu/titleIX) or contact Ms. Jean Hood, Vice President and Title IX Coordinator at (817) 272-7091 or [jmhood@uta.edu](file:///C:\Users\Nancy%20Wolff\Desktop\1316%20PDFs\Syllabus%20&amp;%20%20Assignmnet%20Sheet\jmhood@uta.edu)

**Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals. Evacuation plans may be found at <http://www.uta.edu/campus-ops/ehss/fire/EvacMapsBuildings.php> and <http://www.uta.edu/police/EvacuationProcedures.pdf>

**Campus Carry:** Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. Under the new law, openly carrying handguns is not allowed on college campuses. For more information, visit <http://www.uta.edu/news/info/campus-carry/>

**Emergency Phone Numbers:** In case of an on-campus emergency, call the UT Arlington Police Department at **817-272-3003** (non-campus phone), **2-3003** (campus phone). You may also dial 911. Non-emergency number 817-272-3381