

54Fall 2018- MATH 0332+1332 CONTEMPORARY MATHEMATICS CO-REQ

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OFFICE HOURS: 1:00 – 3:30 Tues & Thur, 9:00 – 12:00 Friday, and by appointment

MATH 0332/1332 Contemporary Mathematics Support Course/Contemporary Mathematics

COURSE DESCRIPTION: The Contemporary Mathematics Support Course (MATH 0332) is the study of the basic algebraic concepts necessary for success in MATH 1332, to include order of operations, exponent rules, polynomials, radical expressions, and the solution of equations and inequalities. This course is not applicable toward any degree. Prerequisites: Math level 6, Reading level 7. Co-requisite: MATH 1332 (3:3:0)

In Contemporary Mathematics (MATH 1332), this course is designed specifically for those students who will terminate their mathematical training with one or two courses in mathematics. It includes the fundamentals and principles of algebra; introduction to geometry and trigonometry; use of graphs, proportions, percentages, and logarithms; and heavy emphasis on applications. A grade of C or better is required from Math0332, Math0337, or Math0320. (3:3:0)

COURSE MATERIALS:

- **REQUIRED???:** MyMathLab Access Code – Purchased from the bookstore or online via Pearson’s website www.pearsonmylabandmastering.com. (The course code is available on the class’ Blackboard site or from the professor on the first day of class.)
- **REQUIRED:** Graphing calculator. The graphing calculator should be the equivalent of a TI-84 or lower. In other words, *you will NOT be allowed to use a TI-89 or higher on an exam. You may NOT use a TI-Nspire on an exam.*
- **REQUIRED: ???** Large 3-ring binder, 7 dividers, notebook paper, pencils, and erasers.
- **SUGGESTED RESOURCE:** Karl Smith. *The Nature of Mathematics*. 13th ed. Boston: Cengage Learning 2017. (available as an eBook or checkout in the library)
- **SUGGESTED SUPPLIES:** Colored pencils or highlighters, graph paper, and a ruler

STUDENT LEARNING OUTCOMES:

MATH 0332

Upon successful completion of this course, the student will be able to:

1. Add, subtract, multiply, and divide real numbers.
2. Use order of operations to evaluate expressions.
3. Understand the basics of geometric concepts.
4. Simplify and perform operations with radical expressions.
5. Solve linear equations and equalities of a single variable.
6. Solve quadratic equations by factoring and quadratic formula.
7. Graph linear equations functions.
8. Understand the basics of statistical concepts.

MATH 1332

Upon completion of the course, students will be able to:

1. Apply the language and notation of sets.
2. Determine the validity of an argument or statement and provide mathematical evidence.

3. Solve problems in mathematics of finance.
4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.
5. Interpret and analyze various representations of data.
6. Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings, including, but not limited to, personal finance, health literacy, and civic engagement.

GENERAL EDUCATION OUTCOMES:

1. **CRITICAL THINKING** – Students will develop habits of mind, allowing them to appreciate the processes by which scholars in various disciplines organize and evaluate data and use the methodologies of each discipline to understand the human experience.
2. **COMMUNICATION SKILLS** – Students will communicate ideas, express feelings and support conclusions effectively in written, oral and visual formats.
3. **EMPIRICAL & QUANTITATIVE SKILLS** – Students will develop quantitative and empirical skills to understand, analyze and explain natural, physical and social realms.

Grading:

Homework	30%
Unit Exams	60%
Final Exam	10%

Grading Scale:

A	90-100
B	80-89
C	70-79
D	60-69
F	59 or below

If you make a grade of A, B, or C then that is the grade you will be awarded for both halves of the course. However, if you COMPLETE THE COURSE and make a grade of D or F, then your grade for the Math 0332 course will be assessed at your professor's discretion. If you pass Math 0332 but not the Math 1332 portion of the course you will be able to register for Math 1332 in future semesters.

HOMEWORK/TEST MAKE-UP POLICY:

Homework and other assessments are mandatory. Knowledge of material will be assessed through graded assessments. Homework will be assigned on a daily basis. If a class is missed, it is the student's responsibility to obtain a copy of the notes, to pick up any worksheets or handouts, and to do the assigned homework. (Absence is not an excuse for failure to do homework.) Homework done after the due date will NOT be accepted. Completing all assignments is understood and expected, not optional.

You will have an assignment due each day and will be completed in class. Make-up work will not be allowed for a missed class assignment.

There are no retakes on tests, no makeup tests, and no such thing as missing the final exam. Exactly one test grade **may** be replaced with a higher final exam grade.

NOTE: Since homework is a part of your grade, you should be prepared to spend *at least* two hours outside of class for each hour you spend in class working on math. Doing homework at the tutoring center or with a group of peers is encouraged. Simply copying answers is still cheating, though, so be prepared to justify each answer.

ATTENDANCE POLICY: After five hours of unexcused absences (approximately three classes), the instructor reserves the right to refuse a request for makeup work. If a student misses class, it is *the student's* responsibility to obtain a copy of the notes, pick up any worksheets or handouts, and to do the assigned homework.

CLASSROOM ETIQUETTE: Class attendance is expected, not optional. Preparation for class (including homework) is to be completed before – not during – the lecture. Chronic tardiness (entrance after lecture has begun) will be handled on an individual basis at the instructor’s discretion but can include notation as absent and/or exclusion from admittance to class.

Class is over when the students have been dismissed by the instructor. Preparation to leave class should be done after, not during, the lecture.

NO tobacco use of any form is allowed in the classroom.

All electronic communication devices are to be silenced and put away during class.

Discussion of course material among students is encouraged at appropriate ways and times during class, but habitually disruptive students will be asked to leave.

EXAM ETIQUETTE: During exams there will be no talking. All electronic devices must be silenced and put away, with the exception of calculators. No cell phones may be used during exams. Once the first person turns in an exam, no one else may start. If you come in after that point, you will not be allowed to take the exam and you will receive a zero for that exam. Therefore it is extremely important that you be on time.

CLASSROOM BEHAVIOR: Be aware that class is over when I dismiss it, and not before. Any student who repeatedly disrupts my class will be asked to leave. Some of the things that I consider “disruptions” include, but are not limited to, packing your things before the end of class, ringing cell phones, talking while I am talking, making a late “entrance”, and so on. Texting while in class is also a disruption. **No tobacco products of any kind may be used at any time during class.** Chronic offenders will be banned from the classroom. It is phenomenally difficult to pass my class if you cannot attend on test days.

Do NOT use texting abbreviations in any correspondence with me.

DISABILITY STATEMENT: Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland Student Health & Wellness Center 806-716-2577, Reese Center Building 8: 806-716-4675, Plainview Center Main Office: 806-716-4302 or 806-296-9611, or the Health and Wellness main number at 806-716-2529.

NON-DISCRIMINATION: South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

SEXUAL MISCONDUCT: As a faculty member, I am deeply invested in the well-being of each student I teach. I am here to assist you with your work in this course. If you come to me with other non-course-related concerns, I will do my best to help. It is important for you to know that all faculty members are mandated reporters of any incidents of sexual misconduct. That means that I cannot keep information about sexual misconduct confidential if you share that information with me. Dr. Lynne Cleavinger, the Director of Health & Wellness, can advise you confidentially as can any counselor in the Health & Wellness Center. They can also help you access other resources on campus and in the local community. You can reach Dr. Cleavinger at 716-2563 or lclevinger@southplainscollege.edu or go by the Health and Wellness Center. You can schedule an appointment with a counselor by calling 716-2529.

DIVERSITY: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

CAMPUS CONCEALED CARRY: Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to the SPC policy at:
(http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.php)

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

HONESTY STATEMENT: South Plains College students should exhibit honesty, integrity, and high standards in their academic work. Members of the college community benefit from an open and honest educational environment. Upholding academic integrity is the responsibility of everyone. Refer to the Student Handbook Section: Policy on Cheating, Plagiarism, and Collusion.