

Instructor: Tom Baker (0324)
Office Number: 223A
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Conference Hours: Refer to the table below:

Professor: Kiyomi Kaskela (1324)
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Email: kkaskela@southplainscollege.edu
Conference Hours: Refer to the table below.

Office Hours Tom Baker				
Monday	Tuesday	Wednesday	Thursday	Friday
7:45-8:30	7:45-8:30	7:45-8:30	7:45-8:30	8-11
10:30-11	10:30-11	10:30-11	10:30-11	

Office Hours Kiyomi Kaskela (Also by appointment)				
Monday	Tuesday	Wednesday	Thursday	Friday
10:55 – 12:55 PM		10:55 – 12:55 PM		10:00 AM – 1:00 PM
	2:55 – 3:25 PM		2:55 – 3:25 PM	

Textbook:

(MATH 0324): NONE All materials are found on Blackboard.

(MATH1324): Mathematics with Applications in the Management, Natural, and Social Sciences, 12th edition, Lial, Hungerford, Holcomb and Mullins, Pearson Education. 2019. ISBN-10: 0-13-476762-4, ISBN-13: 978-0-13-476762-8

MATH 0324/1324 Mathematics for Business and Social Sciences Support Course/Mathematics for Business and Social Sciences

MATH 0324 COURSE DESCRIPTION: The Mathematics for Business and Social Sciences Support Course (MATH 0324) is the study of the basic algebraic concepts necessary for success in MATH 1324, to include exponent rules, radical and rational expressions, and the solution of equations and inequalities. This course is not applicable toward any degree. Co-requisite: MATH 1324 (3:3:1)

MATH 1324 COURSE DESCRIPTION: In Mathematics for Business and Social Sciences, 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 MATERIALS:

(MATH 0324): ALL materials are found on Blackboard. There is **NO TEXTBOOK!**

(MATH1324): RECOMMENDED: MyMathLab Access Code – Purchased from the bookstore or online via Pearson’s website www.pearsonmylabandmastering.com. This is not a part of your grade. It is supplementary purpose only. However, a test review for each test will be on MyMathLab. (The course code is kaskela74252.)

RECOMMENDED: In Math 0324/1324 a scientific calculator (TI 30XA) may be used on all work. In MATH 1324 a TI 83 or 84 Graphing Calculator may be used in some of Chapter 6 and Chapter 7.

The materials on this course website are only for the use of students enrolled in this course for purposes associated with this course and may not be retained or further disseminated. The materials on this course website may be protected by copyright; any further use of this material may be in violation of federal copyright law.

STUDENT LEARNING OUTCOMES:

MATH 0324

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

1. Perform operations using integer and rational exponents.
2. Factor and perform operations with polynomials.
3. Simplify and perform operations with rational expressions.
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. Solve systems of two linear equations in two variables.
8. Graph linear and quadratic functions.

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

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.

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.

ASSESSMENT PROCEDURES: The summary assessment of students’ mastery of the skills and concepts as specified in the expected learning outcomes will occur, with appropriate course grades assigned as follows:

(MATH 0324)

Points From	Total (Possible)	Percent
Daily/Weekly Work	200 (300)	16%
7 Tests *	700 (740)	58%
Final (2)	300 (320)	25%
	1200 (1360)	100%

Point Range	Course Grade
2149 +	A
1908 – 2148	B
1668 – 1907	C
1428 – 1667	D
0 – 1427	F

(MATH 1324)

720 – 800	A	Test 1, 2, 3 (3 x 100)	300
640 – 719	B	Test 4 (1 x 50) – a short test	50
560 – 639	C	Weekly grades (Quizzes, Homework Assignments)	250 (8 x 40 includes 70 extra points)
520 – 559	D	Final exam (1 x 200)	200
below 520	F		<hr style="width: 100%; border: 0.5px solid black;"/>
			800

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 0324 course will be assessed at your professor’s discretion. If you pass Math 0324 but not the Math 1324 portion of the course you will be able to register for Math 1324 in future semesters.

HOMEWORK/TEST MAKE-UP POLICY:

Homework and other assessments are mandatory. Knowledge of material will be assessed through graded assessments. Daily homework will be assigned. 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.) Completing all assignments is understood and expected, not optional.

(MATH 0324)

You will have a homework assignment due each day except the day AFTER a Major Test. Make-up work will not be allowed for a missed homework. Regular assignments will be posted on Blackboard that are to be completed and turned in at the beginning of the next class.

(MATH 1324)

Homework and Quizzes: Homework will be assigned each day. **All of your work will be shown on the homework, or it will be counted as not done. No late homework will be accepted.**

Weekly Grades: (20 points each week for 15 weeks) Either I will collect the assignments OR you will have a quiz on the assignments. For a quiz,

- you may use your homework assignments.
- you will work on your quiz for about 20 minutes either at the beginning of class or at the end of class.
- You turn in your homework assignments with your quiz.
- you must be present in class.
- 30 points from a quiz and 10 points from your assignments. (In a case of two weekly grades in one week, 40 points total per week.)

- Total of 320 points including 70 extra points (40 points x 8 weeks) as your semester weekly grade

There are **no retakes** on tests or 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 absences, the student with a failing average is in danger of being dropped from class with a grade a X. 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.

CLASS PARTICIPATION POLICY: You are expected to come to class on time every day. You are responsible for being in class to take notes. There are no make-up grades for missed quizzes. Chronic tardiness (entrance after lecture has begun) may be penalized with a loss of up to 5 points on a daily/weekly grade.

CLASSROOM ETIQUETTE:

- Class attendance is expected, not optional. Preparation for class (including homework) is to be completed before – not during – the lecture.
- 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 during class, but habitually disruptive students will be asked to leave.**

STUDENT SUPPORT: South Plains College provides free tutoring on a variety of subjects. Tutoring is paid for through your FEES when you enrolled. It is for your benefit. There is a Student Tutoring Center on each campus. On the Reese campus it is located in building 2 room RC212.

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 lcleavinger@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.

USE OF STUDENT EMAIL: The College provides a free, official email account to all students to ensure efficient and secure communications between you and the College. Students will be required to use their college-issued email address to communicate with their instructors and all other college personnel, so it is easy to distinguish a student's email from spam. The College expects that students will utilize their college email addresses to send and receive communications with college personnel and will read email on a frequent and consistent basis.

WITHDRAWAL POLICY: Students starting college for the first time in Fall 2007 or after may only receive six grades of W (grade received from a course dropped after the census date) from all Texas public colleges and universities attended. Grades of W in developmental courses or courses taken while in high school will not count in the six grades of W. After six grades of W are received, students must receive grades of A, B, C, D, or F in all courses. There are other exemptions from the six-drop limit and students should consult with a Counselor/Educational Planner before they drop courses to determine these exemptions. **Students receiving financial aid must get in touch with the Financial Aid Office before withdrawing from a course.** It is the student's responsibility to drop. Excessive absences (7 or more absences) may result in an administrative withdrawal with a Grade of X. If you plan to withdraw, please consult with the instructor immediately.

Recording Lectures: To improve the teaching method, the instructor may record the lecture with or without a notice.

Dropping a Course: To receive a grade of "W", which receives no grade penalty, a student MUST return a completed official drop form to the Admissions and Records office, if you decide to drop the course, by:

Special Dates for Spring 2019		
January 21	Monday	MLK BIRTHDAY
March 11-15	Monday-Friday	SPRING BREAK
April 22	Monday	EASTER MONDAY
April 25	Thursday	Last Day to Drop a Course

Tentative Course Schedule (MATH0324/1324 Spring 2019)

Week	DATE	LESSONS (0324)	Week	DATE	LESSONS (1324)
1	1/14	Introduction of course	8	3/4	3.1, 3.2
	1/15	1 Order of Operations		3/5	Mr. Baker's lecture
	1/16	2 Multiplying/CLT		3/6	3.3
	1/17	3 Solving Equations		3/7	3.4
2	1/21	NO CLASS: MLK BIRTHDAY	9	3/18	3.5
	1/22	4 Solving Inequalities (Kaskela)		3/19	3.6
	1/23	Review for Test		3/20	4.1, 4.2
	1/24	Test #1		3/21	Review
3	1/28	5 Writing Linear Equations	10	3/25	Test 4
	1/29	6 Graphing Linear Equations		3/26	4.3
	1/30	7 Solving Systems by Graphing		3/27	4.4
	1/31	8 Solving by Substitution		3/28	5.1, 5.2
4	2/4	9 Solving by Add/Elimination	11	4/1	5.3
	2/5	10 Exponent Rules		4/2	5.4
	2/6	11 Simplifying Radicals		4/3	6.1, 6.2
	2/7	Review for Test		4/4	6.3
5	2/11	Test #2	12	4/8	Test 5
	2/12	Factoring GCF & 4-term		4/9	6.4
	2/13	Factoring Trinomials		4/10	6.5,
	2/14	Factoring Special Polynomials		4/11	6.6
6	2/18	Solving by Factoring	13	4/15	7.1
	2/19	Solving by Quadratic Formula		4/16	7.4
	2/20	Rational Expressions		4/17	7.5
	2/21	Rational Equations		4/18	7.7
7	2/25	Intro to Functions	14	4/22	NO CLASS
	2/26	Zeros & Vertical Asymptotes		4/23	7.7
	2/27	Review		4/24	Review
	2/28	Test #3		4/25	Test 6
			15	4/29	8.3, 8.4
				4/30	9.1, 9.5
				5/1	Short Test 7; Review
				5/2	Final Review
			16	5/6-9	Final Exam Week