

# MATH 1314 JAVALAB SYLLABUS FALL 2014

COURSE TITLE: COLLEGE ALGEBRA

CREDIT: 3 semester hours



SECTION:	LH1	LECTURE ROOM:	109 (Lee HS)
INSTRUCTOR:	Dahirou Ndiaye	JAVALAB:	N/A
PHONE:	8323844560	E-MAIL:	dndiaye@houstonisd.org
OFFICE HOURS:	M-F (4 <sup>th</sup> Period)	LAB HOURS:	In class or Grad Lab (TBD)

**ALEKS COURSE ID:**  
HTLP9-N6KMF

## COURSE RESOURCE:

- **Required: ALEKS access code (usually purchased by Lee HS).**
- **Temporary two-week access code, if necessary:**

## COURSE DESCRIPTION

College-level topics in algebra including functions, graphs, variation, piecewise defined functions, equations of lines, elementary curve fitting, quadratic equations and functions, systems of linear and nonlinear equations, composition of functions, inverse functions, exponential logarithmic functions and applications related to these topics. Prerequisite: 2 years of high school algebra, and/or appropriate scores on mathematics placement tests, or a grade of C or higher in ALGE 0301 or MATH 0302.

This course will meet the following **Core Objectives**: Critical thinking skills, Communication skills, and Empirical and Quantitative skills.

## LEARNING OUTCOMES

Upon successful completion of MATH 1314, the student should be able to demonstrate conceptual understanding of and basic technical competence in linear, quadratic, logarithmic and exponential functions; as assessed by mastery of at least 60% of the specific learning objectives in the course.

## COURSE STRUCTURE:

- This course takes advantage of an advanced technology adapted to learning mathematics: You will take an **initial assessment** the first day of class that will determine the mathematical objectives you have already mastered, and set up the objectives you will learn during the course to fill your “pie.” The objectives are in groups of about 20 topics, which should be completed by the scheduled due dates. For every 20 topics you complete, or after each ten hours of time in ALEKS, the program will prompt you to take an ALEKS Assessment. Assessments may be taken anywhere. The objective or “pie” grade is based on the percent of topics in the objective you master by the date the objective is due.
- You will meet as a class with your instructor twice a week for 50 minutes. During class your instructor will review the objective topics with which you are having the most difficulty or introduce topics you are ready to learn.
- **Tests**: There will be five tests throughout the course which together are worth 50% of the total grade, and a comprehensive final exam worth 20%. **There will be no make-up tests.** The grade on the comprehensive final will replace your lowest test grade. **Tests can be taken at any time before the due date, and must be taken in the JavALab, or under the supervision of your instructor in the classroom, if your instructor allows.**
- **Quizzes** consist of six practice tests that are available from the beginning of the course. They may be taken an unlimited amount of times before the due date and the program will record the best score. The lowest quiz score will be dropped at the end of the semester. Quizzes are worth 10% of the final grade.
- **ALL WORK, INCLUDING TESTS AND THE FINAL EXAM, MAY BE DONE AHEAD OF THE DUE DATES. WE STRONGLY ENCOURAGE THIS STRATEGY.**

## COURSE GRADING:

Quizzes	6 (lowest will be dropped)	20 points each	100 points
Objectives	10	20 points each	200 points
Tests	5	100 points each	500 points
Comprehensive Final Exam	1	200 points	200 points
Total			1000 points
Attendance		Extra credit	50 points

900-1000 pts = A (90-100%); 800-890 =B (80-89%); 700-790 (70-79%) =C; 600-690 (60-69%) =D; <600 (60%) = F

**COURSE SCHEDULE AND DUE DATES:**

Week of	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
August 24-30 WEEK 1	24	25	26	27	28	29	30
Aug 31-Sept 6 WEEK 2	31 Obj 1 Due 1314	1 LABOR DAY HOLIDAY	2	3	4	5	6
Sept 7-13 WEEK 3	7 Obj 2 Due 1314	8 Exam 1 Obj 1 & 2 1314	9 Exam 1 Obj 1 & 2 1314	10	11	12	13
Sept 14-20 WEEK 4	14	15	16 Obj 3 Due 1314	17	18	19	20
Sept 21-27 WEEK 5	21	22	23 Obj 4 Due 1314	24 Exam 2 Obj 3 & 4 1314	25 Exam 2 Obj 3 & 4 1314	26	27
Sept 28-Oct 4 WEEK 6	28	29	30	1	2	3 Obj 5 Due 1314	4
October 5-11 WEEK 7	5	6	7	8	9	10 Obj 6 Due 1314	11
October 12-18 WEEK 8	12	13 Exam 3 Obj 5 & 6 1314	14 Exam 3 Obj 5 & 6 1314	15	16	17	18
October 19-25 WEEK 9	19	20	21 Obj 7 Due 1314	22	23	24	25
Oct 26-Nov 1 WEEK 10	26	27	28 Obj 8 Due 1314	29 Exam 4 Obj 7 & 8 1314	30 Exam 4 Obj 7 & 8 1314 "Q"-Deadline	31	1
Nov 2-8 WEEK 11	2	3	4	5	6	7	8
Nov 9-15 WEEK 12	9	10	11 Obj 9 Due 1314	12	13	14	15
Nov 16-22 WEEK 13	13	17	18	19	20	21	22
Nov 23-29 WEEK 14	23 Obj 10 Due 0302 & 1314	24 Exam 5 Obj 9 & 10 1314	25 Exam 5 Obj 9 & 10 1314	26	27 THANKSGIVING HOLIDAY	28 THANKSGIVING HOLIDAY	29
Nov 30- Dec 6 WEEK 15	30	1	2	3 Last Class	4 Dead Day	5 Finals begin	6
Dec 7-13	7	8	9	10	11	12	13

					Finals end		
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### STRATEGIES FOR SUCCESS

For most students, success in an ALEKS course requires spending 4-5 hours each week working in the program. For other students, it will require more time. It is **essential** that you begin work immediately and commit the necessary time each week. Begin by working on the objectives in your “pie.” Once you complete at least 70-75% of the objective topics, begin working the quizzes as many times as necessary to achieve at least 80-90% mastery. You may review your answers after each attempt to see your errors. This will prepare you for the test over the objective. You may find yourself moving rapidly through the beginning topics, **but as you progress, you will find the material increasingly difficult and you will need to spend more time. You are not expected to learn on your own; if you need help, ask for it—from your instructor, from the faculty and tutors in the lab, or from the Pathways Academic Assistance Center located on the 2<sup>nd</sup> floor of the library. See the center for days and times and operation.**

### FINISHING EARLY IN ALEKS

Students enrolled in MATH 1314 who complete to the “A” level before the end of the semester will be given the option of taking the Prep for Calculus ALEKS assessment that might allow them to bypass certain further pre-requisite courses for calculus. If calculus is the first course required for your degree, or if you want further information, email Mr. Ramiro Torres, ALEKS Coordinator.

### TEST POLICIES

Tests will be during your regularly scheduled class time on the date indicated in the course outline above. Time in the lab when taking scheduled tests is **NOT** counted toward lab hours, so you will not sign in to the lab. Time for taking tests in the lab **BEFORE** the scheduled date **WILL** count toward lab hours. Lab hours for early testing: TBA

#### Test procedures:

- Password will be provided by your instructor
- Fill out the top portion of the scratch paper provided, and use the scratch paper to record your work. This will provide further documentation that you took the test and will give your instructor information about what you know.
- Use only the scratch paper provided. All notes and personal items must be put on the floor out of your sight.
- **Only the calculator provided by the ALEKS program is allowed.**
- **Absolutely no personal electronic devices are allowed during tests.**

When you have finished your test, raise your hand, and your instructor will collect your scratch paper.

### ACADEMIC DISHONESTY (CHEATING)

The following is considered academic dishonesty (cheating) during tests and is strictly prohibited. **A student found in violation will earn an F for the course:**

- Using a calculator other than that provided by ALEKS
- Using notes
- Accessing websites other than ALEKS
- Using a cell phone
- Any situation where students are potentially accessing help to answer questions

### CALCULATORS

The ALEKS program provides a calculator for problems that require one. No other calculators will be allowed. Use of prohibited calculators during tests will be considered academic dishonesty and cause for disciplinary action, as outlined above.

### ATTENDANCE POLICIES

- **Class Attendance:** Each student is **required** to attend and actively participate in two 50-minute class meetings each week.
- **Lab Attendance:** All students are required to spend at least three (3) hours per week working in the Lab to satisfy attendance requirements. Students may complete learning objectives outside the Lab but time spent working outside the Lab will not count toward lab attendance.
- **If a student has the equivalent of 6 or more unexcused missed attendance hours, either class or lab, instructors may initiate drop procedures and the student may be dropped from the course**

Students earn one attendance credit for each day of class attendance and three attendance credits for attending lab the minimum three hours each week. Attendance credits translate to **extra points** at the end of the semester:

For sections meeting two days a week:

63-70 total credits = 50 extra points

56-62 = 40

49-55 = 30

42-48 = 20

35-41 = 10

<35 = 0

**IF YOU DECIDE TO DROP THIS CLASS:** If you drop on or before October 30, you earn an automatic "Q." Per university policy, students are no longer permitted to drop a course after the automatic drop date. Instructors will not be able to drop students after October 30. For more information, visit: <http://www.tamuk.edu/registrar/Changes/Students.html>

You are expected to attend a lab at your high school to work on completing your ALEKS assignments. See your instructor for your responsibilities regarding your requirements in the lab. Adhere to the following lab guidelines.

The Lab is a mathematics classroom, in which all activity is directed toward working in the ALEKS program. To ensure the best learning environment, we expect students to observe the following behaviors. Any violation of these expected behaviors could result in dismissal from the lab.

1. **Be quiet** while working in the lab.
2. **Come prepared** with your own notebook or scratch paper and a pen or pencil. Scratch paper will be provided only for tests.
3. **Refrain from:**
  - (a) Using cell phones, iphones, blackberries, ipods, mp3 players, or any personal electronic devices. All cell phones and personal electronic devices should be turned off and put away in a pocket, bag, or purse. Earphones are strictly prohibited unless used for watching videos on ALEKS
  - (b) Having food, drink, (including water) tobacco products, or companions.
  - (c) Talking, visiting websites other than ALEKS, playing computer games, typing a paper, sleeping, or any activity other than working in the ALEKS program.
4. Attendance can only be recorded if you are working on ALEKS and completing objectives. Simply logging into ALEKS to fulfill your time requirement will not be sufficient. Students presenting false IDs will be charged with academic misconduct and reported to the Dean of Students. Penalties up to and including a semester's suspension may be imposed
5. **Know your course and section from the first day of the semester.** As you enter you will be asked your course and section. Attendance can only be recorded correctly with this information.
6. **Display a valid ID** at all times while working in the lab.

The use of a computer in the lab is on a first-come, first-served basis.

**SOFTWARE INSTALLATION:** ALEKS software can be installed on the student's personal computer. Internet access and the appropriate plug-ins are required in order to use the ALEKS website.

**Students with disabilities:**

Students with disabilities, including learning disabilities, who wish to request accommodations in this class, should notify the Disability Resource Center (DRC) early in the semester so that appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide documentation of his/her disability to the DRC assistant coordinator. **Your instructor, as well as the Lab coordinator** will need copies of the letter from DRC. For more information, visit the DRC website: <http://www.tamuk.edu/sass/lifeservices/index.html>, or call (361) 593-3024.

**Academic misconduct, Nonacademic misconduct, and Sexual misconduct:** See appropriate pages under "Student Code of Conduct" in the Student Handbook: <http://osa.tamuk.edu/studenthandbook>