

# **NORTH LAKE COLLEGE**

**5001 N. MacArthur Blvd.**

**Irving, Texas 75038-3899**

**DALLAS COUNTY COMMUNITY COLLEGE DISTRICT**

## **COURSE SYLLABUS COLLEGE ALGEBRA ~ MATH 1314 LECTURE 1<sup>st</sup> 8 weeks Spring 2019**

### **MATH/SCIENCE DIVISION OFFICE**

Location: P330

Telephone: 972-273-3500

#### **Division Office Hours**

Monday - Thursday: 8:00 am - 6:00 pm

Friday: 8:00 am - 4:30 pm

**This course syllabus is intended as a set of guidelines for College Algebra. Both North Lake College and your instructor reserve the right to make modifications in content, schedule, and requirements as necessary to promote the best education possible within the prevailing conditions affecting this course.**

### **Instructor Information**

**Instructor's Name:** Kearius Jackson

**Email Address:** [klj0002@dccc.edu](mailto:klj0002@dccc.edu)

**Office Phone Number:** 972-503-9369

**Office Location:** C338

**Office Hours:** by Appointment

**Course Information Course title:** College Algebra

**Course number:** MATH 1314

**Section number:** 73250

**Credit hours:** Three (3)

**Class meeting time:** Saturday 8:30 AM-11:40 AM

**District Course description:** This course is an in-depth study and applications of polynomial, rational, radical, exponential, logarithmic, absolute-values and piecewise-defined functions, and systems of equations using matrices. Also covered are the graphing calculator, non-linear inequalities, sequences and series, circles, the Binomial Theorem and a review of the classification of the real number systems.

**ACGM description:** In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

**Course prerequisites:** DMAT-0093 or DMAT-0310 (Intermediate Algebra) or equivalent with an A, B, or C, or an appropriate score on a mathematics placement test.

## **Required Textbook and Materials**

### 1. College Algebra MLP Package for North Lake College Package includes:

- Access to **MyLabsPlus** and
- College Algebra Text, 5<sup>th</sup> ed, by Beecher & Penna (3-holed paper copy)
- Video Notebook pages

- Note: **MyLabsPlus** access code is **NOT** the same as the MyMathLab access code.

The MyLabsPlus is accessed with the MyMathLab – *Plus* access code.

- Student ID number and email address listed in eConnect will be uploaded into the MyLabsPlus software to provide the student access to the course materials. You can modify your email address and password once you have logged into the software the first time. If you have questions or concerns contact the math division office at [7mathofc@dcccd.edu](mailto:7mathofc@dcccd.edu)

### 2. Calculators

You will be allowed to use calculators on all tests and during class. Graphing calculators (such as the TI-83 or TI-84 Plus) are recommended. **Calculators such as the TI 89 & TI 92, which perform algebraic operations, are not allowed.** You may check out a TI-84 calculator for the midterm and final which are taken in class at North Lake College.

## **Technical Support for eCampus and MyLabsPlus**

MyLabsPlus support website: <https://support.pearson.com/getsupport/s/>

- A link to this site is available in your course on eCampus.
- Technical support number for eCampus: 972-669-6402
- Technical support number for MyLabsPlus: 1-888-883-1299

## **Course Objectives**

To develop a further understanding of the process of learning mathematics, the factors which can interfere with learning, and to continue to build the algebraic skills necessary for future courses or for utilization in a career or other endeavor.

The objective of the mathematics component of the core curriculum is to develop a quantitatively literate college graduate. Every college graduate should be able to apply basic mathematical tools in the solution of real-world problems.

## **Course Outline**

Please see the eCampus classroom for a detailed course calendar.

## Computing Your Grade-- Evaluation Procedures of Course

The course learning outcomes will be assessed through Class Participation, Homework, Daily work (includes mastery tests, quizzes and other activities), Tests and Final Exams. The final grade will be based on the following:

<i>Item</i>	<i>Percent of grade</i>
Attendance	5%
Homework in MLP	10%
Other Daily Work	5%
Written Chapter exams (tests)	60%
Final Exam	20%

### Grading Scale

Your course grade will be determined by the final grade average based on the following:

A = 90 – 100    B = 80 – 89    C = 70 – 79    D = 60 – 69    F = Below 60

### Attendance

All students are expected to attend all classes at the scheduled time. Absences are generally detrimental to one's performance in a course. You are expected to attend regularly to increase your chances for a successful semester. **Attendance will count as 5% of the final course grade.**

The attendance grade will be determined by absences using the following table:

<b>Absences</b>	<b>No. of Absences</b>	<b>Grade</b>	<b>Grade Score</b>
<b>Absences</b>	0 - 2	<b>Grade</b>	100
<b>Absences</b>	3	<b>Grade</b>	95
<b>Absences</b>	4	<b>Grade</b>	90
<b>Absences</b>	5	<b>Grade</b>	85
<b>Absences</b>	6	<b>Grade</b>	80
<b>Absences</b>	7	<b>Grade</b>	75
<b>Absences</b>	8	<b>Grade</b>	70
<b>Absences</b>	9	<b>Grade</b>	65
<b>Absences</b>	10	<b>Grade</b>	60
<b>Absences</b>	11	<b>Grade</b>	55
<b>Absences</b>	12	<b>Grade</b>	50
<b>Absences</b>	13	<b>Grade</b>	45
<b>Absences</b>	14	<b>Grade</b>	40
<b>Absences</b>	15	<b>Grade</b>	35
<b>Absences</b>	16	<b>Grade</b>	30
<b>Absences</b>	17	<b>Grade</b>	25
<b>Absences</b>	18	<b>Grade</b>	20
<b>Absences</b>	19	<b>Grade</b>	15
<b>Absences</b>	20	<b>Grade</b>	10
<b>Absences</b>	21	<b>Grade</b>	5
<b>Absences</b>	22 or more	<b>Grade</b>	0

Students will be able to earn back attendance credit by attending the **Math Center (MC)**. Attending the Math Center for 1.5 hours will make up one absence.

## **Homework**

What happens in the classroom is only a part of the course. You have to put time in outside of class--homework. Your degree of success in the course will depend on how much effort you are able to give to work outside of class. That will depend on the time you are willing to give and the other activities that require your time--work, other courses, family, etc.

Read the section to be covered and try some of the problems BEFORE you come to class. Research has found that to be successful in a course (A, B, or C) students have to spend 2 hours out of class for every hour in class. Do the math! Do you have that much time?

MyLabsPlus for homework assignments is required. **Homework will count as 10% of the final course grade.**

## **Homework must be completed before the chapter test is taken.**

Students should maintain a HW notebook.

- Label each section and each problem, copy the problem, work the problem, and circle the answer or, if using MLP, enter your answer in MyLabsPlus.
- Show your steps to communicate what you did.
- You may be asked to present your written HW at any time throughout the semester.
- **LATE ASSIGNMENTS WILL NOT BE ACCEPTED.**

## **Testing**

All written tests will be based on homework problems that are assigned throughout the semester. The written tests will test your understanding of the course concepts that are covered throughout the semester and through various forms of questioning and application problems. This means the exams are not identical to problems you have worked but designed to test your understanding of the concepts presented.

**Written tests will count as 60% of the final course grade.**

### **Specifics regarding written tests:**

- All written tests will be taken in the testing center.
- You must show all your work to receive full-credit.
- A correct answer with no work shown may result in no credit.
- The instructor reserves the right to make test schedule changes. All tests will be announced at least one week in advance.
- **No one will be allowed under any circumstances to take more than 2 tests of any kind during the week *before* final exams.**
- **No testing is allowed in the testing center during finals week.** (Reserved for on-line courses and placement testing.)

## **Final Exam**

The final exam is comprehensive. The exam will be taken **in the classroom at the time specified** in the Official Final Exam Schedule. **The final exam will count as 20% of the final course grade. Your final exam grade can replace your lowest test score (test 1, test 2, test 3, or test 4). The final will not replace a grade of a zero, resulting from not taking an exam.**

## Certification

To be certified as attending, a student must complete the following before **Tuesday, January 29, 2019:**

- Syllabus Quiz posted in the **Syllabus & Calendar** link in eCampus (required score of 100%)
- Completion of Assignments in MyLabsPlus: Minimum of 70% on the following assignments:
  - Section 1.1 HW
  - Section 1.2 HW

## Discipline/ Course/ Department/Policies

### Absences

Absences are generally detrimental to one's performance in a course. You are expected to attend regularly in order that you may increase your chances for a successful semester in mathematics. **Remember attendance is 5% of your course grade.**

### Tardies

- Don't be late to class.
- It is rude to the instructor and other students.
- It causes you to miss part of the classwork.
- Everyone will be late on occasions--even the instructor. Do not make a habit of it.
- If you anticipate an ongoing problem, please discuss it with the instructor.
- Quizzes may be given periodically during the first 5 minutes of class. The quizzes are a part of your daily work grade. Arriving after the quiz has been distributed will result in a zero for that daily quiz. Some quizzes may be dropped.

### Classroom Behavior

Distractive talking or any disorderly conduct is prohibited. Please be courteous of others. A warning will be given for behavior an instructor considers disruptive and if the warning is not heeded, the student will be asked to leave. See Student Code of Conduct for more details.

### Cell Phone Use

The use of cell phones or other similar devices is prohibited during class time. You are expected to turn OFF all such devices BEFORE entering the classroom. No headphones or AirPods. You may be asked to leave class if your cell phone causes you or others to be distracted in class; i.e. contact calls or texting.

### Math Center

The Math Learning Center (C211) provides generalized instructional services for students enrolled in North Lake MATH and DMAT courses. Students must show a North Lake College I.D. These include:

- Tutoring in all math courses taught at North Lake College;
- Online tutoring now available during select times
- Computers for use by students enrolled in courses that have an Internet component such as homework systems (i.e., MyLabsPlus, ConnectMath, ALEKS
- Graphing calculators and textbooks that are available for use in center;
- Graph Stamps so students can make their own graph paper; and
- A quiet area to study (C-207)
- Opportunity for students to make up class absences
- Whiteboards and table space for study groups

- Content workshops covering how to use graphing calculators, course topics, review sessions, and study skills

Contact the Math Center Manager or Coordinator in C-211 for questions regarding the services offered.

Hours of Operation (Fall/Spring)

Monday – Thursday: 8 a.m. – 8 p.m.

Friday & Saturday: 10 a.m. – 2 p.m.

Center Phone: 972-273-3381

Center Email: [nlcmathcenter@gmail.com](mailto:nlcmathcenter@gmail.com)

Manager: Ashley Cobb, C-211 B

Coordinator: Camrunn Beck, C-207 B

### **Testing in the Testing Center**

- If you take a chapter test in the Testing Center, Room A425, on or before the regularly scheduled test dates.
- To test you will need to have the following information:
  1. Instructor's name
  2. Subject, course number, and section number (ex: Math 1314-73456)
  3. Exam number (1st, 2nd, 3rd, etc.)
  4. Exam deadline (Get this information from your instructor. The testing staff cannot look up this information on computers).
- You should also bring the following supplies:
  1. Pencil
  2. Money for coin-return lockers (quarter). Please do not share lockers.
  3. Government or school issued photo identification is required & enforced.
  4. Only battery operated 4 function, non-programmable scientific or TI83/TI84 calculators are allowed (if permitted by instructor). The memory on your calculator will be cleared.

### **Testing Center Hours (A 425)**

- The Testing Center normal hours are Mon – Thurs: 8:30 a.m. to 8 p.m. and Fri and Sat: 8:30 a.m. to 3:30 p.m. Important: hours and days may vary due to holidays or other events, please verify the Testing Center will be open before you arrive.
- Questions? Please visit the Testing Center (A 425) or call 972-273-3160.

### **Testing Center Policies (additional)**

- No personal items in the Testing Center. This includes bags, cell phones, and pagers.
- Please show courteous and cooperative behavior while using the services provided by the Testing Center.
- NO children in the Testing Center. No exceptions. The police department will be notified of any unattended children.
- DO NOT take any testing materials with you when you leave the Testing Center. This includes the test, answers, charts, scratch paper. These items will be attached to your test. **(To do so constitutes Academic Dishonesty.)**

## **Institutional Policies**

Institutional Policies relating to this course can be accessed from the following link:  
[www.northlakecollege.edu/syllabipolicies](http://www.northlakecollege.edu/syllabipolicies)

## **Drop Policy**

If you are unable to complete this course, you must officially withdraw by **Monday, March 4, 2019**.  
Withdrawing is a formal procedure which you must initiate; **your instructor cannot do it for you.**

**STOP BEFORE YOU DROP: It is in your interest to talk to your instructor or an advisor before dropping.**

## **Counseling Services (A311)**

Counseling services for personal issues are provided to all students currently enrolled at North Lake College. These services are provided by licensed professionals who are bound by confidentiality (within ethical parameters) at no charge. With the assistance of a counselor, students are able to identify, understand, resolve issues and develop appropriate skills. To make an appointment call 972-273-3333 or visit A311.

## **The Academic Skills Center (A332)**

The Academic Skills Center (ASC) is designed to provide assistance to students in the following areas:

- Labs for students enrolled in foreign language, Developmental Reading, and ESOL courses. One-on-one tutoring is available.
- The Writing Center can help students clarify writing tasks, understand instructors' requirements, develop and organize papers, explore revision options, detect grammar and punctuation errors, and properly use and document sources. Rather than merely editing or "fixing" papers, tutors focus on helping students develop and improve their writing skills.
- The Online Writing Lab (OWL) allows students to submit papers to our writing tutors electronically and get feedback within 24-72 hours. The OWL can be accessed through eCampus. After logging on to eCampus, click on the Community Tab at the top. Type "Owl" in the search field and click "Go." Next, click on the double drop-down arrows *next to* "NLC-OWL2," and then click on "Enroll." Once enrolled, students can receive services from the OWL.

For more information or to schedule a tutoring appointment, come by A-332 or call 972-273-3089.

## **Service Learning**

*Service Learning (SL) is a program in which you will learn and develop through thoughtfully organized service experiences by participating in meeting real community needs. The program combines academic instruction along with active community service that utilizes both critical and reflective thinking skills that assist you in examining your civic responsibilities in the world in which you live.*

# **Appendix I**

## **ACGM Learning Outcomes**

Upon successful completion of this course, students will:

1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.
2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomials and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

## **Means of Assessment of Course Learning Outcomes**

Course Learning Outcomes will be assessed by a variety of means.

1. A written exam or Mastery test in MyLabsPlus will be given to assess each Learning Outcome.
2. Homework will be assigned and assessed using the software component.
3. Observation of students as they interact in groups and discussions will be used to assess all outcomes.
4. Students will complete projects and learning activities that will address specific course learning outcomes.



## Appendix II

### Student Guidelines for Written Assignments

Writing mathematics is a lot like writing a composition paper. There is an introduction (the problem), body (work/steps), and a conclusion (the answer). Your work must flow in a clear, precise and logical order. You must use the proper notation and use the properties, theorems, and rules correctly.

Listed below are the expectations and guidelines for every assignment. Your grade will be based upon how well you follow these guidelines. The goal of these guidelines is to help you become a better thinker and presenter which will be beneficial for any career you choose.

#### Expectations for all written assignments:

1. If you use a spiral notebook and tear out the pages, you need to trim off the “shards” before turning in the assignment. Loose-leaf paper is preferred.
2. Your name, course number, and chapter and section from the text (if applicable) should be written in the upper right-hand corner of the first page. Each assignment should be stapled in the upper left-hand corner of the page.
3. Write the section and number of the problem or name of the assignment for each problem. Next include a summary of the problem and directions. Be sure to include all the given information in your summary and a picture of the problem if necessary.
4. If the problem requires you to introduce variables in order to solve it, clearly define the variables. Variables must represent **numerical** quantities (George's age), not objects (George). Be sure to include the units: feet, pounds, minutes, etc.
5. For word problems you will need to set up the equation(s) that model(s) the problem using the defined variables. State your final answer using a complete sentence and include the correct unit of measure (i.e. inches, feet, minutes, square feet, etc.).
6. Write the steps of the problem down the left-hand side of the paper with each step directly under the previous one. Show **every step**. Don't skip a step even if you may think it is easy. The steps should be clear and follow a logical order. If numeric computations are necessary, do them neatly on the right-hand side of the paper.
7. Every statement you write must be a true statement. Use the correct notation.
8. Check your answer to make sure it is reasonable/correct with respect to the problem.
9. Skip at least 1 line between each problem.

For detailed examples of required work, see “Guidelines for All Tests and Assignments” document posted in your eCampus classroom.