

Northeast Iowa Community College provides in-demand education and training focused on improving lives, driving business success and advancing community vitality.

## MAT 102 84101 Intermediate Algebra

#### Fall 2021 Delivery Method:

Online

#### Meet Days/Times/Location:

• Online; ONL

#### Start and End Dates:

• 8/24/2021 - 12/13/2021

Academic Department: Liberal Arts, Science and Business

## **Required Materials**

#### Web cam - Student must have one for their computer

To protect the integrity of exams, this class requires the use of a webcam in the testing environment. Certain tests are proctored through Honorlock, and the video and audio transcript of your test environment will be accessible to your instructor for review.

#### Student is required to choose one of the two options below

Intermediate Algebra, Loose-Leaf Edition Plus MyLab Math with Pearson eText -- 18 Week Access Card Package ISBN: 9780135993842

Intermediate Algebra + MyLab Math with eText - (18 Week Instant Access) ISBN: 9780135988657

## **Course Information**

**Course Description:** Reviews real numbers and polynomials. Studies first-degree equations in two variables, rational expressions, exponents and radicals, quadratic equations, graphing functions and relations, conic sections, systems of equations, inequalities, exponential and logarithmic functions and sequences and series.

#### Major Course Objective:

Students will be able to think critically to solve algebraic problems in the real world.

#### Primary Common Learning Outcome Assessed: Critical Thinking

#### **Educational Learning Outcomes:**

- Perform Operations on Real Numbers
- Solve First-Degree Equations in One Variable
- Graph Points, Functions, and Relations
- Solve Systems of Linear Equations and Inequalities
- Perform Operations on Polynomials
- Perform Operations on Rational Expressions
- Perform Operations on Radical Expressions
- Solve Quadratic Equations
- Graph Quadratic Equations

Prerequisite(s): A minimum grade of C-in MAT 063 or MAT 744 or qualifying placement score

# Grading Procedures and Scale

Grade

	<b>Points</b> Ex. (94 - 100%)	Ex. (940 - 1000+)
А	93 -100	
A-	90 - 92	
B+	87 - 89	
В	83 - 86	
B-	80 - 82	
C+	77 - 79	
С	73 - 76	
C- (or P)	70 - 72	
D+	67 - 69	
D	63 - 66	
D-	60 - 62	
F (or NP)	0 - 59	

	# of Assignments	Points / Percentage
Discussion	3 discussions	10 points each
Chapter homework	56 homeworks	10 points each
Quizzes	3 quizzes	25, 15 and 15 points each
Test	7 exams (100pts each) + 1 Final exam (200pts) drop lowest chapter exam	800
Total Points possible		1445

All exams will be using the Honorlock software and a web cam will be needed to take each exam.

You will be expected to take the exams without any help from people, any book or any electronic device. You will need to show your work and upload photo of work in the assignments folder when done.

You will be tested over the following eight chapters in your text. There will be seven chapter exams and a comprehensive final exam. Each exam might have 1 or 2 review problems from previous

sections. Homework is also assigned on the same chapters. There will be three review quizzes over chapter 3, chapter 5 and a review quiz

Chapter R Review of Basic Algebra Chapter 1 Solving Linear Equations and Inequalities Chapter 2 Graphs, Functions, and Applications Chapter 3 Systems of Equations skip 3.6 Chapter 4 Polynomials and Polynomial Functions Chapter 5 Rational Expressions, Equations, and Functions skip 5.4 Chapter 6 Radical Expressions, Equations, and Functions Chapter 7 Quadratic Equations and Functions (do only section 7.1 & 7.2, skip sections 7.3 thru 7.8) Chapter 6 exam will be a combined exam with sections 7.1 and 7.2

Final exam online (200 points). Comprehensive

## Course Calendar

The course calendar is a guide for activities and subject to change at faculty discretion.

Due Date	Assignment/Exams/Etc	Point Value	Course Unit Objective(ELO's)	Program Learning Outcome	Common Learning Outcome
9/2/2021	Chapter R homework	10pts each	Review number operations	Students will demonstrate competence in problem- solving, logical thinking, and the application of	Think Critically

				mathematical processes	
9/2/2021	Chapter R exam	100		Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
9/2/2021	Intro Message Board due	10pts each		Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
9/2/2021	2nd Message Board due	10pts each		Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
9/13/2021	Chapter 1 homework	10pts each	Solving linear equations and inequalities	Students will demonstrate competence in problem- solving,	Think Critically

				logical thinking, and the application of mathematical processes	
9/13/2021	Chapter 1 exam	100		Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
9/24/2021	Chapter 2 homework	10pts each	Graphs, functions and applications	Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
9/24/2021	Chapter 2 exam	100		Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
10/12/2021	Chapter 3 homework	25ntc	Systems of	Students will	Think

	and Review Quiz (3.2, 3.3, 3.4)		equations	demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Critically
10/13/2021	Chapter 3 exam	100		Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
11/3/2021	Chapter 4 homework	10pts each	Polynomials and polynomial functions	Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
11/3/2021	Chapter 4 exam	100		Students will demonstrate competence in problem- solving, logical thinking, and the	Think Critically

				application of mathematical processes	
11/20/2021	Chapter 5 homework and Review Quiz (5.1, 5.2, 5.5, 5.6 section C)	15pts	Rational expressions, equations and functions	Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
11/20/2021	Chapter 5 exam	100		Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
				Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
12/10/2021	Final Message Board	10pts		Students will demonstrate competence in problem-	Think Critically

				solving, logical thinking, and the application of mathematical processes	
12/13/2021	Chapter 6 & 7 homework	10pts each	Radical expressions, and quadratic equations	Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
12/13/2021	Chapter 6 & 7 exam and Summative Review Quiz (10points for quiz, 2.4, 3.2, 4.4, 4.5, 5.1 section A, 7.2)	100 and 15 pts for quiz		Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically
12/15/2021	Final Exam	200		Students will demonstrate competence in problem- solving, logical thinking, and the application of mathematical processes	Think Critically

# Student Course Feedback

Prior to course completion you will receive an email providing a link to share your feedback. You are EXPECTED to complete the feedback form for each class.

## Assessment

Northeast Iowa Community College is an institution dedicated to continuous instructional improvement as part of our assessment efforts. It is necessary for us to collect and analyze course level data. Data drawn from student work for the purposes of institutional assessment will be posted in aggregate and will not identify individual students. Your continued support in our ongoing effort to provide quality instructional services at NICC is appreciated.

# **College Policies**

# Attendance/Academic Engagement

(See College Handbook for more details) Regular attendance is expected. A strong relationship exists between success in college and class attendance. Absence in class interferes with the learning process and may lead to academic failure. Students should confer with the instructor immediately following an absence. When there is advance knowledge of an absence, students should discuss this with the instructor prior to the absence.

If you find that you have any trouble keeping up with assignments or other aspects of the course, make sure you let your instructor know as early as possible. As you will find, building rapport and effective relationships are key to becoming an effective professional. Make sure that you are proactive in informing your instructor when difficulties arise during the semester so that we can help you find a solution.

## Academic Integrity

Academic integrity is the commitment to and demonstration of honesty, ethics, and taking personal responsibility for your work in an academic setting. Academic integrity includes honesty, fairness, respect and responsibility. Academic integrity requires student's work to be the product of their own thought and effort, and to ensure that the intellectual contribution of others is properly documented. Academic integrity applies to all academic activities, including, but not limited to, classwork, labs, clinical field, practicum or co-op assignments. Examples of violations of academic integrity include, but are not limited to, plagiarism, cheating, lying, falsifying data, and aiding dishonesty. Violations of academic integrity are addressed according to the <u>Academic Integrity Policy</u>, and sanctions may

include, but not be limited to, warnings (either verbal or written), grade reduction for an assignment, project or test, or a failing grade for the course. Sanctions for violations of academic integrity for a course shall be determined by the faculty member for the course. Pursuant to the Student Conduct Code, egregious or repeated violations of the academic integrity policy may result in the suspension or expulsion from a class or from the College, as determined by the College.

## Class Continuation during Campus or Center Closing

Instructional continuity is critical to the College mission and to your success in this class. As such, should a campus or center close due to weather or unforeseen circumstances, please check your Brightspace class for specific instructions and expectations from your instructor due to the campus closure.

Classes will not be canceled, and students will be expected to continue to engage in this class remotely until such a time as classes can return to normal.

For notification on campus closures, please refer to the following:

https://www.nicc.edu/about/consumer-information/emergency-response-and-procedure/

### **Campus Emergencies**

In the event of a campus emergency, an alarm will sound or an appropriate announcement will be made. An emergency response guide, building evacuation routes and severe weather shelter areas are posted in each room. Safety drills are held on a regular basis. For more information, visit campus emergencies in the college catalog.

## **Course Section Policies**

### Absence/Illness

here

### Academic Integrity Violations

Add your course section specific academic integrity violations here

Late Work

here

### **Missing Assignments**

here

Makeup Testing

here

### Use of Technology

Cell Phone/Text Messaging Usage

here

Laptop Use

here

Recording

here

# **Classroom Conduct**

As a student in this course (and at this College) you are expected to maintain a high degree of professionalism, commitment to active learning and participation in this class; and also integrity in your behavior in and out of the classroom in which the rights, dignity, worth, and freedom of all members of the class are respected. Please refer to the <u>College Catalog</u> for detailed information on the <u>Student Conduct Code</u>.

# Additional Information

## Learning Center

The NICC Learning Centers provide tutoring assistance free of charge to any student in person Monday through Friday or virtually online with our online tutoring service 24/7 with <u>Upswing</u>. Students are encouraged to utilize the Learning Centers in Calmar, Peosta or Dubuque.

Access

Take advantage of the *ReadSpeaker Listen Button* to enhance understanding and comprehension of the materials in this and any syllabus within the content area. All of the materials posted in the content area of NICC Brightspace classrooms have a *Listen Button* to have the text highlighted and read for you. Listening to text read aloud is shown to improve reading comprehension. www.nicc.edu/readspeaker



# Course Copyright

All course materials students receive or to which students have online access are protected by copyright laws. Students may use course materials and make copies for their own use as needed, but unauthorized distribution and/or uploading of materials without the instructor's express written permission is strictly prohibited. Students who engage in the unauthorized distribution of copyrighted materials may be held in violation of the College's Code of Conduct, and/or liable under Federal and State laws.

### Netiquette

The term "Netiquette" refers to the etiquette guidelines for electronic communications, such as e-mail and bulletin board postings. Netiquette covers not only rules to maintain civility in discussions, but also special guidelines unique to the electronic nature of forum messages.

## Accommodation Policy

In accordance with the Americans with Disability Act, NICC ensures the accessibility of its programs, classes, and services to students with disabilities. For any questions or to apply for disability services please contact the Accessibility Services Office to set up an appointment, or visit the Accessibility Services website at: <u>https://www.nicc.edu/academic-support/disability-services/accommodations/</u> for additional information. Any student eligible for and needing academic accommodations because of a disability is requested to speak with their instructor.

Sally Mallam, M.S. Director of Accessibility Services 844.642.2338 ext. 1258 <u>mallams@nicc.edu</u>

## Statement of Non-Discrimination

It is the policy of Northeast Iowa Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family or marital status in its programs, activities, or employment practices as required by federal and state civil rights regulations. If you have questions, concerns or to read the full policy at: <u>https://www.nicc.edu/aboutnicc/nondiscriminationpolicy/</u>.

### Title IX: Confidentiality and Responsible Employee Statement

Northeast Iowa Community College faculty are committed to helping create a safe and open learning environment for all students. If you (or someone you know) have experienced any form of sexual misconduct, including sexual assault, dating or domestic violence, or stalking, know that help and support are available. The College strongly encourages all members of the community to take action, seek support and report incidents of sexual misconduct to the Title IX Office. Please be aware that under Title IX of the Education Amendments of 1972, I am required to disclose information about such misconduct to the Title IX Office.

If you wish to speak to a confidential employee who does not have this reporting responsibility, you can contact one of NICC's Counselors (Calmar Campus 844.642.2338, ext. 1378 / Peosta Campus 844.642.2338, ext. 2215). For more information about reporting options and resources visit <u>Sexual</u> <u>Respect and Title IX</u>.

### Disclaimer

This syllabus, along with course assignments and due dates, are subject to change. It is the student's responsibility to check the Learning Management System (Currently Brightspace) for corrections or updates to the syllabus. Any changes will be clearly noted by your instructor or listed in the course announcements or through NICC email.