Rutgers State University of New Jersey, Newark Campus
Department of Mathematics and Computer Science
Winter 2024

Course: Intermediate Algebra – Section (21:640:105:W1) – ALEKS-Hybrid

Class Meeting:

Days**:** 12/22/2023 Friday, Smith Hall 242
01/02/2024 Tuesday, Hill Hall 124
01/03/2024 Wednesday, Hill Hall 124
01/04/2024 Thursday, Hill Hall 124
01/05/2024 Friday, Smith Hall 242
01/08/2024 Monday, Hill Hall 124
01/09/2024 Tuesday, Hill Hall 124
01/10/2024 Wednesday, Hill Hall 124
01/11/2024 Thursday, Hill Hall 124
01/12/2024 Friday, Smith Hall 242
Times: 1:00 pm – 5:30 pm

Instructor:

name: Daxay Patel
email: daxay@rutgers.edu
office: Smith Hall 203

Office Hours: 5:30 pm – 6:00 pm M. T, W, Th

Aleks class code:

Canvas: Canvas, https://canvas.rutgers.edu/, will be used to make announcements, send emails, and post grades, and other course material.

Course Description: This course is intended to give students the necessary numerical and algebraic skills to allow for success in subsequent courses requiring a solid foundation in quantitative reasoning. The topics contained in this course include whole numbers, fractions, decimals, proportions, percents, variable expressions, equations (linear and quadratic) and applications, systems of linear equations, polynomial operations and factoring, and graphing simple equations

Grading: **A:** 90-100, **B**+: 85-89, **B**: 80-84, **C**+: 75-79, **C**: 70-74, **D**: 60-69, **F**: 0-59

Quizzes	**15%**
ALEKS	**15%**
Midterm Exam 1	**20%**
Midterm Exam 2	**20%**
Final Exam	**30%***

***Requirements For Passing the Course:** Students must pass the final exam with a score of 70% or better in order to pass the course with a minimum C grade, **passing the final exam (70% or better) does NOT guarantee that a student will pass the course**. For students achieving 70% or better on their final exam, the course grade is determined by the percentage breakdown (e.g. for quizzes, exams, and so forth) indicated on the course syllabus.
In other words, there are two conditions students must satisfy to pass this course.

a. Must score 70% or higher on the final exam.
b. Must have a final course average (after taking the final exam) of 70% or higher.

Instructor's Make-up Policy:
Make-up quizzes will not be allowed under any circumstances, as one lowest quiz score will be dropped.
Make-up exams will only be administered under serious conditions and require supporting documentation (e.g. a doctor's note). Missed exam must be taken within a week of the original administered date to receive credit.
Missed Final Exams can be made up only for emergency situations and require the submission of proper documentation.
Make-up exams resulting from excused absences can only be taken after the original exam date, this includes the Final Exam.

Attendance and Class Participation: All students are expected to attend class consistently for the duration of the class period, as indicted above. Please be on time for each class meeting.

Calculators Policy: NO Calculators! This course involves computation and the development of related skills. Calculators are never allowed. Problems can be done with pencil/pen and paper. Sufficient work for computations must be shown. Credit will be deducted for insufficient work.

Electronics: The use of personal electronics (calculators, cell phones, laptops, etc.) is prohibited on quizzes and exams. The use of calculators is strongly discouraged on homework. Students are asked to silence their cell phones before the beginning of class to minimize disruption during lectures.

Religious Holiday Policy and Accommodations: Students are advised to provide timely notification to instructors about necessary absences for religious observances and are responsible for making up the work or exams according to an agreed-upon schedule. The Division of Student Affairs is available to verify absences for religious observance, as needed: (973) 353-5063 or DeanofStudents@newark.rutgers.edu.

Cheating: As an academic community dedicated to the creation, dissemination, and application of knowledge, Rutgers University is committed to fostering an intellectual and ethical environment based on the principles of academic integrity. Academic integrity is essential to the success of the University's educational and research missions, and violations of academic integrity constitute serious offenses against the entire academic community. The entire Academic Integrity Policy can be found here: http://academicintegrity.rutgers.edu/academic-integrity-policy/

Important Dates:

Classes begin	12/22/2023 Friday.
Midterm Exam 1	01/04/2024 Thursday.
Midterm Exam 2	01/10/2024 Wednesday.
Final Exam	01/12/2024 Friday.
Classes end	01/12/2024 Friday.

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https://sasn.rutgers.edu/math

First Day Inclusive Access Program: To enhance your learning experience and provide affordable access to the right course material, this course is part of an inclusive access model called First Day™. You can easily access the required materials for this course at a discounted price and benefit from single sign-on access with no codes required in Canvas.
Rutgers University will bill you at the discounted price as a course charge for this course. It is NOT recommended that you Opt-Out, as these materials are required to complete the course. You can choose to Opt-Out on the first day of class, but you will be responsible for purchasing your course materials at the full retail price and access to your materials may be suspended.
For more information and FAQs go to Barnes & Noble Customer Care

COURSE MATERIAL: There is no textbook required for this section of the course. You will, however, be required to have an *18-week license* for the ALEKS, and online Adaptive Learning Software.

> **NOTE:** Your ALEKS access for this course is already available to you through your course fees. The required course materials are accessed directly through ALEKS and all materials are available the first day of class.

The following is a list of course material options for the course.

a. REQUIRED ALEKS 360 3-week license: The ALEKS 360 license will grant students access to an electronic copy of the textbook at no addition. Students may purchase the license
    i. directly through ALEKS for a discounted price
    or
    ii. through the Rutgers Newark Barnes & Noble Bookstore located at 42 Halsey Street, Newark.

b. OPTIONAL Course Material: Loose-leaf copy of the textbook. Students may purchase this option copy through the Rutgers Newark Barnes & Noble Bookstore located at 42 Halsey Street, Newark.

This Course Covers the Following Content: The content is divided into the following three parts.

PART 1: Topics from the following chapters will be covered.
- Chapter 1: Whole Numbers
- Chapter 2: Integers and Algebraic Expressions
- Chapter 3: Solving Equations (Exclude Section 3.5)
- Chapter 4: Fractions and Mixed Numbers
- Chapter 5: Decimals
- Chapter 6: Ratios and Proportions
- Chapter 7: Percents (Sections 7.1 and 7.3 only)
- Chapter 8: Measurement and Geometry (Exclude Sections 8.4 and 8.5)
- Chapter 9: Introduction to Statistics (Section 9.5 only)
- Chapter 10: Lines and Inequalities (Exclude Sections 10.4, 10,7, and 10.8)
- Chapter 13: Polynomials and Properties of Exponents (Section 13.1 and 13.6 only)
- Chapter 14: Factoring Polynomials (Section 14.1 only)
- Chapter 15: Rational Expressions and Equations (Exclude Sections 15.1 and 15.5)
- Chapter 18: Radicals and Complex Numbers (Section 18.1 only)

PART 2: Topics from the following chapters will be covered.
- Chapter 3: Solving Equations (Section 3.5 only)
- Chapter 4: Fractions and Mixed Numbers (Section 4.2 only)
- Chapter 5: Decimals (Section 5.4 only)
- Chapter 6: Ratios and Proportions (6.3 only)
- Chapter 7: Percents (Sections 7.2, 7.4, and 7.5 only)
- Chapter 10: Lines and Inequalities (Exclude Sections 10.2 and 10.7)
- Chapter 12: Systems of Linear Equations in two Variable (Sections 12.2 and 12.4 only)
- Chapter 13: Polynomials and Properties of Exponents
- Chapter 14: Factoring Polynomials (Exclude Section 14.6, 14.7, and 14.8)
- Chapter 15: Rational Expressions and Equations (Sections 15.1, 15.2, 15.6, and 15.7 only)
- Chapter 17: More Equations and Inequalities (Sections 17.3 and 17.4 only)

PART 3: Topics from the following chapters will be covered.

Chapter 11: Graphing Linear Equations in Two Variables (Excludes Section 11.6)
Chapter 12: Systems of Linear Equations in two Variable (Sections 12.1 and 12.3 only)
Chapter 14: Factoring Polynomials (Section 14.7, and 14.8 only)
Chapter 19: Quadratic Equations and Functions (Sections 19.1 and 19.2 only)

Disability Services: Rutgers University welcomes students with disabilities into all of the University's educational programs. Accommodations for reason of disability will not be provided without a current Letter of Accommodation (LOA) from the Office of Disability Services (ODS) at Rutgers-Newark. Students would then present their LOA privately to the instructor as early in the semester as possible. Accommodations are not retroactive and are effective only upon submission of the LOA to the instructor.
In order to receive an LOA, students must first register with the Office of Disability Services and complete their identified processes. If a student has already completed registration and been approved for accommodations, they must request their LOA.
For more information and to connect with ODS, go to:

Applying for Services: https://ods.rutgers.edu/students/applying-for-services
Letter of Accommodations (LOA): https://ods.rutgers.edu/my-accommodations/letter-of-accommodations
For more information or if you have a question: Suite 219, Paul Robeson Campus Center, 973.353.5375, ods@newark.rutgers.edu

Counseling Services: Counseling Center Room 101, Blumenthal Hall, (973) 353-5805 or http://counseling.newark.rutgers.edu/.

Students with Temporary Conditions/Injuries: Students experiencing a temporary condition or injury that is adversely affecting their ability to fully participate in their courses should submit a request for assistance at: https://temporaryconditions.rutgers.edu.

Students who are Pregnant: The Office of Title IX and ADA Compliance is available to assist students with any concerns or potential accommodations related to pregnancy: (973) 353-1906 or TitleIX@newark.rutgers.edu.

Gender or Sex-Based Discrimination or Harassment: Students experiencing any form of gender or sex-based discrimination or harassment, including sexual assault, sexual harassment, relationship violence, or stalking, should know that help and support are available.
To report an incident, contact the Office of Title IX and ADA Compliance: (973) 353-1906 or TitleIX@newark.rutgers.edu.
To submit an incident report: www.tinyurl.com/RUNReportingForm.

To speak with a staff member who is confidential and does NOT have a reporting responsibility, contact the Office for Violence Prevention and Victim Assistance: (973) 353-1918 or run.vpva@rutgers.edu.