



OWENS  
COMMUNITY COLLEGE

**Course Syllabus**  
**SEMESTER**

**School of Science, Technology, Engineering & Mathematics**

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|                                      |                                                |
|--------------------------------------|------------------------------------------------|
| <b>Course Name:</b>                  | <b>Precalculus</b>                             |
| <b>Course &amp; Section Number:</b>  | <b>MTH-175 - XXX (Ohio Transfer 36 TMM010)</b> |
| <b>Meeting Day(s) &amp; Time(s):</b> |                                                |
| <b>Credits:</b>                      | 5 Hours                                        |
| <b>Contact Hours:</b>                | 5 Hours                                        |
| <b>Instructor's Name:</b>            |                                                |
| <b>Office Hours &amp; Location:</b>  |                                                |
| <b>OCC Phone:</b>                    |                                                |
| <b>OCC Email:</b>                    |                                                |

**Catalog Description :**

This course is a prerequisite for Calculus I (MTH 180) and covers Real numbers, Complex numbers, graphs, polynomial functions, rational functions, exponential and logarithmic functions, circular and trigonometric functions, trigonometric identities and equations, Law of Sines and Law of Cosines, vectors, analytic geometry with conic sections, systems of equations and determinants. A graphing calculator is required.

**Prerequisites/Co-Requisites:** MTH 096 (Intermediate Algebra), or MTH-070 (college Algebra Pathway), or placement.

**Course Material:**

- 1) ***MyMathLab Access code*** for *Precalculus*, 7<sup>th</sup> Edition; Blitzer/Robert, Pearson.

**Course ID: NAME**

To purchase the access code, use one of the options below.

Note: **You need to purchase ONLY one option.**

See steps on pages below to purchase code from Pearson Website directly (Best option).

| Option | Item                                                 | Source                                                                                                                                                                                  | Cost        |
|--------|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1      | Access Code (Code + eBook)<br><b>18 weeks</b> access | Pearson Website<br><a href="http://www.mystatlab.com/">http://www.mystatlab.com/</a><br>Follow the steps on page 9                                                                      | <b>COST</b> |
| 2      | Access Code (Code + eBook)<br><b>18 weeks</b> access | Owens Bookstore<br><a href="https://www.owens.edu/bookstore/">https://www.owens.edu/bookstore/</a><br><b>After</b> you make the purchase from the Bookstore, follow the steps on page 9 | <b>COST</b> |

**\*\* Warning: Used books usually come without access code. If you purchase a used book, you still need to purchase the access code. Used access codes do not work also.**

- 2) **Computer and Internet access** is required. Assignments are done online at [www.mymathlab.com](http://www.mymathlab.com) . Use Firefox or Google Chrome to access the site.

**Customer Technical Support: 1-800-624-0023**

- 3) The TI-83/84 (or TI-83/84 PLUS) Graphics Calculator is required for this course.

### **Course Outcomes:**

The purpose of Precalculus is to strengthen the student's skills in algebra and trigonometry, to increase the speed of the student's problem-solving abilities, and to help the student patterns and structures which will enhance the student's chances of success in the Calculus sequence.

### **Student Learning Outcomes:**

The successful Pre-Calculus student should be able to:

1. Analyze functions. Routine analysis includes discussion of domain, range, zeros, general function behavior (increasing, decreasing, extrema, etc.), as well as periodic characteristics such as period, frequency, phase shift, and amplitude. In addition to performing rote processes, the student can articulate reasons for choosing a particular process, recognize function families and anticipate behavior, and explain the implementation of a process (e.g., why certain real numbers are excluded from the domain of a given function).
2. Convert between different representations of a function.
3. Perform operations with functions including addition, subtraction, multiplication, division, composition, and inversion; connect properties of constituent functions to properties of the resultant function; and resolve a function into a sum, difference, product, quotient, and/or composite of functions.
4. Analyze angles. Routine analysis of angle measurements, units, and arithmetic.
5. Analyze right triangles. Routine analysis of side lengths and angle measurements using trigonometric ratios/functions, as well as the Pythagorean Theorem.
6. Analyze general triangles. Routine analysis of side lengths and angle measurements using trigonometric ratios/functions, as well as other relationships.

7. Recognize function families as they appear in equations and inequalities and choose an appropriate solution methodology for a particular equation or inequality, as well as communicate reasons for that choice.
8. Use correct, consistent, and coherent notation throughout the solution process to a given equation or inequality.
9. Distinguish between exact and approximate solutions and which solution methodologies result in which kind of solutions.
10. Demonstrate an understanding of the algebraic, functional, and geometric views of equation solutions. Solutions to equations can simultaneously serve multiple purposes by representing numbers satisfying an equation, zeros of a function, and intersection points of two curves.
11. Solve for one variable in terms of another.
12. Solve systems of equations using substitution and/or elimination.
13. Cite domain restrictions resulting from solution decisions and situation restrictions and reflect these in solution set descriptions.
14. Purposefully create equivalences and indicate where they are valid.
15. Recognize opportunities to create equivalencies in order to simplify workflow.
16. Become fluent with conversions using traditional equivalency families.  
(e.g.,  $\sin^2 x + \cos^2 x = 1$ ;  $\tan^2 x + 1 = \sec^2 x$ ; sums/differences; products; double angle; Euler's Formula ( $e^{i\theta} = \cos\theta + i\sin\theta$ ))
17. Interpret the function correspondence and behavior of a given model in terms of the context of the model.
18. Create linear and periodic models from data and interpret slope as a rate of change.
19. Determine parameters of a model given the form of the model and data.
20. Determine a reasonable applied domain for the model, as well as articulate the limitations of the model.
21. Anticipate the output from a graphing utility and make adjustments, as needed, in order to efficiently use the technology to solve a problem.
22. Use technology to verify solutions to equations and inequalities obtained algebraically.
23. Use technology to obtain solutions to equations and inequalities which are difficult to obtain algebraically and know the difference between approximate and exact solutions.
24. Use technology and algebra in concert to locate and identify exact solutions.
25. Recognize when a result (theorem) is applicable and use the result to make sound logical conclusions and to provide counterexamples to conjectures.
26. Describe two-dimensional position using rectangular and polar coordinates, vectors, and parametric equations; demonstrate fluency between any two of these systems; and recognize when one representation would be useful over another in simplifying workflow.
27. Represent conic sections algebraically via equations of two variables and graphically by drawing curves.
28. Represent sequences verbally, graphically, and algebraically, including both the general term and recursively.
29. Write series in summation notation and represent as sequences of partial sums verbally, numerically, and graphically.
30. Identify and express the general term of arithmetic and geometric sequences and write the sum of arithmetic and geometric series.

| 31. Student Learning Outcomes                | Topic                                                                                                                                                                                                                                                                                                                |                                                            |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| 1,2,3,7,8,10,11,13,17,18,19,21               | <b>Chapter 1: Graphs and Graphing Utilities</b><br>Graphs and Graphing Utilities<br>Basics of Functions and Their Graphs<br>More on Functions and Their Graphs<br>Linear Functions and Slope<br>More on Slope<br>Transformations of Functions<br>Combinations of Functions; Composite Functions<br>Inverse Functions | Homework 1<br>Homework 2<br>Quiz 1<br>Test 1               |
| 1,2,3,7,8,9,10,13,15,17,20,21,22,23          | <b>Chapter 1: Graphs and Graphing Utilities</b><br>Inverse Functions<br>Distance and Midpoint Formulas; Circles<br>Modeling with Functions<br><b>Chapter 2: Polynomial and Rational Functions</b><br>Complex Numbers<br>Quadratic Functions<br>Polynomial Functions and Their Graphs                                 | Homework 1<br>Homework 2<br>Quiz 1<br>Test 1               |
| 1,2,3,7,8,10,13,17,21,22,24                  | <b>Chapter 2: Polynomial and Rational Functions</b><br>Dividing Polynomials; Remainder and Factor Theorems<br>Zeros of Polynomial Functions<br>Rational Functions and Their Graphs<br>Polynomial and Rational Inequalities                                                                                           | Homework 1<br>Homework 2<br>Homework 3<br>Quiz 1<br>Test 1 |
| 1,2,3,7,8,9,10,11,13,14,15,17,20,21,22,23,24 | <b>Chapter 3: Exponential and Logarithmic Functions</b><br>3.1 Exponential Functions<br>3.2 Logarithmic Functions<br>3.3 Properties of Logarithm<br>3.4 Exponential and Logarithmic Equations                                                                                                                        | Homework 3<br>Quiz 2<br>Test 2                             |
| 1,2,3,4,5,6,7,8,9,13,15,17,20,21             | <b>Chapter 4: Trigonometric Functions</b><br>4.1 Angles and Radian Measure<br>4.2 Trigonometric Functions: The Unit Circle<br>4.3 Right Triangle Trigonometry<br>4.4 Trigonometric Functions of Any Angle<br>4.5 Graphs of Sine and Cosine Functions<br>4.6 Graphs of Other Trigonometric Functions                  | Homework 3<br>Homework 4<br>Quiz 2<br>Test 2               |

|                                            |                                                                                                                                                                                             |                                              |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| 1,2,3,5,6,7,8,9,10,13,14,15,20,21,22,23,24 | <b>Chapter 4: Trigonometric Functions</b><br>4.7 Inverse Trigonometric Functions<br>4.8 Applications of Trigonometric Functions                                                             | Homework 3<br>Homework 4<br>Quiz 2<br>Test 2 |
| 2,3,6,7,13,14,15,16                        | <b>Chapter 5: Analytic Trigonometry</b><br>Verifying Trigonometric Identities<br>Sum and Difference Formulas<br>Double-Angle, Power-Reducing, and Half-Angle Formulas                       | Homework 5<br>Homework 6<br>Quiz 3<br>Test 3 |
| 3,4,6,7,9,13,14,15,16,25                   | <b>Chapter 5: Analytic Trigonometry</b><br>Product-to-Sum and Sum-to-Product Formulas<br>Trigonometric Equations<br><b>Chapter 6: Additional Topics in Trigonometry</b><br>The Law of Sines | Homework 5<br>Homework 6<br>Quiz 3<br>Test 3 |
| 4,7,9,13,14,15,25                          | <b>Chapter 6: Additional Topics in Trigonometry</b><br>The Law of Sines<br>The Law of Cosines<br>Complex Numbers in Polar Form; DeMoivre's Theorem                                          | Homework 5<br>Homework 6<br>Quiz 3<br>Test 3 |
| 9,10,12,20,22,24                           | <b>Chapter 7: Systems of Equations and Inequalities</b><br>Systems of Linear Equations in Two Variables<br>Systems of Linear Equations in Three Variables<br>Partial Fractions              | Homework 7<br>Final Exam                     |
| 9,10,12,21,22,23,24                        | <b>Chapter 7: Systems of Equations and Inequalities</b><br>Systems of Nonlinear Equations in Two Variables<br>Systems of Inequalities                                                       | Homework 7<br>Final Exam                     |
| 21,22,24                                   | <b>Chapter 8: Matrices and Determinants</b><br>Matrix Solutions to Linear Systems<br>Inconsistent and Dependent Systems and Their Applications<br>Matrix Operations and Their Applications  | Homework 7<br>Final Exam                     |
| 7,8,20,26,27                               | <b>Chapter 9: Conic Sections and Analytic Geometry</b><br>Parametric Equations<br>Conic Sections in Polar Coordinates                                                                       | Homework 7<br>Final Exam                     |
| 28,29,30                                   | <b>Chapter 10: Sequences, Induction, and Probability</b><br>Sequences and Summation Notation<br>Arithmetic Sequences<br>Thanksgiving Break                                                  | Homework 7<br>Final Exam                     |
| 28,29,30                                   | <b>Chapter 10: Sequences, Induction, and Probability</b><br>Geometric Sequences and Series<br>Review                                                                                        | Homework 7<br>Final Exam                     |

**Evaluation:**

Each student's grade will be based on 7 homework assignments, 3 quizzes, 3 tests, and a comprehensive final exam.

|                                      | POINTS EACH | TOTAL POINTS | WEIGHT ON BLACKBOARD % |
|--------------------------------------|-------------|--------------|------------------------|
| 7 Homework                           | 36          | 252          | 31.5                   |
| 3 Quizzes                            | 20          | 60           | 7.5                    |
| 3 Tests                              | 110         | 330          | 41.25                  |
| Comprehensive Final Exam (mandatory) |             | 165          | 19.75                  |
| <b>total</b>                         |             | <b>800</b>   | <b>100</b>             |

**Grading Scale:**

Grades will be calculated on the following scale:

|          |           |                  |
|----------|-----------|------------------|
| <b>A</b> | 90 – 100% | 720 – 800 points |
| <b>B</b> | 80 – 89%  | 640 – 719 points |
| <b>C</b> | 70 – 79%  | 560 – 639 points |
| <b>D</b> | 60 – 69%  | 480 – 559 points |
| <b>F</b> | 0 – 59%   | 000 – 479 points |

Test 1, Test 2, and Final Exam

YOU MUST submit your work for some specific questions (as indicated) pages via:

1. the DropBox Assignment in Blackboard.

Your DropBox Assignment for work submission will be due DATE at TIME

OR

2. “Show Work” in MyLabStatistics. In order to receive full credit for your work.

Correct answers with no supporting work will, at most, receive 50% of the points.

The work may be legibly handwritten with a dark pen, picture with a bright background or typed.

Answers must be numbered correctly.

Accepted file types include PDF, DOCX, and JPEG.

Note: All quizzes, tests, and final exam are subject to **Pearson Lockdown Browser**

**Make-Up Policy:**

There will be no make-up given for exam/tests for any reason unless the situation is discussed with the instructor ahead of time. All missed tests will earn a 0% score.

**The final exam is mandatory. Failure to take the final exam will result in one grade less than the grade earned.**

**Religious Accommodations:** A student seeking an accommodation for an absence permitted under Ohio's Testing Your Faith Act must provide the instructor with a **written email** notice with the specific dates for an absence and must do so not later than fourteen (14) days after the

first day of instruction. **Alternative accommodations are not retroactive, and no academic penalty will be imposed for an absence under the policy\***. The request for alternative accommodation will be kept confidential. Students with questions about a religious accommodation under Ohio's Testing your Faith Act may contact the College's Office of Academic Affairs: [provost@owens.edu](mailto:provost@owens.edu).

\*The policy may be found on the Owens website: [3358:11-2-63 Accommodation](#) for a Student Absence for the Observance of Religious Beliefs and Practices Policy

**Student Code of Conduct:** All students are expected to follow Owens Community College's Student Code of Conduct. If you are unfamiliar with the code, it can be found at [https://www.owens.edu/student\\_services/code\\_conduct.html](https://www.owens.edu/student_services/code_conduct.html)

**Disability Resource Center:** If you have a disability or acquire one, you may be entitled to receive reasonable accommodations intended to assure you an equal opportunity to participate in and benefit from the program. To receive more information or to register for accommodations, please contact the Disability Resource Center in College Hall 116 at 567-661-7007 or email [disability@owens.edu](mailto:disability@owens.edu).

**Anti-Discrimination and Harassment & Title IX/Sexual Misconduct:** All students, faculty, and staff are expected to follow Owens Community College's Antidiscrimination and Harassment Policy and the College's Title IX/Sexual Misconduct Procedures and Guidelines. The college strictly prohibits and will not tolerate harassment, discrimination, intimidation, or hostile/offensive working or learning environments. If you are unfamiliar with the Anti-Discrimination and Harassment Policy, it can be found at: <https://www.owens.edu/trustees/procedures/proc3358-11-4-17.pdf> If you are unfamiliar with the Title IX/Sexual Misconduct Procedures and Guidelines, it can be found at: <https://www.owens.edu/trustees/procedures/proc3358-11-4-17-titleIX.pdf>

**Classroom Admittance:** Owens Community College (OCC) classes (traditional, land-based, laboratory, hybrid, asynchronous online, synchronous online, etc.) shall only be attended by officially registered OCC students, instructor of record, guest lecturer or substitute instructor. Visitors are not permitted in the classroom and should not attend or participate in an online class session. See FERPA information at <http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html>

**Inclement Weather Policy:** In the event that the College closes due to inclement weather, all on-campus, hybrid, and synchronous mathematics classes will be cancelled. Asynchronous classes will not be affected. If the decision is made to close the College, a public announcement will be communicated via local television, social media, and Owens Alert. Students will not receive individual class cancellation notices. If the College is open, all on-campus, hybrid, and synchronous classes will meet as regularly scheduled. For additional information about the communication of closings or to learn about Owens Alert, visit <https://www.owens.edu/news/weather.html>

### **Support Services/Math Tutoring:**

Toledo Campus: College Hall 173 (Enter Library CH170 and turn right)

Findlay Campus: Education Center Room 149

Both centers offer Walk-in/Face-to-Face, or Online by appointment.

To schedule an appointment or view walk-in hours, please go to

<https://www.owens.edu/tutoring/>

**Miscellaneous Information:** Owens Community College does not automatically withdraw students who stop attending class, and instructors are not permitted to withdraw students on their behalf. If you need to stop attending a class, **it is your responsibility** to drop the class online or visit the Student Financial Office and complete the required paperwork to officially drop the course by the “Last Day to Drop” deadline. Please note that students who stop attending but do not complete the official drop process will receive a grade of **F**, and their last date of attendance will be reported to the Financial Aid Office.

**HW assignments** are not timed and can be accessed for unlimited number of times during the window specified on the syllabus.

**The tests** are proctored and timed and must be completed in one sitting.

### **Technical Help:**

Please **DO NOT** contact **Owens Help Desk** or **your professor** with technical trouble related to MyStatLab. Please contact **Pearson Technical Support: 1-800-624-0023**

### **How to Purchase/Activate your Access Code for The Frist Time:**

Step 1) Go to <https://registration.mypearson.com/#account>

Step 2) Under “**Get Started**”, click on “**Student Access**”

Step 3) Under Get registered, answer the question “**Are you using an LMS**” by selecting  
“**No-See below**”

Step 4) Click on I’m ready to register,

Step 5) Under Find your course, Enter the Course ID NAME, then click “**Continue to Register**”

Step 6) Now you will see two options,

- a) **Sign In**. If you have an account already (used Pearson before), enter your username and password. Then click **Sign In**
- b) **Create an account**. If you don’t have an account, press **Create an account**.
  - i. Enter your **Owens e-mail ONLY** (No Gmail, Yahoo, ATT, etc.)
  - ii. Create a username and password.
  - iii. Fill in your first and last name (**exactly as shown on your Owens records**).
  - iv. Select a country. Select United States if not selected by default.
  - v. Select your role, **Student**.
  - vi. Select your study level “**College student-undergraduate**”.
  - vii. Fill **Month and year of birth** only.
  - viii. Select **I agree to the terms of use**.
  - ix. Uncheck the box next to “Keep me informed...”
  - x. Click **Create Account**.

Step 7) Click on **Get started**.

Step 8) Under “**Select an option.**”

- If you have an access code (Purchased code from Bookstore), click “**Access Code**”, enter code, then press “**finish**”
- To purchase the code online with a credit card, press the **Preferred** price of **COST (good for TIME)** and follow instructions.
- If you do not have immediate funds to purchase the code or if you are waiting for financial aid and can't pay immediately, you can use the “**Temporary Access**”

**Note:** Once you use the temporary 14-day access option for a course, you can't use the option a

### **How to Access the Course Throughout the Semester (After Registration):**

**Step 1:** Go to [www.mymathlab.com](http://www.mymathlab.com).

**Step 2:** Under *Sign In*, click **Sign In**.

**Step 3:** Enter the username and password you created during registration.

- If you forget your login information, click **Forgot your username or password?** An email will be sent with the details you need. Be sure to check the **same email address** you used when registering.

**Step 4:** Click on the course name and number displayed in blue to enter the course.

| HMWK | TOPIC                                                 | CHAP.SEC |
|------|-------------------------------------------------------|----------|
| 1    | Graphs and Graphing Utilities                         | 1.1      |
|      | Basics of Functions and Their Graphs                  | 1.2      |
|      | More on Functions and Their Graphs                    | 1.3      |
|      | Linear Functions and Slope                            | 1.4      |
|      | More on Slope                                         | 1.5      |
|      | Transformations of Functions                          | 1.6      |
|      | Combinations of Functions; Composite Functions        | 1.7      |
| 2    | Inverse Functions                                     | 1.8      |
|      | Distance and Midpoint Formulas; Circles               | 1.9      |
|      | Modeling with Functions                               | 1.10     |
|      | Complex Numbers                                       | 2.1      |
|      | Quadratic Functions                                   | 2.2      |
|      | Polynomial Functions and Their Graphs                 | 2.3      |
|      | Dividing Polynomials; Remainder and Factor Theorems   | 2.4      |
| 3    | Zeros of Polynomial Functions                         | 2.5      |
|      | Rational Functions and Their Graphs                   | 2.6      |
|      | Polynomial and Rational Inequalities                  | 2.7      |
|      | Exponential Functions                                 | 3.1      |
|      | Logarithmic Functions                                 | 3.2      |
| 4    | Properties of Logarithm                               | 3.3      |
|      | Exponential and Logarithmic Equations                 | 3.4      |
|      | Angles and Radian Measure                             | 4.1      |
|      | Trigonometric Functions: The Unit Circle              | 4.2      |
|      | Right Triangle Trigonometry                           | 4.3      |
|      | Trigonometric Functions of Any Angle                  | 4.4      |
|      | Graphs of Sine and Cosine Functions                   | 4.5      |
|      | Graphs of Other Trigonometric Functions               | 4.6      |
|      | Inverse Trigonometric Functions                       | 4.7      |
|      | Applications of Trigonometric Functions               | 4.8      |
|      | Verifying Trigonometric Identities                    | 5.1      |
|      | Sum and Difference Formulas                           | 5.2      |
|      | Double-Angle, Power-Reducing, and Half-Angle Formulas | 5.3      |

|   |                                                           |      |
|---|-----------------------------------------------------------|------|
| 5 | Product-to-Sum and Sum-to-Product Formulas                | 5.4  |
|   | Trigonometric Equations                                   | 5.5  |
|   | The Law of Sines                                          | 6.1  |
|   | The Law of Cosines                                        | 6.2  |
|   | Complex Numbers in Polar Form; DeMoivre's Theorem         | 6.5  |
| 6 | Systems of Linear Equations in Two Variables              | 7.1  |
|   | Systems of Linear Equations in Three Variables            | 7.2  |
|   | Partial Fractions                                         | 7.3  |
|   | Systems of Nonlinear Equations in Two Variables           | 7.4  |
|   | Systems of Inequalities                                   | 7.5  |
|   | Matrix Solutions to Linear Systems                        | 8.1  |
|   | Inconsistent and Dependent Systems and Their Applications | 8.2  |
| 7 | Matrix Operations and Their Applications                  | 8.3  |
|   | Parametric Equations                                      | 9.5  |
|   | Conic Sections in Polar Coordinates                       | 9.6  |
|   | Sequences and Summation Notation                          | 10.1 |
|   | Arithmetic Sequences                                      | 10.2 |
|   | Geometric Sequences and Series                            | 10.3 |

**TENTATIVE CALENDAR**  
**HOMEWORK/QUIZZES/TESTS/FINAL EXAM**

| Week                                                                                             | Instructions                                                                                                | HOMEWORK                                        |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 1<br>2                                                                                           | Chap 1: Read and study sections 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7                                           | <b>Homework 1</b><br><b>Due by DATE at TIME</b> |
| <b>Quiz 1</b><br><b>Due DATE at TIME. You have NUMBER attempts (Best score) Study Homework 1</b> |                                                                                                             |                                                 |
| 3<br>4                                                                                           | Chap 1: Read and study sections: 1.8, 1.9, 1.10<br>Chap 2: Read and study sections: 2.1, 2.2, 2.3, 2.4, 2.5 | <b>Homework 2</b><br><b>DATE at TIME</b>        |
| <b>TEST 1</b><br><b>Due DATE at TIME. Study Homework 1, 2 and quiz 1</b>                         |                                                                                                             |                                                 |
| 5<br>6                                                                                           | Chap 2: Read and study sections: 2.6, 2.7<br>Chap 3: Read and study sections: 3.1, 3.2, 3.3, 3.4            | <b>Homework 3</b><br><b>DATE at TIME</b>        |
| <b>Quiz 2</b><br><b>Due DATE at TIME. You have NUMBER attempts (Best score) Study Homework 3</b> |                                                                                                             |                                                 |
| 7<br>8                                                                                           | Chap 4: Read and study sections: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8                                     | <b>Homework 4</b><br><b>DATE at TIME</b>        |
| <b>TEST 2</b><br><b>Due DATE at TIME. Study Homework 3, 4 and quiz 2</b>                         |                                                                                                             |                                                 |
| 9<br>10                                                                                          | Chap 5: Read and study sections: 5.1, 5.2, 5.3, 5.4, 5.5<br>Chap 6: Read and study sections: 6.1, 6.2, 6.5  | <b>Homework 5</b><br><b>DATE at TIME</b>        |
| <b>Quiz 3</b><br><b>Due DATE at TIME. You have NUMBER attempts (Best score) Study Homework 5</b> |                                                                                                             |                                                 |

|                                                                                                                   |                                                                                                             |                                          |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 11<br>12                                                                                                          | Chap 7: Read and study sections: 7.1, 7.2,<br>7.3, 7.4, 7.5<br>Chap 8: Read and study section: 8.1,8.2, 8.3 | <b>Homework 6</b><br><b>DATE at TIME</b> |
| <b>TEST 3</b><br><b>Due Sun Nov 23, 2025, by 11:00 pm. (120 minutes) Study Homework 5, Homework 6, and Quiz 3</b> |                                                                                                             |                                          |
| 13<br>14                                                                                                          | Chap 9: Read and study sections: 9.5, 9.6<br>Chap 10: Read and study sections: 10.1, 10.2,<br>10.3          | <b>Homework 7</b><br><b>DATE at TIME</b> |
| 15<br>16                                                                                                          | <b>COMPREHENSIVE FINAL EXAM</b><br><b>Due DATE at TIME</b>                                                  |                                          |

**Disclaimer:** I “the instructor” reserve the right to amend this syllabus as deemed necessary. I will communicate such amendment to you “the student” in the course as needed in a timely manner.