1. **Course Prefix and Number:** MAT 150-04
2. **Course Title:** Precalculus I (WEB) and **MyMathLab Course ID Number:** [masked]
3. **Credits:** 3:3
4. **Course Prerequisites/Corequisites:** None
5. **For Whom Planned:** This course is the first of a two-semester Precalculus sequence. Students must earn a C or better in this course to satisfy the prerequisites for MAT 151 (Precalculus II).
6. **Instructor Information:**
   Dr. Tracey H. Howell  
   Email: thhowell@uncg.edu  
   Tel: 336-334-5836 (main office)  
   Office: 127 Petty Building  
   Office Hours: 9:00am-11:00am Tuesday (Petty 127)  
   10:50am-11:50am Thursday (Graham 313)  
   Email policy: You may contact me at any time via email. I plan to answer each of your messages within 48 hours (Monday-Friday). Please realize that this might not always be possible, due to the number of students in my classes.
7. **Bulletin Description:** Review of elementary algebra, equations, inequalities, relations, functions, transformations, graphing, complex numbers, and polynomial and rational functions.
8. **Department of Mathematics & Statistics Mission Statement:** The mission of the Department of Mathematics and Statistics at the University of North Carolina at Greensboro is to provide intellectual leadership in the mathematical sciences that is of direct benefit to the State of North Carolina and that commands national and international respect for the quality of its educational programs and for its depth of scholarship. To achieve this mission, the Department has identified goals directed at achieving excellence in all three of the University's major functions - teaching, research and service. In particular, we are committed to offering well-rounded academic programs, which will provide our graduates with competitive job skills, to contribute to the advance of knowledge and techniques in Mathematics and Statistics through an active research program and to advance our role in providing high quality training in mathematics teacher education to supply the anticipated need for well-prepared, competent elementary and secondary school mathematics teachers.
9. **Student Learning Outcomes:** MAT 150 provides students an opportunity to appreciate certain concepts in fundamental mathematics, especially functions and graphs with a variety of applications. The emphasis is on abstract reasoning, not routine manipulations. MAT 150 satisfies the mathematics (GMT) requirement of the General Education Program. It is open to and appropriate for all undergraduate students, regardless of major.
   The General Education learning goals attached to the GMT marker are
   - **LG1:** Foundational Skills: Think critically, communicate effectively, and develop fundamental skills in quantitative and information literacies.
   - **LG2:** The Physical and Natural World: Understand fundamental principles of mathematics and statistics, and recognize their relevance in the world.
   At the successful completion of this course, the student will be able to
   - **SLO1** Reason in mathematical systems beyond data manipulation. (LG1, LG2)
• SLO2  Formulate and use mathematical models to solve real-world problems. (LG1, LG2)
• SLO3  Communicate mathematical solutions clearly and effectively. (LG1)

Course Objectives:
• Identify functions and their domains, describe their properties, and draw their graphs
• Give examples of piecewise functions
• Compute values of functions, solve algebraic equations and inequalities
• Combine different methods to find real and complex roots of polynomials
• Support and justify statements with mathematical arguments

10. Teaching Methods and Assignments for Achieving Learning Outcomes:
Abstract reasoning (SLO1) and clear, effective communication (SLO3) are a part of every lesson and assignment in this course. The student, through regular and frequent attention to the lessons and assignments, will make progress on each of these learning objectives. The formulation and use of mathematical models (SLO2) are integrated in the application of the fundamental techniques covered in the course. Assignments are designed to reinforce these mathematics learning objectives. The student will demonstrate achievement of learning objectives through satisfactory completion of assignments and tests.

Description of WEB course format: WEB courses are completely on-line instruction. These courses are well-suited for independent learners that want more flexibility in their schedule. The online nature of the class allows you the flexibility to study and submit assignments whenever you will be most successful and productive. All online assignments have due dates set to insure that you will cover all of the necessary material by each test date. There are three PROCTORED tests given during the semester. WEB students will take the final exam during the common final exam time for mathematics courses. More details regarding the proctored tests and final exam are given below.

Homework assignments: Homework can be accessed in MyMathLab by clicking on the Assignments & Videos button. Homework assignments do not have a time limit and do not have to be finished in one sitting. While working on these homework assignments, you will have unlimited attempts and will have access to all of the help options that MyMathLab provides. For instance, you can follow the steps in “Help Me Solve This”, watch a video, or e-mail me for help. Note that if you choose to use the “Ask My Instructor” button, you will need to tell me all steps that you have attempted to solve the problem so that I can best assist you. You can also rework problems that you miss. These homework assignments are due by midnight on their due date. You have to have a score of 70% or above on a given section’s homework assignment to access the quiz for that section.

Quizzes: Quizzes can be accessed in MyMathLab by clicking on the Assignments & Videos button. Quizzes have a 60 minute time limit and must be finished in one sitting. Each quiz may be attempted 2 times and only the highest score will be used to calculate your overall grade. While working on these assignments, you will NOT have access to the help options. Quizzes are due by midnight on their due date. You have to have a score of 70% or above on a given section’s homework assignment to access the quiz for that section.

Proctored tests: The three tests given in this class must be proctored. For each test, you will need to bring your ID, #2 pencils, and your scientific calculator. Note that you will not be allowed to use a graphing calculator, any other calculator capable of symbolic manipulation, or the calculator on your cell phone. The dates for our tests are listed on the Schedule of Assignments (below). If you must miss a test, you should contact me BEFORE the date of the test in order to schedule a makeup test. You must have a valid excuse and written evidence of it to be allowed to take a makeup test.
I will give the tests on campus on the following dates:

Test 1: Wednesday, September 21 from 5-5:50pm (location TBA)
Test 2: Wednesday, October 26 from 5-5:50pm (location TBA)
Test 3: Wednesday, November 30 from 5-5:50pm (location TBA)

If you are unable to take the test(s) at the scheduled times, you must do one of the following at least one week before the scheduled test:

1. Schedule to take the test(s) at another location through the UNC Online Proctoring Service. You may schedule a proctored exam at [https://online.northcarolina.edu/exams/overview.htm](https://online.northcarolina.edu/exams/overview.htm) Please note that some proctoring locations charge a fee.

2. Contact me to arrange to take the test at an alternate time with another MAT 150 class.

**Final exam:** The final exam in this course is scheduled on campus for Wednesday, December 7, 2016 from 8am – 11am. The location will be announced later in the semester. For the exam, you will need to bring your ID, #2 pencils, and your scientific calculator. Note that you will not be allowed to use a graphing calculator, any other calculator capable of symbolic manipulation, or the calculator on your cell phone.

If you are unable to take the exam at the scheduled time, you must arrange to take the exam at another location through the UNC Online Proctoring Service. You may schedule the proctored exam at [https://online.northcarolina.edu/exams/overview.htm](https://online.northcarolina.edu/exams/overview.htm) Please note that some proctoring locations charge a fee. Because only mathematics classes test during the first exam time, there should be no course conflicts with the exam and I will not be providing alternate times for you to take it.

11. **Evaluation Methods and Guidelines for Assignments:** The primary student products are the tests and final exam. Due to the nature of the course, each test will address all of the SLOs. Specifically, SLO1 will be present in most of the questions. Several questions on each test will be designed to address SLO2 and SLO3. Since the final exam is cumulative, all of the SLOs will be addressed there. The student will demonstrate achievement of learning objectives through satisfactory completion of graded assignments and tests. The questions on graded assignments and tests are designed to evaluate each of the three learning objectives, and in this way the grade reflects the attainment of the objectives.

The final course grade will be determined by online homework assignments and quizzes, in-class tests, and in-class comprehensive final exam. The weights of these evaluations on the final grade are as follows:

- MyMathLab Homework – 10%
- MyMathLab Quizzes – 15%
- Three In-Class Tests – 45% (Each test – 15%)
- Comprehensive Final Exam – 30%

See **Attendance Policy** below for additional information.

**Grade Scale:**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A+</td>
<td>97-100</td>
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<tr>
<td>A</td>
<td>93-96</td>
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<tr>
<td>A-</td>
<td>90-92</td>
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<tr>
<td>B+</td>
<td>87-89</td>
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<tr>
<td>B</td>
<td>83-86</td>
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<tr>
<td>B-</td>
<td>80-82</td>
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<tr>
<td>C+</td>
<td>77-79</td>
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<tr>
<td>C</td>
<td>73-76</td>
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<td>C-</td>
<td>70-72</td>
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<tr>
<td>D+</td>
<td>67-69</td>
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<tr>
<td>D</td>
<td>63-66</td>
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<tr>
<td>D-</td>
<td>60-62</td>
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<tr>
<td>F</td>
<td>59 or less</td>
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</tbody>
</table>
12. Required Materials:
   - **Access to MyMathLab.com** is required for this class. You can purchase the access code through the college bookstore, or through the publisher at [http://www.mymathlab.com/](http://www.mymathlab.com/) Anyone not registered in MyMathLab by 12noon on the first Friday of the semester may be dropped from the course. *(Note that the website allows students to register on a temporary basis for up to 14 days.)*
   - A scientific calculator, such as TI-30XIIS, is suggested for the tests in this course. If you prefer to use another type of calculator, make certain that it has an exponent key and a square root key. GRAPHING CALCULATORS (AS WELL AS ANY TYPE OF CALCULATOR CAPABLE OF SYMBOLIC COMPUTATION) WILL NOT BE PERMITTED DURING TESTS AND THE FINAL EXAM. Also note that the calculators on cell phones will not be permitted during tests and the final exam.
   - **OPTIONAL TEXTBOOK:** Sullivan, *Precalculus*, 10th edition, Prentice Hall, 2016. There is an online version of the text available through MyMathLab that is exactly the same as the hardcover version.

13. Topical Outline/ Schedule of Assignment: This information is provided at the end of this syllabus.

14. Other Information:
   **Office of Accessibility Resources:** You are responsible for contacting OARS in 215 EUC (334-5440, [http://ods.uncg.edu](http://ods.uncg.edu)) and for filling out the necessary forms if you wish to have special accommodations. Without these forms the services provided by OARS will not be available to you. OARS cannot schedule or reschedule tests without consent from the instructor.

   **Academic Integrity Policy:** Each student is required to adhere to the Academic Integrity Policy on all work submitted for the course. You are expected to abide by the UNCG Academic Integrity Policy at all times and any cases of academic dishonesty will not be tolerated. Each student is required to sign the Academic Integrity Policy on all major work submitted for the course.

   I have abided by the UNCG Academic Integrity Policy on this assignment.  
   Signature ___________________________ Date ____________

   More information can be found at [http://sa.uncg.edu/handbook/academic-integrity-policy/](http://sa.uncg.edu/handbook/academic-integrity-policy/).

   **Attendance Policy:** Attendance for an internet-based course is defined as contact between the student and instructor. “Contact” may be any of the following: timely and regular submission of assignments, periodic testing, email communication, telephone messaging, and/or face-to-face meetings. On or before the last date to withdraw from a class, the instructor may drop any student who has missed more than 5 of the scheduled assignments or does not have at least a 60 average.

   **Extensions:** All of your online homework assignments and quizzes are available to you from the date that classes start. Computers are unpredictable. Therefore, you need to complete the assignments well BEFORE the due date. If you decide to work on the day an assignment is due, you are taking a risk. Work ahead of the deadlines and this will not be a problem. Extensions will be granted at the discretion of the instructor and only in the event of extreme circumstances. Please note that computer issues on the evening an assignment is due do not meet this criteria!

   **MyMathLab Support:** The MyMathLab Technical Support number is 1-800-677-6337. Also you can reach MyMathLab Tech Support 24/7 from the recently launched MyMathLab support site: [https://support.pearson.com/getsupport](https://support.pearson.com/getsupport)

   **“UNCG Cares” Statement:** UNCG cares about your success as a student. We recognize students often balance many challenging personal issues and demands. Please take advantage of the University resources designed to help. For assistance accessing these resources contact the Dean of Students Office at 334-5514.
or Student Academic Services at 334-5730. The Counseling and Testing Center is available for mental health assistance, 334-5874.

**Copyright Policy:** Selling or purchasing notes from classes for commercial gain is a violation of the UNCG Copyright Policy. Any student who sells notes taken in class for commercial gain, or who purchases notes taken by another student for commercial gain is in violation of this policy and, by extension, is committing a violation of the Student Code of Conduct. [http://sa.uncg.edu/handbook/student-code-of-conduct/](http://sa.uncg.edu/handbook/student-code-of-conduct/)

**Inclement Weather:** If the university is closed, class will be cancelled. In case you are unsure, check your e-mail and Canvas or call the UNCG “inclement weather announcement” at 336-334-4400.

**Add/Drop Dates Affecting this Course:** [https://reg.uncg.edu/calendars/](https://reg.uncg.edu/calendars/)

**Additional Resources:**
Free Tutoring: The Department of Mathematics and Statistics provides free walk-in tutoring in the Curry 210. For the details, see [http://www.uncg.edu/math/mathhelpcenter](http://www.uncg.edu/math/mathhelpcenter)

Student Success Center: Find more academic support at the Student Success Center. [http://success.uncg.edu/](http://success.uncg.edu/)


**Schedule of Assignments:**

<table>
<thead>
<tr>
<th>Date</th>
<th>MAT 150 03 &amp; 04 Precalculus Online</th>
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<tbody>
<tr>
<td>Monday, August 22, 2016</td>
<td>First Day of Classes</td>
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<td>Tuesday, August 23, 2016</td>
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<td>Wednesday, August 24, 2016</td>
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<td>Thursday, August 25, 2016</td>
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<tr>
<td>Friday, August 26, 2016</td>
<td>HWK: MyMathLab</td>
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<tr>
<td>Saturday, August 27, 2016</td>
<td>Orientation</td>
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<td>Sunday, August 28, 2016</td>
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<tr>
<td>Monday, August 29, 2016</td>
<td>HWK: A.1, A.2, A.3</td>
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<tr>
<td>Tuesday, August 30, 2016</td>
<td>QUIZ: A.1, A.2, A.3</td>
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<td>Wednesday, August 31, 2016</td>
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<td>Thursday, September 01, 2016</td>
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<td>Friday, September 02, 2016</td>
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<td>Sunday, September 04, 2016</td>
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<td>Monday, September 05, 2016</td>
<td>Holiday</td>
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<td>Tuesday, September 06, 2016</td>
<td>HWK: A.4, A.5, A.6</td>
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<td>Wednesday, September 07, 2016</td>
<td>QUIZ: A.4, A.5, A.6</td>
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<td>Thursday, September 08, 2016</td>
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<td>Sunday, September 11, 2016</td>
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<td>Monday, September 12, 2016</td>
<td>HWK: A.7, A.9, A.10</td>
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<td>Tuesday, September 13, 2016</td>
<td>QUIZ: A.7, A.9, A.10</td>
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<td>Wednesday, September 14, 2016</td>
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<td>Thursday, September 15, 2016</td>
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Saturday, December 03, 2016  
Sunday, December 04, 2016  
Monday, December 05, 2016  
Tuesday, December 06, 2016  
Wednesday, December 07, 2016  
Thursday, December 08, 2016  
Friday, December 09, 2016  

**HWK:** 4.5, 4.6  
**QUIZ:** 4.5, 4.6

**HWK:** 5.1, 5.2  
**QUIZ:** 5.1, 5.2

**Thanksgiving Holiday**

**Test # 3**

**Test # 3**

**HWK:** Final Exam Practice  
**Reading Day**  
**Final Exam**