Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should **not** be used to purchase course materials.
COURSE SYLLABUS

MATH 100
FUNDAMENTALS OF MATHEMATICS

COURSE DESCRIPTION
A review of basic arithmetic and elementary algebra. A grade of C or better is required in order to go on to a higher-numbered mathematics course. This course may not be used in meeting General Education requirements in mathematics. (Developmental Math is a component of the Bruckner Learning Center.)

RATIONALE
Fundamentals of Mathematics is designed as a review of beginning algebra in order to prepare the non-mathematics major who either has a very weak background in Algebra I or who has never taken an algebra course.

I. PREREQUISITE
For information regarding prerequisites for this course, please refer to the Academic Course Catalog.

II. REQUIRED RESOURCE PURCHASE
Click on the following link to view the required resource(s) for the term in which you are registered: http://bookstore.mbsdirect.net/liberty.htm

III. ADDITIONAL MATERIALS FOR LEARNING
A. Computer with basic audio/video output equipment
B. Internet access (broadband recommended)
C. Microsoft Office

IV. MEASURABLE LEARNING OUTCOMES
Upon successful completion of this course, the student will be able to:
A. Apply definitions, postulates, and theorems related to number systems, solving equations and inequalities, exponents, polynomials, factoring, applications, rational expressions, graphing linear equations, and solving word problems.
B. Apply the appropriate mathematical skills for the concepts listed above.
C. Use mathematics to solve problems in the sciences, business, and various other fields of study.
D. Solve problems (including word problems) utilizing arithmetic concepts and algebraic equations.
V. COURSE REQUIREMENTS AND ASSIGNMENTS

A. Textbook readings and lecture presentations

B. Course Requirements Checklist
   After reading the Course Syllabus and Student Expectations, the student will complete the related checklist found in Module/Week 1.

C. Discussion Board Forums (3)
   Discussion boards are collaborative learning experiences. Therefore, the student will participate in 3 Discussion Board Forums throughout this course. The student is required to provide a thread in response to the provided prompt for each forum. Each thread must be 100 words. In addition to the thread, the student must also reply to 1 other classmate’s thread. Each reply must be 50 words.

D. Exercises (51)
   After viewing the video lessons and filling in the corresponding pages in the notebook for each lesson, the student will complete exercises using the MyLabsPlus software. These exercises correspond with the video lessons. The student must earn a score of 80% on these exercises before taking any quizzes that may be present in the same module/week.

E. Module Quizzes (12)
   Quizzes will be administered through the MyLabsPlus software. Each quiz has 10 questions and will be based on the reading and homework of the assigned module/week. There is no time limit for completion.

F. Tests (3)
   Using the MyLabsPlus software, the student will take 3 tests throughout the course. Tests are based on the reading and Exercises. For each test, the student must first take a Test Review or a practice test and earn a score of at least 70% on either the Test Review or practice test. The test will remain inaccessible until this minimum score is reached, and the instructor will provide a password to access the test at the appropriate time.

G. Final Exam
   The student will complete a comprehensive Final Exam in MyLabsPlus. A comprehensive Final Exam Review and practice final exam is provided to help prepare the student for the actual exam. The instructor will provide a password in order for the student to access this exam.

VI. COURSE GRADING AND POLICIES

A. Points

   Course Requirement Checklist 10
Discussion Board Forums (3 at 10 pts ea) 30
Exercises (51 at 3 pts ea) 153
Quizzes (12 at 14 pts ea) 168
Tests (3 at 150 pts ea) 450
Final Exam 199

**Total** 1010

B. Scale
A = 900–1010   B = 800–899   C = 700–799   D = 600–699   F = 0–599

C. Late Assignment Policy
If the student is unable to complete an assignment on time, then he or she must contact the instructor immediately by email.
Assignments that are submitted after the due date without prior approval from the instructor will receive the following deductions:

1. Late assignments submitted within one week of the due date will receive a 10% deduction.
2. Assignments submitted more than one week late will receive a 20% deduction.
3. Assignments submitted two weeks late or after the final date of the course will not be accepted.
4. Late Discussion Board threads or replies will not be accepted.

Special circumstances (e.g. death in the family, personal health issues) will be reviewed by the instructor on a case-by-case basis.

D. Disability Assistance
Students with a documented disability may contact Liberty University Online’s Office of Disability Academic Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.
# COURSE SCHEDULE

## MATH 100


<table>
<thead>
<tr>
<th>MODULE/WEEK</th>
<th>READING &amp; STUDY</th>
<th>ASSIGNMENTS</th>
<th>POINTS</th>
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</thead>
</table>
| 1           | Squires & Wyrick: chs. 2.1–2.4, 2.6–2.7, 3.3 8 presentations | Course Requirements Checklist  
DB Forum 1  
MyLabsPlus Orientation  
Module 1 Exercises  
Module 1 Quiz | 10  
10  
0  
12  
14 |
| 2           | Squires & Wyrick: chs. 3.5–3.7, 5.1–5.6, 11.1–11.2, 11.4 12 presentations | Module 2 Exercises  
Module 2 Quiz | 15  
14 |
| 3           | Squires & Wyrick: chs. 12.1–12.2, 12.4–12.5, 13.1, 13.3–13.6 9 presentations 1 lecture note | DB Forum 2  
Module 3 Exercises  
Module 3 Quiz | 10  
12  
14 |
| 4           | Squires & Wyrick: chs. 11.3, 14.1–14.5, 15.1, 15.3–15.5, 16.1 12 presentations | Module 4 Exercises  
Module 4 Quiz | 15  
14 |
| 5           | Squires & Wyrick: Review 1 presentation 1 lecture note | DB Forum 3  
Test Review 1  
Test 1 | 10  
0  
150 |
| 6           | Squires & Wyrick: chs. 16.2–16.6 5 presentations | Module 6 Exercises  
Module 6 Quiz | 12  
14 |
| 7           | Squires & Wyrick: chs. 8.3, 33.2–33.4 5 presentations | Module 7 Exercises  
Module 7 Quiz | 15  
14 |
| 8           | Squires & Wyrick: chs. 6.1–6.7, 6.9 8 presentations | Module 8 Exercises  
Module 8 Quiz | 9  
14 |
| 9           | Squires & Wyrick: chs. 17.2–17.4, 18.1, 18.3, 18.5 8 presentations | Module 9 Exercises  
Module 9 Quiz | 12  
14 |
<table>
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<tr>
<th>MODULE/WEEK</th>
<th>READING &amp; STUDY</th>
<th>ASSIGNMENTS</th>
<th>POINTS</th>
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<tr>
<td>10</td>
<td>Squires &amp; Wyrick: Review 1 presentation</td>
<td>Test Review 2 Test 2</td>
<td>0 150</td>
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<tr>
<td>11</td>
<td>Squires &amp; Wyrick: chs. 21.1–21.5, 23.1–23.2 7 presentations</td>
<td>Module 11 Exercises Module 11 Quiz</td>
<td>18 14</td>
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<td>12</td>
<td>Squires &amp; Wyrick: chs. 22.3, 22.5, 23.4, 24.1–24.2 6 presentations</td>
<td>Module 12 Exercises Module 12 Quiz</td>
<td>12 14</td>
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<td>Squires &amp; Wyrick: chs. 24.3, 25.1–25.3 4 presentations</td>
<td>Module 13 Exercises Module 13 Quiz</td>
<td>12 14</td>
</tr>
<tr>
<td>14</td>
<td>Squires &amp; Wyrick: chs. 26.1–26.4, 27.1–27.2 6 presentations</td>
<td>Module 14 Exercises Module 14 Quiz</td>
<td>9 14</td>
</tr>
<tr>
<td>15</td>
<td>Squires &amp; Wyrick: Review 1 presentation</td>
<td>Test Review 3 Test 3</td>
<td>0 150</td>
</tr>
<tr>
<td>16</td>
<td>Squires &amp; Wyrick: Review 1 presentation</td>
<td>Final Exam Review Final Exam</td>
<td>0 199</td>
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</table>

**TOTAL** 1010

DB = Discussion Board

**NOTE:** Each course module/week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final module/week ends at 11:59 p.m. (ET) on **Friday**.