**Marshall University**

| Course Title/Number | **MTH 099 Mathematics Skills II** |
|---|---|
| Semester/Year | Fall 2014 |
| Days/Time | MWF 10:00-10:50 a.m. |
| Location | SH 516 |
| Instructor | Alexandria Amorim |
| Office | Smith Hall 311 |
| Phone | 304 696-3986 |
| E-Mail | amorim@marshall.edu |
| Office/Hours | MF 8:00 a.m. – 9:30 a.m. |
| University Policies | By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy be going to www.marshall.edu/academic-affairs and clicking on "Marshall University Policies."  Or, you can access the policies directly by going to http://www.marshall.edu/academic-affairs/policies |
| | **University Policies:** Academic Dishonesty, Excused Absence Policy for Undergraduates, Computing Services Acceptable Use, Inclement Weather, Dead Week, Students with Disabilities, Academic Forgiveness, Academic Probation and Suspension, Academic Rights and Responsibilities of Students, Affirmative Action, Sexual Harassment |

**Course Description: From Catalog**

The purpose of this course is to adequately prepare students to take college level Mathematics courses required in their program of study.

The table below shows the following relationships:  How each student learning outcomes will be practiced and assessed in the course.

| Course Student Learning Outcomes | How students will practice each outcome in this Course | How student achievement of each outcome will be assessed in this Course |
|---|---|---|
| Students will categorize expressions versus equations, employ appropriate mathematical properties to demonstrate an understanding of linear expressions and equations. | In-class exercises<br>Class discussions | Homework<br>Quizzes<br>Exams |
| Students will employ appropriate mathematical properties to demonstrate an advanced understanding of the operations on and simplification of polynomial, rational, and radical expressions, including factoring. | In-class exercises<br>Class discussions | Homework<br>Quizzes<br>Exams |

| | | |
|---|---|---|
| Students will articulate algebraic meanings for the solutions to linear, quadratic, rational, and radical equations, and also provide graphical representations for the solution(s) to linear equations. | In-class exercises<br>Class discussions | Homework<br>Quizzes<br>Exams |
| Students will assimilate information, individually or in a group, from a variety of sources to formulate successful study skills and problem solving strategies. | Classwork<br>Group work | Homework<br>Quizzes<br>Exams |

### Required Texts, Additional Reading, and Other Materials

1. Introductory Algebra. 2$^{nd}$ Edition. 2009. Miller, O'Neill, Hyde. ISBN#: 9780077281120
2. Connect Math Access Code – ISBN#: 9780077543785
3. **OR** ISBN#: 9780077928070

### Course Requirements / Due Dates

1. Homework - due before each exam
2. Exams – approximately one every 4-5 weeks
3. Common Final – 12/6 at 2 p.m.

### Grading Policy

| Credit/No Credit<br>75% or higher overall = Credit ---- less than 75% = No Credit |
|---|
| 20% Homework --- 30% In-class Exams --- 30% Common Final --- 20% Miscellaneous |

### Attendance Policy

It is expected that each student shows up on time and is prepared for class. Attendance is necessary for the successful completion of this course. A student may have an absence officially excused at The Office of Student Affairs, Memorial Student Center MSC 2W38. Any unexcused absence on the day of an exam will result in a score of zero. Only an excused absence will warrant a make-up exam to be scheduled during Dead Week.

### Course Schedule
Weeks 1-5       **Chapters R, 1, 2, 3**
Weeks 6-9       **Chapters 5, 6**
Weeks 11-15      **Chapters 7, 8, 9**
Week 16        **Dead Week**

# Marshall University
# MTH 099 – Mathematics Skills II

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|---|---|
| **Semester and Year:** | Spring 2014 |
| **Course Title:** | Mathematics Skills II |
| **Course Number:** | MTH 099 |
| **Section Number:** | 104 |
| **CRN:** | 3159 |
| **Meetings:** | Monday, Wednesday, Friday 8:00–9:15 a.m. |
| **Classroom:** | SH 516 |
| **Credit Hours:** | 3 – Credit / No Credit |
| **Prerequisites:** | ACT Math 17-18; or MTH 098 |
| | |
| **Instructor:** | Alexandria Amorim |
| **Office:** | Smith Hall 311 |
| **Phone:** | (304) 696-3986 |
| **Email:** | amorim@marshall.edu |
| **Office Hours:** | Monday & Friday 8:00 – 9:30 a.m. or by appointment |

**Course Description:**  The purpose of this course is to adequately prepare students to take college level Mathematics courses required in their program of study.

Note: This is a 3-hour course and will count toward full time enrollment status, but does not count toward graduation or GPA.  A grade of **Credit** or **No Credit** is assigned.

**Required Materials:**

Text:    *Introductory Algebra* 2nd Edition. Miller, O'Neill, Hyde. ISBN#: 9780077281120

Online:   Connect Math Access Code – ISBN#: 9780077543785

Each item may be purchased separately or both may be purchased under the following ISBN#: 9780077928070.

**Connect Math:**  Connect is the online homework tool and access must be purchased to meet the requirement for the Connect portion of the course.  Students are required to have access to a computer outside of class.

**Calculator:**  A calculator should be used only when you are instructed to do so.  The TI-83/TI-83 plus or similar graphing calculator is recommended for students continuing into MTH 127/MTH 130 and other higher-level courses.  A scientific calculator is recommended for students continuing into MTH 121.  Students may not utilize cell phones as calculators during tests.

**Learning Outcomes:** Students shall be able to
- categorize expressions versus equations, employ appropriate mathematical properties to demonstrate an understanding of linear expressions and equations;
- employ appropriate mathematical properties to demonstrate an advanced understanding of the operations on and simplification of polynomial, rational, and radical expressions, including factoring;
- articulate algebraic meanings for the solutions to linear, quadratic, rational, and radical equations, and also provide graphical representations for the solution(s) to linear equations;
- assimilate information, individually or in a group, from a variety of sources to formulate successful study skills and problem solving strategies.

**Attendance Policy**:  It is expected that each student shows up on time and is prepared for class.  Attendance is necessary for the successful completion of this course.  A student may have an absence officially excused at The Office of Student Affairs, Memorial Student Center MSC 2W38.  Any unexcused absence on the day of an exam will result in a score of zero.  Only an excused absence will warrant a make-up exam to be scheduled during Dead Week.

**Outside Classroom Requirements:**  Students will need to _work at least 2-4 hours outside of class for every 1 hour spent in class_, studying notes and the textbook, completing homework from the book, and completing assignments in Connect to meet the requirements of the course.

**Tutoring Resources:** http://www.marshall.edu/math/tutoringlab.asp
- Office Hours, Smith Hall 311
- Math Tutoring Center, Smith Music Hall 115
  Monday – Thursday 9 a.m.–5 p.m., Friday 9 a.m.–12 p.m.
- University Tutoring Center, Laidley Hall
  Monday – Friday 8 a.m.–5 p.m.

**University Policies**
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muwww-new.marshall.edu/academic-affairs/policies/
Academic Dishonesty, Excused Absence Policy for Undergraduates, Computing Services Acceptable Use, Inclement Weather, Dead Week, Students with Disabilities, Academic Forgiveness, Academic Probation and Suspension, Academic Rights and Responsibilities of Students, Affirmative Action, and Sexual Harassment.

**Classroom Etiquette:**  During class, cell phones must be turned off and out of sight.  Please make the instructor aware ahead of time if access to these devices is needed.

**Final Exam:**  The MTH 099 Common Final Exam will be held on <u>Saturday, Dec. 6th at 2 p.m.</u>  The instructor will announce the location.

**Grading Policy**:  Since there are multiple ways in which students learn, knowledge and understanding will be assessed with multiple tools.  A student's grade is assessed by the number of points earned in each of the following categories:

| Category | % of Grade | Points |
|---|---|---|
| In-Class Exams | 30% | 300 pts. |
| Comprehensive Final Exam | 30% | 300 pts. |
| Online Homework Tool | 20% | 200 pts. |
| Miscellaneous | 20% | 200 pts. |
| **Total:** | **100%** | **1000 pts.** |

**Credit:** 75% (750 pts.) or higher overall
**No Credit:**  Less than 75% overall

Students are required to take the comprehensive final exam in order to pass the course.

## Important Dates:
- 9/1/14                         **Labor Day – University Closed**
- 10/20/14                     **Freshman Midterm D and F Grades Due**
- 10/31/14                     **Last Day to Drop a Full Semester Course**
- 11/24/14 – 11/29/14   **Thanksgiving Break – No Classes**
- 12/1/14 – 12/5/14      **Dead Week**
- 12/6/14                       **MTH 099 Common Final Exam Day (2:00 p.m.)**

## University Schedule
The complete university schedule can be found at
www.marshall.edu/calendar/academic/fall2014.asp

**Grading Breakdown:**

| Category | % of Grade | Points |
|---|---|---|
| **In-Class Exams** | **30%** | **300 pts.** |
| Exam 1 – October 1 | 10% | 100 pts. |
| Exam 2 – October 24 | 10% | 100 pts. |
| Exam 3 – November 21 | 10% | 100 pts. |
| **Comprehensive Final Exam** | **30%** | **300 pts.** |
| Final Exam – December 6 | 30% | 300 pts. |
| **Online Homework Tool** | **20%** | **200 pts.** |
| Connect Math – due before each exam | 20% | 200 pts. |
| **In-class Quizzes** | **10%** | **100 pts.** |
| Quiz 1 – August 29 | 1% | 10 pts. |
| Quiz 2 – September 5 | 1% | 10 pts. |
| Quiz 3 – September 12 | 1% | 10 pts. |
| Quiz 4 – September 19 | 1% | 10 pts. |
| Quiz 5 – September 26 | 1% | 10 pts. |
| Quiz 6 – October 10 | 1% | 10 pts. |
| Quiz 7 – October 17 | 1% | 10 pts. |
| Quiz 8 – October 31 | 1% | 10 pts. |
| Quiz 9 – November 7 | 1% | 10 pts. |
| Quiz 10 – November 14 | 1% | 10 pts. |
| **Miscellaneous** | **10%** | **100 pts.** |
| Find Tutoring Lab (SH Music 115) | 1% | 10 pts. |
| Find My Office (SH 311) | 1% | 10 pts. |
| Find My Mailbox (SH 5) | 1% | 10 pts. |
| Exam 1 Review Presentation | 1% | 10 pts. |
| Exam 1 Review (C or below) | 1% | 10 pts. |
| Exam 2 Review Presentation | 1% | 10 pts. |
| Exam 2 Review (C or below) | 1% | 10 pts. |
| Exam 3 Review Presentation | 1% | 10 pts. |
| Exam 3 Review (C or below) | 1% | 10 pts. |
| Final Exam Review Presentation | 1% | 10 pts. |
| **Total:** | **100%** | **1000 pts.** |

*Note*: Your lowest quiz score will be replaced with your highest quiz score.  If more than one quiz is missed, it may only be made up with an excused absence.