

## Online Math 1118 Weekly Schedule

| WEEK | DATES/SECTIONS                                                                                                                                 | WATCH D2L VIDEO LECTURES                                                                                                 | TURN IN ACTIVITY                        | MML Chapter Test & DISCUSSION POSTS DUE                                                                                                                                         |
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| 1    | 1/13 – 1/19<br><br>1.1, 1.2                                                                                                                    | Rectangular Coordinates;<br>Introduction to Graphing<br>Utilities<br><br>Intercepts; Symmetry; Graphing<br>Key Equations | Activity 1 due Tues. 1/21<br>11:00 p.m. | Getting to Know You<br>Discussion Post due Tues.<br>1/21 11:00 p.m.<br><br>Discussion Post 1 due<br>Tues. 1/21 11:00 p.m.<br><br>D2L Syllabus Quiz due<br>Tues. 1/21 11:00 p.m. |
| 2    | 1/20 – 1/26<br><br>1.3, 1.5, 2.1                                                                                                               | Solving Equations Using a<br>Graphing Utility<br><br>Circles<br><br>Functions                                            | Activity 2 due Mon. 1/27<br>11:00 p.m.  | Discussion Post 2 due<br>Mon. 1/27 11:00 p.m.                                                                                                                                   |
| 3    | 1/27 – 2/2<br><br>2.2, 2.3                                                                                                                     | The Graph of a Function<br><br>Properties of Functions                                                                   | Activity 3 due Mon. 2/3<br>11:00 p.m.   | Discussion Post 3 due<br>Mon. 2/3 11 p.m.                                                                                                                                       |
| 4    | 2/3 – 2/9<br><br>2.4, 2.5                                                                                                                      | Library of Functions; Piecewise-<br>Defined Functions<br><br>Graphing Techniques:<br>Transformations                     | Activity 4 due Mon. 2/10<br>11:00 p.m.  | Discussion Post 4 due<br>Mon. 2/10 11 p.m.                                                                                                                                      |
| 5    | 2/10 – 2/16<br><br>2/11 Student<br>Success Day<br>Online sessions<br>link can be found<br>in Week 5<br>checklist and on<br>D2L<br><br>3.3, 3.5 | Quadratic Functions and Their<br>Properties<br><br>Inequalities Involving Quadratic<br>Functions                         |                                         | MML Chapter 1&2 Test<br>due Tues. 2/18 by 11:00<br>p.m. with a score of at<br>least 75%<br><br>Discussion Post 5 due<br>Tues. 2/18 11 p.m.                                      |
| 6    | 2/17 – 2/23<br><br>3.4, 2.6                                                                                                                    | Building Quadratic Models from<br>Verbal Descriptions<br><br>Mathematical Models: Building<br>Functions                  | Activity 5 due Mon. 2/24<br>11:00 p.m.  | Discussion Post 6 due<br>Mon. 2/24 11 p.m.                                                                                                                                      |

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| 7               | 2/24 – 3/2<br><br>4.1, 4.2, 4.3  | Polynomials<br><br>The Real and Complex Zeros of a Polynomial Function                               | Activity 6 due Mon. 3/3<br>11:00 p.m.                                                                                        | Discussion Post 7 due<br>Mon. 3/3 11:00 p.m.                                                                                                                                                                                                         |
| 8               | 3/3 – 3/9<br><br>4.4, 4.5, 4.6   | Rational Functions and Their Graphs<br><br>Polynomial and Rational Inequalities                      | Activity 7 due Mon. 3/17<br>11 p.m.<br><br>Begin Reviewing for Midterm                                                       | Arrange proctor for<br>midterm if not taking on<br>campus and e-mail me<br>information!<br><br>Discussion Post 8 due<br>(Mon. 3/17 11 p.m.)<br><br>MML Chapter 3&4 Test<br>due <b>Wednesday, 3/19<br/>11:00 p.m.</b> with a score<br>of at least 75% |
| SPRING<br>BREAK | 3/10 – 3/16                      |                                                                                                      |                                                                                                                              |                                                                                                                                                                                                                                                      |
| 9               | 3/17 – 3/23                      | Difference Quotients (not in<br>textbook)                                                            | <b>Midterm Review (Extra<br/>Credit) due Thurs., 3/20 bring<br/>to final exam or submit<br/>electronically by 11:00 p.m.</b> | MML Chapter 3 & 4 Test<br>due <b>Wednesday 3/19<br/>11:00 p.m.</b> with a score<br>of at least 75%<br><br><b>Midterm Exam<br/>on campus<br/>Thurs. March 20: 6 – 9<br/>p.m. Room TBA</b><br><br>Discussion Post 9 due<br>Mon. 3/24 11:00 p.m.        |
| 10              | 3/24 – 3/30<br><br>5.1, 5.2, 5.3 | Composition of Functions<br><br>Inverse Functions<br><br>Exponential Functions                       | Activity 8 due Mon., 3/31<br>11:00 p.m.                                                                                      | Discussion Post 10 due<br>Mon. 3/31 11:00 p.m.                                                                                                                                                                                                       |
| 11              | 3/31 – 4/6<br><br>5.4, 5.5       | Logarithmic Functions<br><br>Properties of Logarithms                                                | Activity 9 due Mon. 4/7<br>11:00 p.m.                                                                                        | Discussion Post 11 due<br>Mon. 4/7 11:00 p.m.                                                                                                                                                                                                        |
| 12              | 4/7 – 4/13<br><br>5.6, 5.7, 5.8  | Logarithmic and Exponential<br>Equations<br><br>Financial Models<br><br>Exponential Growth and Decay | Activity 10 due Mon., 4/14<br>11:00 p.m.                                                                                     | Discussion Post 12 due<br>Mon. 4/14 11:00 p.m.                                                                                                                                                                                                       |

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| 13              | 4/14 – 4/20<br><br>3.2, 3.4, 4.1, 5.9 | Regression                                                                                                |                                                            | MML Chapter 5 Test due Mon. 4/21 11:00 p.m. with a score of at least 75%<br><br>Discussion Post 13 due Mon. 4/21 11:00 p.m.              |
| 14              | 4/21 – 4/27<br><br>11.1, 11.6         | Systems of Linear Equations: Substitution and Elimination<br><br>Systems of Nonlinear Equations           | Activity 11 due Mon. 4/28 11:00 p.m.                       | Discussion Post 14 due Mon. 4/28 11:00 p.m.                                                                                              |
| 15              | 4/28 – 5/4<br><br>11.1, 11.2          | Using Graphing Calculators to Solve Systems of Equations<br><br>Matrix Methods for Solving Linear Systems | Activity 12 due Mon. 5/5 11:00 p.m.                        | Arrange proctor for final exam if not taking on campus and e-mail me information!<br><br>Discussion Post 15 due Mon. 5/5 11:00 p.m.      |
| 16              | 5/5 – 5/11                            | Review for Final Exam                                                                                     | Begin working on final exam review if you haven't already! | Discussion Post 16 due Tues. 5/13 11:00 p.m.                                                                                             |
| Final Exam Week | 5/12 – 5/13                           |                                                                                                           |                                                            | MML Chapter 11 Test due Mon. 5/12 11 p.m. with a score of at least 75%<br><br><b>Final Exam Tuesday, May 13, 6 – 9 p.m.<br/>Room TBA</b> |

\*The Video Lectures can be located on D2L under the content page. Additional video lectures created by the textbook publishers can be found on MyMathLab. It is also recommended that you read your textbook and do HW problems from the textbook and/or on MyMathLab. **If you are having trouble getting the Video Lectures to play on your computer, try viewing them from my faculty website instead: <http://faculty.inverhills.edu/agallan>**

\* **All Activities, Discussion Posts and most MML Chapter Tests are due on Mondays by 11 pm.** (except in the case of holidays on Mondays) D2L HW Activities can be:

- **scanned and submitted to the D2L dropbox (preferred method!!! Use a single pdf or Word file!)**
- faxed to me (651-450-3318), (use a coversheet with your name and my name, please!)
- slipped under my office door (Liberal Arts 121)
- mailed to me at: Angela Gallant (must be postmarked by due date)  
Inver Hills Community College  
Liberal Arts #121  
2500 East 80<sup>th</sup> Street  
Inver Grove Heights, MN 55076

**Please make sure your name is at the top of each page of your HW activity before you submit!**

- You are required to make at least one posting to the D2L discussion board every week (in addition to an introductory post week 1). These posts should be questions or responses to your classmates about activities or course material. The posts must be different from what others have posted. Be specific in your questions. An example of a good post might be, "I keep getting #10 wrong. Here is what I did . . . Can you tell me where I went wrong?" Please be polite with your posts, using correct grammar and a respectful tone.
- I will be at Inver Hills during my office hours (LA 121) Monday through Friday.

**Office Hours:** MWF 9:30 a.m. – 10:30 a.m., TTh 11:00 a.m. – 11:50 a.m.

- Additional help is also available Monday-Friday from the peer tutor center or Math Center (2<sup>nd</sup> floor of the library).
- The times for the Midterm Exam and Final Exam will be:  
Midterm: Thursday, March 20: 6 – 9 p.m.  
  
Final Exam: Tuesday, May 13: 6 – 9 p.m.