

MAT 114 – Mathematical Reasoning

New Course – From Developmental Math to Math in the Modern World in One Step!

Sinclair Community College

1. The Mathematics Department is offering a new math course, MAT 114 – Mathematical Reasoning, beginning in Winter Quarter 2012.
2. MAT 114 is designed to:
 - a. give students a strong mathematical foundation through the use of application problems.
 - b. be an alternate path to MAT 108, Math in the Modern World, instead of the traditional prerequisite path of Elementary and Intermediate Algebra (MAT 101 and 102).
 - c. allow students to go directly to MAT 108, Math in the Modern World, after successfully completing MAT 114.
3. Course Description: This course integrates numeracy, proportional reasoning, algebraic reasoning, and understanding of functions. An activity-based approach is used to explore numerical concepts, quantitative reasoning, graphical displays of data, proportional relationships in real-world problems, problem solving with equations and inequalities, functions, and linear and exponential models. 5 Quarter Hours. *Students should take MAT 114 only if they plan on taking MAT 108.* (Prerequisite: A grade of C or better in DEV 108; or sufficient score on the mathematics placement test. Students who have attempted or placed into MAT 191, 192, 193, 101, or 102 are also eligible to enroll in MAT 114.)

4. Schedule of course offerings (MAT 114 followed by MAT 108):

<u>Days</u>	<u>Winter 2012</u>	<u>Spring 2012</u>
T/R	MAT 114 9:30 am – 11:45 am	MAT 108 9:30 am – 10:15 am
M/W	MAT 114 12:30 pm – 2:45 pm	MAT 108 12:30 pm – 1:45 pm
T/R	MAT 114 4:30 pm – 6:45 pm	MAT 108 5:00 pm – 6:15 pm



Note 1: This schedule may change depending on course enrollments.

Note 2: MAT 114 will be offered in the same timeslots in Spring 2012 as in Winter 2012.

MAT 114 – Mathematical Reasoning
MAT 108 – Math in the Modern World

As of:

11/18/2011

5. Math Department Contact: Jim Willis, 512-2018, james.willis@sinclair.edu
or Math Department Office, Room 1-341, phone 512-2767