Math 10 and Math 20

**Math 10** Basic Mathematics and Elementary Algebra (4 crs). This course develops basic mathematics and elementary algebraic skills and is intended for students who need a review of these skills prior to entering Math 20. The course carries only transcript credit, which does not count toward graduation. [The grade earned is calculated in the GPA.]

**Math 20** Intermediate Algebra (4 crs). A course designed for students who need to strengthen their algebraic skills prior to enrollment in Math 104, 106, 107, 108, 109, 203 or 246. The course covers the real number system, linear equations and inequalities, operations on polynomials and rational expressions, factoring, solutions of quadratic equations, Cartesian coordinates, functions, and related applications. **Prerequisite:** Math 10 or one year of college-preparatory algebra and suitable scores on the placement test. The course carries only transcript credit, which does not count toward graduation. [The grade earned is calculated in the GPA.]

REFER to yellow open course list for available sections of MATH 10 and 20

**Please note:** for MATH 10 (Sections 731 and 732) and MATH 20 (Sections 731 and 732) these are Hybrid courses. Read below for more information.

Students work at their own pace through the textbook with supplemental worksheets and web-based lessons, the web-based assignments have scheduled due dates. Computer-based homework problems with instant feedback and explanations and computer-based quizzes are assigned. All tests are paper/pencil and administered on Tuesdays. Students have the flexibility to work as quickly as desired through the course. To be successful with this format, students must be willing to accept a high level of personal responsibility for the course and be ready to dedicate 10-12 hours per week to study and complete the assignments. Each student will be required to schedule a consistent 3 to 4 hours per week in the Arithmetic and Algebra Tutor Center for the semester.

All registered students will receive an email describing the course and how to get started. Students may begin work immediately, if so desired, and work through the materials as fast as desired.

**Scheduling time in the Arithmetic and Algebra Tutor Center:** Located in Hibbard 218; there are sixteen computers for listening to the web lessons and completing the homework and quizzes, a printer, and study tables are available. Tutors, Math Education majors and previous Math 20 students, are on duty to help answer questions and proctor exam corrections. When no tutor is on duty, help is available in the Math Lab, or contact Dr. Bingen. Each student will be required to schedule a consistent 3 to 4 hours per week in the Arithmetic and Algebra Tutor Center for the semester. Details for reserving hours will be sent via email.
Options for advancing beyond placement in Math 10 or Math 20

If you believe your math placement score does not accurately reflect your ability, you have two options:

1. **Summer Math (Math Springboard):** The Math Springboard program is a refresher math course for incoming freshman who place into Math 10 or 20. Capacity for this program is limited; enrollment will be taken on a first-come, first-serve basis. It will run from July 5 to August 19, 2016. From July 5 through August 19 students will work through course materials online. Students living on campus will move into their residence hall rooms on August 28 and spend the next three mornings in math review sessions to brush up on topics and to prepare for the final exam on the fourth morning. Students will attend structured programming events during afternoons and early evenings. The cost of participating in this program is $200 for students living in the residence halls and $100 for commuting students; financial aid is available.

   This is a mastery based course and students must score 75% on each assignment to progress to the next assignment. Computer-based homework problems with instant feedback and explanations and computer-based quizzes will be assigned, as well as computer-based quizzes and exams. Supplemental worksheets, web-based lessons, online office-hours, and tutoring are available to students during the 7 week online portion.

   In the mornings and evenings of August 29, 30, and 31 students will work with a UWEC mathematics professor and tutors to complete their review, and will then take a proficiency exam on August 29. Students that pass this exam will be given credit for Math 20 and then be registered in a fall semester course that requires Math 20 as a prerequisite (such as a 100-level math course, Chemistry 103, or Economics 103) that corresponds to their intended major. A student that does not meet proficiency on the exam will remain enrolled in Math 20 during the fall semester.

2. **CREDIT BY EXAM Option (Available to all students)**
   
   Complete the Sample Final Review for the course located at: http://desi.uwec.edu/math/care/
   
   a. Check your answers.
   
   b. If you did not answer at least 40 of the 50 correct the VERY FIRST TIME without help, review for the course by looking at the sample web lessons available. Then try the Sample Final Review again.
   
   c. When ready, contact the Chair of the Math Department at: smithaj@uwec.edu to obtain permission and additional instructions.

   The cost for the Credit by Exam is $75. It may be taken during move-in week; contact the Mathematics department to schedule. The exam consists of 40 questions and is scored as Satisfactory or Unsatisfactory.

   Students that pass this exam will be given credit for Math 20 and then be registered in a fall semester mathematics course at the 100 level that corresponds to their intended degree. A student that does not pass the exam will remain enrolled in Math 20 during the fall semester.