Welcome to MTH 431! The primary qualification a math teacher must have is mastery of mathematical content. But once one has obtained the knowledge and maturity necessary to teach, there remains much to learn about the art of teaching mathematics. This course will help you begin your journey to a satisfying career as an exemplary mathematics teacher. Among other things, we will discuss

- Standards for school mathematics
- Course design
- Lesson planning and task design
- Classroom organization, management, and presentation
- Grading and assessment
- Student motivation and cognition
- Math anxiety
- Race, culture, and equity in mathematics teaching
- Finding your place in the profession
- Resources and professional development for teachers
- Uses and misuses of technology
- Alternate approaches to mathematics teaching
- ‘Math reform’ and other controversial topics in mathematics education

You should purchase the following items

- A three-ring binder to keep course materials
- A notebook suitable for keeping a journal
- An NCTM student e-membership (register online at NCTM.org)
Instructor Information
Instructor: David Offner
Email: offnerde@westminster.edu
Office Phone: 724-946-7293
Office Hours: MWF 10:30-11:30 in Hoyt 156 or by appointment—just send email!

Course Information
Time and Location: MWF 3:10-4:10, Hoyt 166
Course Websites: learn.westminster.edu
sites.google.com/view/2018teachingmath/home

Objectives: By the end of the course, you will have gained insight into the daily experience of being a classroom teacher: planning, instruction, assessment, reflection. You will be familiar with the Common Core Standards for mathematics. You will have developed your own ideas about what you value in the curriculum, and how you expect to help your students learn. You will be familiar with resources that will allow you to continue to learn and grow as a professional, and become a leader in the profession.

Grades: Thorough, thoughtful completion of all assignments and participation in class discussions will ensure a grade of A. If you are in danger of not receiving an A, I will let you know.

Academic integrity: Central to the purpose and pursuit of any academic community is academic integrity. All members of the Westminster community, including students, faculty, staff, and administrators, are expected to maintain the highest standards of honesty and integrity, in keeping with the philosophy and mission of the College. –Westminster College Undergraduate Catalog, p. 65.

Academic dishonesty will not be tolerated. The penalty for academic dishonesty is a grade of F for the course. Any event of academic dishonesty is reported to the Dean of the college. Other details of violations and consequences are given in the Catalog, beginning on page 65.

Accessibility Statement: Westminster College actively strives for the full inclusion of all our students. Students with disabilities who require access solutions for environmental or curricular barriers should contact Faith Craig, Director of Disability Support Services, located in 209 Thompson-Clark Hall. You may reach her at 724-946-7192 or craigfa@westminster.edu. No accommodations can be given without documentation from the Office of Disability Resources.