

4. Demonstrate the use of problem-solving strategies and critical thinking used in math activities.	Math Activities (varied) Lecture Cooperative learning activities (group and partner)	Math Activities rubrics Midterm exam Final exam
5. Create a grade appropriate mathematics learning center that is engaging and interactive.	Math Learning Center Math Learning Center Presentation	Math Learning Center rubric Math Learning Center Presentation rubric

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria.*

SEQUENCE OF TOPICS:

1. Mathematics curriculum for the 21st century
2. Mathematics for ALL learners
3. Learning, instructing and assessing mathematics in the classroom
4. The skill development of:
 - Number concepts
 - Number Systems
 - Proportional Reasoning and Probability
 - Decimals and Fractions
 - Geometry and Measurement
 - Algebra
 - Problem Solving

LEARNING MATERIALS:

Textbook: Kennedy, Leonard M., Tipps, Steve and Johnson, Art. (2008). *Guiding Children's Learning of Mathematics* (12th ed.). Belmont, CA: Wadsworth Publishing.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

COURSE APPROVAL:

Prepared by: Helen Gingrich; Carol-Rae Sodano; D. Creciun Date: 1995

Revised by: Elizabeth Lattanzi
VPAA/Provost or designee Compliance Verification:
Victoria L. Bastecki-Perez, Ed.D.

Date: 3/1/2013

Date: 4/8/2013

Revised by: Elizabeth Lattanzi
VPAA/Provost or designee Compliance Verification:
Victoria L. Bastecki-Perez, Ed.D.

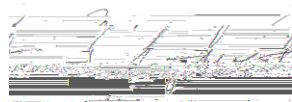
Date: 9/12/2018

Date: 9/2018

Revised by: Meryl Sultanik
VPAA or designee Compliance Verification:

Date: 9/9/2024

Date: 11/19/2024



This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.