

MATH 6901 - Mathematics Workshop

Fall 2026 Syllabus, Section 01, CRN 43820,

Credit hours: 1

Instructor

Mason Martuccio

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Public Instructor Information

Instructor Title: Mr. Mason Martuccio

Instructor Professional Qualifications:

- Ph.D. (currently pursuing), Mathematics Education, Kent State University
- M.A., Applied Mathematics, Kent State University
- B.S., Mathematics, Youngstown State University

Instructor Office Location: Cafaro Hall 616 & BC0E 2420

Instructor Office Phone: (330) 941-3302

Course Description

6901. Mathematics Workshop. Intensive study and activity in a topic related to mathematics, its applications, or the teaching of mathematics. May be repeated. Grading is S/U. Prereq.: Permission of graduate director. 1-6 s.h.

Course Readings

Group	Title	Author	ISBN
Required	MAA Instructional Practices Guide	Mathematical Association of America	978-1-61444-325-4
Optional	Guidelines for Assessment and Instruction in Statistics Education College Report 2016	GAISE College Report ASA Committee	
Optional	Teaching American Students Mathematics	Ellen Sarksian	978-0674021419
Optional	A Practical Guide to Cooperative Learning in Collegiate Mathematics	Reynolds et al.	978-0883850954

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24		Introduction to Course; Lesson Planning	
8/31	MAA CP.1	Productive Struggle; Checking for Student Understanding; Classroom Discussion	Weekly Lesson Plan #1 due at 11:59 pm
9/7	No Class		
9/14	MAA CP.2	Creating Group Activities; Cognitively Demanding Tasks	Weekly Lesson Plan #2 due at 11:59 pm

9/21	MAA AP.1-AP.3	Conceptual vs. Procedural Understanding/ Creating Assessments (Tests/Quizzes); Guest Speaker TBA	Weekly Lesson Plan #3 due at 11:59 pm; Group Activity Assignment due at 11:59 pm
9/28	See Blackboard	Grading Assessments/Retakes; Guest Speaker TBA	Weekly Lesson Plan #4 due at 11:59 pm; Sample Assessment due at 11:59 pm; Peer Observation due at 11:59 pm
10/5	MAA XT.1-XT.5	Technology	Weekly Lesson Plan #5 due at 11:59 pm; Grading Sample due at 11:59 pm
10/12	See Blackboard	Mathematical Knowledge for Teaching (MKT); Student Misconceptions	Weekly Lesson Plan #6 due at 11:59 pm; Technology-Based Activity due at 11:59 pm
10/19	See Blackboard	Multiple Representations of Mathematical Concepts	Weekly Lesson Plan #7 due at 11:59 pm
10/26	See Blackboard	Differentiation in the Undergraduate Mathematics Classroom	Weekly Lesson Plan #8 due at 11:59 pm
11/2	See Blackboard	Writing a Teaching Philosophy	Weekly Lesson Plan #9 due at 11:59 pm; Faculty Observation due at 11:59 pm
11/9	See Blackboard	Creating a CV; Guest Speaker from STEM Professional Services	Weekly Lesson Plan #10 due at 11:59 pm; Teaching Philosophy due at 11:59 pm
11/16	See Blackboard	Incorporating History of Mathematics	Weekly Lesson Plan #11 due at 11:59 pm
11/23	See Blackboard	AI and Mathematics	Weekly Lesson Plan #12 due at 11:59 pm
11/30		Final Grades	
12/7		Finals Week - No Class	Teaching Portfolio due at 11:59 pm

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.