

EDUC 388 Middle School Math Strategies

Credit Hours: 3

Scheduled hours per week

Lecture: 3

Lab: 0

Field Experience: 20 hours

Catalog Course Description: This course is designed for education majors seeking a math emphasis. Math curricula, methods, and differentiation at the middle school level are studied. Students will plan and teach lessons in the middle school mathematics classroom.

Pre-requisites: Admission to Teacher Education program

Co-requisites: Field Experience (20 hours)

Course Learning Outcomes (CLO):

1. Students will identify instructional strategies, including integrating technology, needed to effectively engage students in middle school mathematics lessons. (*Assessment: field placement lesson plans, written assignments, exam*)
2. Students will plan middle school mathematics lessons utilizing state standards. (*Assessment: field placement lesson plans, written assignment*)
3. Students will teach middle school mathematics lessons utilizing state standards and a variety of instructional strategies. (*Assessment: field placement lesson plans*)
4. Students will utilize differentiated instruction techniques during mathematics instruction. (*Assessment: field placement lesson plans, written assignments*)
5. Students will demonstrate content knowledge of middle school mathematics standards. (*Assessment: exam*)

CLO Assessment Methods: Lesson Planning Assessment, Field Experience Lessons, Written Assignments, Exam

Topics to be studied:

1. WVCCR Standards for 7th grade, 8th grade, and Algebra I
2. Middle school mathematics instructional strategies
3. Math technology tools
4. Differentiated instruction
5. Lesson planning
6. Classroom management as it applies to the middle school math classroom

Relationship of Course to Program Learning Outcomes (PLO) or Institutional Learning Outcomes:

This course develops opportunities for the teacher candidates to increase their understanding of the middle school mathematics setting, instructional strategies, and content. The teaching experiences enable them to demonstrate commitment to the profession and to practice the skills of planning, teaching, personal interactions, integration of cultural diversity, and decision-making for the enactment of that commitment.

PLO Assessment Methods: Lesson Planning Assessment, Post-Admission Field Experience Evaluation

Check if approved as: ☐ Foundational Learning Course ☐ Reinforcement Learning Course

Special requirements of the course:

1. Submit collection of middle school math lesson plans to LiveText
2. Submit field experience paperwork
3. Submit school-based educator's evaluation of field experience placement
4. Have current Livetext (or affiliate) subscription and use Blackboard for the course requirements
5. Have current background check

Additional information:

N/A

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