

# EDMG - EDUCATION : MIDDLE GRADES

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## EDMG 2257 Instructional Strategies in Middle Grades (2-2-3)

A hands-on introductory course focused on developmentally appropriate instructional practices and curriculum for middle grades students. Offers opportunities to teach in the middle level grades, 4-8th grade. Field experience required as a course component.

**Prerequisite(s):** EDMG 3225 with a minimum grade of C and Admitted to Teacher Education with a score of Y

## EDMG 3115 Teaching Literacy Across the Content Areas (2-1-2)

Integrated reading, writing, thinking, speaking, and listening across curricular areas in middle grades are emphasized.

**Prerequisite(s):** Admitted to Teacher Education with a score of Y and EDMG 2257 with a minimum grade of C

### Restriction(s):

Freshman or Sophomore students may **not** enroll.

Enrollment limited to students major in Middle Grades Education.

Enrollment limited to students in the College of Educ Health Prof college.

## EDMG 3225 Adolescent Development for Educators (3-0-3)

Students will examine issues such as gender, cultural influences, nature vs. nurture, sexuality, and other major life events. Students will also explore how these effect a person's psychological development and factor into the overall lifespan development. Focus on adolescent development is emphasized.

## EDMG 3235 Project-Based Curriculum for History Educators (3-1-3)

Prerequisite: Admission to Teacher Education Students will examine history content and 4th-8th grade standards, develop project-based curriculum for middle grade history students, and assess and evaluate learning to improve student outcomes. Field experience required as a course component.

## EDMG 3555 Selected Topics in Middle Grades Education (2-0-2)

Selected topics in middle grades education. Course may be taken two times for credit when topics differ.

**Prerequisite(s):** Admitted to Teacher Education with a score of Y

### Restriction(s):

Enrollment limited to Junior or Senior students.

## EDMG 4121 Teaching Mathematics in the Middle Grades I (3-0-3)

Prerequisites: Admission to Teacher Education. Instructional strategies, materials, and lesson planning for middle grades mathematics classes with an emphasis on basic middle grades mathematical concepts; national curriculum recommendations.

**Prerequisite(s):** Admitted to Teacher Education with a score of Y

## EDMG 4155 Teaching Reading and English Language Arts in Middle Grades (2-0-2)

Specific instructional strategies relating to Reading and English Language Arts are covered. Hands-on and in-class simulated experiences are a large component of the class.

**Prerequisite(s):** EDMG 2257 and EDMG 3115 and EDCI 3455 (may be taken concurrently)

### Restriction(s):

Freshman or Sophomore students may **not** enroll.

## EDMG 4222 Teaching Mathematics in the Middle Grades II (2-4-4)

An exploration of mathematical concepts taught in the upper middle grades; emphasis on concepts of proportional reasoning, integers, and functions. Assessment and unit planning.

**Prerequisite(s):** (Admitted to Teacher Education with a score of Y and EDMG 4121)

## EDMG 4235 Teaching Science in the Middle Grades (3-2-4)

Prerequisite: Admission to Teacher Education. Lesson and unit planning, implementation strategies, and selection of materials for middle grades science. Emphasis will be placed on the processes of science and recommendations of national curriculum efforts.

## EDMG 4245 Social Studies in the Middle Grades (3-2-4)

Prerequisites: Admission to Teacher Education. An overview of the history, philosophy, goals, objectives and curriculum guidelines of the social sciences and social studies. Focus on concept formats, skill development and evaluation and assessment appropriate for the middle grades learner. Special emphasis on interdisciplinary approaches, field standards, current practices, diversity and technology.

**Prerequisite(s):** (Admitted to Teacher Education with a score of Y)

## EDMG 5126G Investigative Geometry and Measurement (4-0-4)

Prerequisites: Completion of 9 hours approved MATH courses.

Exploration of geometry and measurement topics using a variety of tools, both classical and technological. Course emphasizes content as well as various approaches to learning in this area.

### Restriction(s):

Enrollment is limited to Graduate Level level students.

## EDMG 5126U Investigative Geometry and Measurement (4-0-4)

Prerequisites: Completion of 9 hours approved MATH courses.

Exploration of geometry and measurement topics using a variety of tools, both classical and technological. Course emphasizes content as well as various approaches to learning in this area.

## EDMG 6117 Improved Teaching of English Language Arts in Grades 4-8 (3-0-3)

A refinement of knowledge and skills for teaching the English language arts in a middle-level setting. Theme-based teaching, curriculum innovations, NCTE/IRA Standards.

### Restriction(s):

Enrollment is limited to Graduate Level level students.

## EDMG 6125 Teaching Mathematics in the Middle Grades (3-0-3)

An examination of teaching strategies, assessment techniques, curriculum, and resources for sound mathematics instruction for middle grades students.

### Restriction(s):

Enrollment is limited to Graduate Level level students.

## EDMG 6126 Content Underpinnings for Middle School Mathematics (3-0-3)

In-depth study of a content area in middle school mathematics from an advanced view and in a manner modeling current recommendations for teaching mathematics in middle grades. May be taken twice for credit.

### Restriction(s):

Enrollment is limited to Graduate Level level students.

## EDMG 6127 Teaching Science in Middle Grades (3-0-3)

Co-requisite EDCI 6456. Content selection and teaching methodology in middle grades physical and life science. Emphasis will be placed on recommendations from national curriculum movements.

**Prerequisite(s):** EDCI 6456 (may be taken concurrently) with a minimum grade of D

**EDMG 6135 Teaching Concepts of Physical Science in the Middle Grades (3-0-3)**

Content selection and teaching methodology in middle grades physical science. Emphasis will be placed on recommendations from national curriculum movements.

**Restriction(s):**

Enrollment is limited to Graduate Level level students.

**EDMG 6136 Teaching Concepts of Life Science in the Middle Grades (3-0-3)**

Content selection and teaching methodology in middle grades life science. Emphasis will be placed on recommendations from national curriculum movements.

**Restriction(s):**

Enrollment is limited to Graduate Level level students.

**EDMG 6137 Content Underpinnings for Middle School Science (3-0-3)**

An in-depth study of content areas in middle school science from an advanced view and in a manner modeling current recommendations for teaching science in middle grades.

**Restriction(s):**

Enrollment is limited to Graduate Level level students.

**EDMG 6155 Psychology of the Early Adolescent Learner (3-0-3)**

A focused study of early adolescent development with an emphasis on instructional models that enhance achievement during the middle grades years.

**Restriction(s):**

Enrollment is limited to Graduate Level level students.

**EDMG 7125 Issues in Mathematics Education in Middle Grades (3-0-3)**

An in-depth examination of current as well as past issues related to the mathematics education of middle school students.

**Restriction(s):**

Enrollment is limited to Graduate Level level students.

Enrollment limited to students in a Specialist in Education degree.