Collaborative Natural and Applied Sciences Mathematics Bachelor of Arts in Math/Minor in Math
Secondary Education, Specialization in Math Education Full-Time Faculty Members

Math Program Curricular Mappings (CMs)

**DEVELOPMENTAL MATH SLOs**

1. DEVA-M1: Demonstrate ability to use modern software, abstract thinking, and mathematical practices to direct the students to use purely mathematical methods in their solutions.
2. DEVA-M2: Demonstrate the knowledge of current mathematical applications, computer practices and technology use in society, and science and education.
3. MA PR-1: Demonstrate critical thinking, problem-solving skills, and ability to use mathematical methods by identifying, evaluating, and synthesizing, data and abstract ideas in various contexts & situations.
4. MA PR-2: Demonstrate the knowledge of current mathematical applications, computer practices and technology use in society, and science and education.
5. MA PR-3: Demonstrate ability to use modern software, abstract thinking, and mathematical practices connected to scientific and industrial problems, and demonstrate these skills that are currently used by technologists in society and education.
6. MA PR-4: Demonstrate ability to evaluate, propose and convey novel solutions to scientific and business problems.
7. MA PR-5: Demonstrate a sense of exploitation that enables students to pursue lifelong learning and currency in their careers in mathematics, statistics, education, high-tech and bi-tech industries.

**MATH DEGREE PROGRAM SLOs**

1. MA GE-1: Utilize algebraic skills to interpret and process quantitative data.
2. MA GE-2: Demonstrate familiarity with basic mathematical concepts & methods.
3. MA GE-3: Identify and classify functions by properties and applications areas.
4. MA GE-4: Develop skills to present, visualize and solve problems using mathematical modeling.

**MATH GE SLOs**

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2. MA GE-2: Demonstrate familiarity with basic mathematical concepts & methods.
3. MA GE-3: Identify and classify functions by properties and applications areas.
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The numbers are course SLO numbers that link the course to the program SLO (See UOG/CNAS/CNAS Assessment Website for detailed descriptions of these course SLOs by visiting: http://www.uog.edu/dynamodb/CNASAssessment.aspx?siteid=2k&p=20). Pending Faculty Input;

**MATH DEGREE PROGRAM-LEVEL ASSESSMENT**

**ASSESSMENT ACTIVITY**

1. Program Learning Objective Assessment using MA 411:
   - Demonstrate ability to use modern software, abstract thinking, and mathematical practices to direct the students to use purely mathematical methods in their solutions.

**ASSESSMENT RESULTS AND RECOMMENDATIONS FOR PROGRAM IMPROVEMENTS**

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DEVELOPMENTAL MATH ASSESSMENTS

**ASSESSMENT ACTIVITY**

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MATH CAPSTONE COURSE EVALUATION ASSESSMENT STUDIES

ASSessment ACTIVITY
1. MA411 Assessment Study Results Using Capstone Rubric
2. MA422 Assessment Study Results Using Capstone Rubric

Summary of Assessment Results

1. MA411 Assessment Study Results Using Capstone Rubric

Assessment Rubric for MA411 (Spring 2008)

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<th>Item</th>
<th>A1</th>
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<th>A3</th>
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Assessment Results Using Capstone Presentation Rubric

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MA 411 Assessment Results

MA 422 Assessment Results

2. MA422 Assessment Study Results Using Capstone Rubric

Assessment Rubric for MA422 (Spring 2008)

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