

Department of Mathematics and Statistics

Office or Department of Academic Affairs

Administrative Unit Assessment Report Information

Year Reporting: FY21 (July 2020 – June 2021)

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Department Mission and Goals

The mission and goals of the department should be consistent over a 5 year period, although some institutional changes may necessitate and prompt a change in mission or goals for specific departments. In this section, you will report the mission statement for your department as well as the long term goals (5 year range) for the department.

<p>6. What is the mission statement for this department/area? Your mission should explain why the department/area exists and who it serves.</p>	<p>The mission of the Department of Mathematics is to provide excellent instruction in mathematics where students gain knowledge of mathematics and mathematical thought processes, using their knowledge to produce and communicate mathematics. The department seeks to improve the critical thinking skills, mathematical aptitude, and mathematical appreciation of students at Middle Georgia State University through the offering of classes in mathematics as part of the Core Curriculum and other programs of the College. The department also offers a Bachelor of Science degree in Mathematics that focuses on the beauty and applicability of mathematics and instructs students in the rigor and precision that is characteristic of the subject. The Bachelor of Science degree in Mathematics is designed for students who plan to attend professional and graduate school in mathematics or who seek employment in mathematical related fields in the public and private sectors. The department is committed to serving the academic community and the general public by fostering an understanding of the power of mathematics and its role as an elemental mode of human reasoning.</p>
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<p>7. What are the goals for this department? These should be the "big things" the department/area intends to accomplish within 5 years.</p>	<ul style="list-style-type: none">*Continue to offer service and support courses that support the general mathematical knowledge of the university student community.*Expand the B.S. Mathematics program to include multiple concentrations.*Increase the reach of the department's programs through technology and innovative teaching methodologies.
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Objectives

Each year, every department should identify objectives the department hopes to accomplish in the next year. These should align with departmental goals and the MGA strategic plan. In the next section you will be reporting on the objectives you set and whether or not you achieved them in FY21. Later in the document you will report on objectives you hope to accomplish in the coming fiscal year, FY22.

Objective 1

8. Objective 1: What was this department's first objective for this fiscal year? Objectives should be specific, measurable, and achievable within one year.	Have healthy enrollment in all Mathematics programs offered by the department.
9. Objective 1: Detail how your department measured this objective? (Survey, budget number, number of participants, jobs completed, measurable time and/or effort)	Engage with students, find low cost ways to recruit and advertise the program, use professional advisors and faculty mentors. Have quality faculty capable of teaching competitive technical topics that learners are seeking.
10. Objective 1: What was your target outcome for this objective? (1.e. 80% participation, 5% enrollment growth, 7% change in engagement)	Have an enrollment of at least 75 students in the department's programs.
11. Objective 1: At what level did the department/area achieve on this objective? (This should be a number, i.e. 82%, 6%, 345 attendees, 75% engagement)	100% - enrollment in the B.S. Mathematics program was over 75.
12. Objective 1: Did your department meet this objective?	The department exceeded this objective.
13. Objective 1: What did your department learn from working toward this objective? What changes will you make based on this effort next year?	We will continue to utilize the strategies that worked to grow enrollment in the program with the hope of adding faculty to support its growth.

Objective 2

14. Objective 2: What was this department's second objective for this fiscal year? Objectives should be specific, measurable, and achievable within one year.	Revise curriculum so that students are prepared for work in industry, for graduate study, or to teach in secondary education environments.
15. Objective 2: Detail how your department measured this objective? (Survey, budget number, number of participants, jobs completed, measurable time and/or effort)	The Department's curriculum committee and full faculty met to review the curriculum throughout the year.
16. Objective 2: What was your target outcome for this objective? (1.e. 80% participation, 5% enrollment growth, 7% change in engagement)	Review current offerings, add new courses, revise current courses.
17. Objective 2: At what level did the department/area achieve on this objective? (This should be a number, i.e. 82%, 6%, 345 attendees, 75% engagement)	100 percent
18. Objective 2: Did your department meet this objective?	The department exceeded this objective.
19. Objective 2: What did your department learn from working toward this objective? What changes will you make based on this effort next year?	The department learned that there were opportunities to expand course options for students within the program.

Objective 3

20. Objective 3: What was this department's third objective for this fiscal year? Objectives should be specific, measurable, and achievable within one year.	Engage in scholarship that supports the mission of the department
21. Objective 3: Detail how your department measured this objective? (Survey, budget number, number of participants, jobs completed, measurable time and/or effort)	The department measured this objective by determining the percentage of full-time faculty with scholarship expectations who have engaged in significant scholarly activity as determined by departmental standards over the past year. Examples of activities include publishing in a journal, proceeding, or other peer-reviewed setting. Other activities include curriculum design, undergraduate research, or the creation of original material for regional mathematics competitions.
22. Objective 3: What was your target outcome for this objective? (1.e. 80% participation, 5% enrollment growth, 7% change in engagement)	At least 80% of faculty with scholarship expectations will engage in scholarship.
23. Objective 3: At what level did the department/area achieve on this objective? (This should be a number, i.e. 82%, 6%, 345 attendees, 75% engagement)	83.3 percent
24. Objective 3: Did your department meet this objective?	The department exceeded this objective.
25. Objective 3: What did your department learn from working toward this objective? What changes will you make based on this effort next year?	Our department continues to engage in scholarship in robust and varied ways.

Objective 4

26. Objective 4: What was this department's fourth objective for this fiscal year? Objectives should be specific, measurable, and achievable within one year.	Engage the community and institution in service.
27. Objective 4: Detail how your department measured this objective? (Survey, budget number, number of participants, jobs completed, measurable time and/or effort)	The department measured this objective by determining the percentage of full-time faculty who have engaged in significant service activity as determined by departmental standards over the past year. Examples include active participation on institution, school, or departmental committees. Other activities include involvement in community work that uses professional expertise, or other efforts that align with the mission of the department.
28. Objective 4: What was your target outcome for this objective? (1.e. 80% participation, 5% enrollment growth, 7% change in engagement)	At least 80% of faculty will engage in significant service activities.
29. Objective 4: At what level did the department/area achieve on this objective? (This should be a number, i.e. 82%, 6%, 345 attendees, 75% engagement)	94.7 percent
30. Objective 4: Did your department meet this objective?	The department exceeded this objective.
31. Objective 4: What did your department learn from working toward this objective? What changes will you make based on this effort next year?	The department learned that we are a great resource to the community and institution. We will use a calendar system to plan for capacity to serve. Our demand outpaces our resources. We pick the most impactful opportunities.

Future Plans

32. Please identify and detail three to four measurable objectives for the next fiscal year. In listing the objectives, please use the format shown in these examples.1) The Department of X will improve services levels by 5% as measured by our satisfaction survey. 2) The department of X will provide training in ABC for at least 73 MGA faculty and staff.	The Department will engage in at least 5 high quality scholarly activities in the next year. The Department will revise curriculum to ensure efficiency and demand are being met. The Department will strive to increase enrollment in its programs
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Open Box for Assessment Comments

<p>33. Based on this assessment, please share your thoughts on the current status and future direction of this department or area. Use this space to summarize overall use of assessment results for continuous improvement and open text box for assessment comments:</p>	<p>The department is poised for success. Our dual mission of educating all students of the university in basic level mathematics as well as those in the department's programs, is challenging. However, it is a mission that the faculty take seriously and do their best to fulfill.</p>
<p>37. If the COVID-19 pandemic impacted this assessment cycle, please provide specific details below.</p>	<p>For significant portions of the past year, faculty have worked from home. Laudable efforts by the faculty were made to keep things running as smoothly and normally as possible, but many departmental goals were affected by the lack of face-to-face faculty interactions. It's hard to measure the missed opportunities for collaborative scholarship and initiatives resulted from the pandemic.</p>

MGA's Strategic Plan

<p>34. Based on your goals and objectives listed above please indicate their connection with MGA's Strategic Plan (https://www.mga.edu/about/docs/Strategic_Plan_Overall_DB.pdf) by checking all associated and relevant Imperatives / Strategies from the list below. (Check all the apply)</p>	<p>Grow Enrollment with Purpose 1. Expand and enrich the face to face student experience, Grow Enrollment with Purpose 2. Expand and enrich online instruction into new markets, Own Student Success 3. Develop academic pipelines and expand degrees</p>
<p>35. Please indicate which of the following actions you have taken as a result of the 2020/2021 Assessment Cycle (Note: These actions are documented in reports, memos, emails, meeting minutes, or other directives within the reporting area) (Check all the apply)</p>	<p>Disseminating/Discussing Assessment Results/Feedback to Appropriate Members of the Campus Community, Process Changes: Improve, Expand, Refine, Enhance, Discontinue, etc. Operational Processes, Making Improvements to Teaching Approach, Course Design, Curriculum, Scheduling, other</p>

Other

<p>36. Please indicate (if appropriate) any local, state, or national initiatives (academic or otherwise) that are influential in the operations, or goals, and objectives of your unit. (Complete College Georgia, USG High Impact Practice Initiative, LEAP, USG Momentum Year, Low-Cost No-Cost Books, etc)</p>	
<p>38. Mindset Update (Academic Deans ONLY) Please provide an update on the implementation of your school based mindset plan/strategy. Include any adjustments to metrics for the AY20/21 as well as outcomes associated with your appraisal of your schools activities.</p>	