

Mission *New Mexico Highlands University is a public comprehensive university serving our local and global communities. Our mission is to provide opportunities for undergraduate and graduate students to attain an exceptional education by fostering creativity, critical thinking and research in the liberal arts, sciences, and professions within a diverse community.*

Vision *Our vision is to be a premier comprehensive university transforming lives and communities now and for generations to come.*

Department/Program: **CMS/Math**

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Strategic Goals for 2020 Planning for FY19-FY21	Unit Goals	Unit Actions/Strategies	Measurable Outcome(s)	Person(s) Responsible	Indicators and Time Frame for Assessment	Date(s) for Review
<p>1. Highlands University will achieve academic excellence, academic integration and student success</p>	<ol style="list-style-type: none"> 1. Increase student STEM success rate in Math 120 2. Increase student success rate in passing the math core 3. Modify the math minor and major to better serve the university 4. Enhance employability of students 5. Increase student competency 	<ol style="list-style-type: none"> 1. Incorporate PLATO software into Math 120 2. Encourage non-STEM students to take Math 145 3. Develop new courses to support the computer science program’s initiatives in Big Data, Machine Learning, and Cybersecurity 4. Develop an outcomes assessment plan that will provide a means of determining the students’ proficiency in meeting SLOs for each math course that is offered 5. Enhance and promote faculty development opportunities 	<ol style="list-style-type: none"> 1. Pre/post testing for Math 120 2. Track the number of non-STEM students taking Math 140 vs Math 145 3. Student satisfaction scores 4. Insure 80% or more of students will earn A or B in developmental courses 	<ol style="list-style-type: none"> 1. Department Chair 2. Math Outcomes Assessment Coordinator 	<ol style="list-style-type: none"> 1. PLATO software has been successfully incorporated into Math 120 by Fall 2019 2. At least 80% of non-STEM students are taking Math 145 by Fall 2019 3. Courses supporting computer science initiatives have been developed by Fall 2019 An updated outcomes assessment plan is completed by Spring 2019 5. At least 60% of students earn an A or B in developmental math courses by Spring 2020 	<p>1. AY 2020</p>
<p>Action Status w/Description (Achieved, Ongoing, Stop)</p>	<p>Completion Date(s)</p>	<p>Recommendation(s)</p>	<p>Challenge(s)</p>		<p>Budget Consideration (Yes / No)</p>	

<ul style="list-style-type: none">• Unit Goals 1,2,3,4,5 Ongoing• Unit Actions 1,2,3,4,5 Ongoing			<ul style="list-style-type: none">• Unit Action 5 is difficult to address without additional funding	Yes
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<p><i>2. Highlands University will achieve strategic enrollment management.</i></p>	<ol style="list-style-type: none"> 1. Increase the number of students majoring in math 2. Increase retention of students 	<ol style="list-style-type: none"> 1. Visit community colleges and other institutions to recruit 2. Develop an 8-week introduction to algebra course 	<ol style="list-style-type: none"> 1. The number of math majors and minors has increased 2. The number of students not passing Math 120 (D or F) drops 	<ol style="list-style-type: none"> 1. Department Chair 	<ol style="list-style-type: none"> 1. The number of math majors and minors has increased by Fall 2019 2. Offer an 8-week introduction to algebra course by Fall 2019 	<ol style="list-style-type: none"> 1. AY 2020
<p>Action Status w/Description (Achieved, Ongoing, Stop)</p>	<p>Completion Date(s)</p>	<p>Recommendation(s)</p>		<p>Challenge(s)</p>		<p>Budget Consideration (Yes / No)</p>
<ul style="list-style-type: none"> • Unit Goal 1, 2 Ongoing • Unit Actions 1,2 Ongoing 		<ul style="list-style-type: none"> • 		<ul style="list-style-type: none"> • 		<p>Yes</p>

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<p>3. <i>Highlands University will achieve a vibrant campus life.</i></p>	<p>1. Establish positive presence to university and community</p>	<p>1. Math Club 2. Math Seminars 3. Guest Speakers</p>	<p>1. Survey faculty and students for impressions</p>	<p>1. Department Chair</p>	<p>1. A Math Club is established by Fall 2019 2. Conduct at least one math seminar during the Fall 2019 semester</p>	<p>1. AY 2020</p>
<p>Action Status w/Description (Achieved, Ongoing, Stop)</p>	<p>Completion Date(s)</p>	<p>Recommendation(s)</p>	<p>Challenge(s)</p>	<p>Budget Consideration (Yes / No)</p>		
<ul style="list-style-type: none"> • Unit Goal 1 Ongoing • Unit Actions 1,2,3 Ongoing 		<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • No 		

Strategic Goals for 2020 Planning for FY18-FY21	Unit Goals	Unit Actions/Strategies	Measurable Outcome(s)	Person(s) Responsible	Indicators and Time Frame for Assessment	Date(s) for Review
<p>4. <i>Highlands University will be a community partner.</i></p>	<p>1. K-12 Outreach 2. Get involved in a local science fair and/or MESA</p>	<p>1. Visit local K-12 schools 2. Investigate the possibility of running a math competition for the community and/or local science fair</p>	<p>1. Document the visits to local K-12 schools and the feedback we get from such visits 2. Draft math competitions exams</p>	<p>1. Department Chair</p>	<p>1. Visit at least one local high school by Fall 2019 2. At least one math instructor serves as a judge in the Northeastern Regional Science Fair and/or participates in a MESA activity by Spring 2020</p>	<p>1. AY 2020</p>
<p>Action Status w/Description (Achieved, Ongoing, Stop)</p>	<p>Completion Date(s)</p>	<p>Recommendation(s)</p>	<p>Challenge(s)</p>	<p>Budget Consideration (Yes / No)</p>		
<ul style="list-style-type: none"> • Unit Goal 1,2 Ongoing • Unit Actions 1,2 Ongoing 		<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • 	<p>NO</p>		

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<p>5. <i>Highlands University will achieve technological advancement and innovation.</i></p>	<p>1. Increase the use of technology in our math courses</p>	<p>1. Incorporate the use of PLATO in Math 120 2. Use graphing calculators in the Math 160 lab to plot data and functions and perform regression analysis</p>	<p>1. Track the percentage of students that are comfortable using math software and/or graphing calculators.</p>	<p>1. Department Chair</p>	<p>1. The use of graphing calculators is incorporated into the Math 160 lab by Fall 2019 2. By Spring 2020 at least 80% of students feel comfortable using math software and/or graphing calculators.</p>	<p>1. AY 2020</p>
<p>Action Status w/Description (Achieved, Ongoing, Stop)</p>	<p>Completion Date(s)</p>	<p>Recommendation(s)</p>	<p>Challenge(s)</p>	<p>Budget Consideration (Yes / No)</p>		
<ul style="list-style-type: none"> • Unit Goal 1 Stop • Unit Actions 1,2 Ongoing 		<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • No 		

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<p>6. <i>Highlands University will achieve enhanced communication and efficiency.</i></p>	<p>1. Establish better communication with other departments concerning how math program can better serve this institution</p>	<p>1. Schedule regular meetings with department chairs and interested faculty</p>	<p>1. Document meetings and the feedback we get from meetings</p>	<p>1. Department Chair</p>	<p>1. By Fall 2019 the Department Chair has met with each department in the College of Ars & Sciences</p>	<p>1. AY 2020</p>
<p>Action Status w/Description (Achieved, Ongoing, Stop)</p>	<p>Completion Date(s)</p>	<p>Recommendation(s)</p>		<p>Challenge(s)</p>		<p>Budget Consideration (Yes / No)</p>
<ul style="list-style-type: none"> • Unit Goal 1 Ongoing • Unit Action 1 Ongoing 		<ul style="list-style-type: none"> • 				<p>No</p>