

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: **NMHU Main Campus - Physics**

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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>	<p>a. Students will successfully complete their Physics course needs for their degree b. Students will pass the professional exams required for their graduate plans</p>	<p>a. Work with ARMAS to provide the help needed for understanding the material b. Peer mentors will be available for students in Physics classes c. Online help such as chegg.com will be made available for student use</p>	<p>a. At least 85% of the students in the Physics classes will receive an 'A,' 'B' or 'C' as a grade b. At least 70% of the students will be accepted into Engineering degree programs at other NM universities c. At least 70% will score highly on the Physics/Physical Science section of the professional exams such as MCAT, PCAT, LSAT and GRE</p>	<p>a. Physics personnel</p>	<p>a. Incorporate comments from student evaluation of students to see where students are having problems. b. Monitor Student progress at after mid-term and intervene as necessary. c. NMHU and the Physics program will monitor students who were enrolled in the Engineering program after they leave NMHU 4. NMHU and the Physics program will remain in contact with students who take professional exams</p>	<p>a. Every January and September</p>
<p>Action Status w/Description (Achieved, Ongoing, Stop) - Ongoing</p>	<p>Completion Date(s)</p>	<p>Recommendation(s)</p>	<p>Challenge(s)</p>	<p>Budget Consideration (Yes / No)</p>		
		<p>a. For the Spring 2018 and Fall 2018 terms, 94.5% (52 of 55) students received a passing grade of either A, B or C. b. One student of the four who took the PHYS 291/292 Calculus sequence transferred to UNM's</p>	<p>Engineering students transferring before obtaining AA from NMHU; lack of program funding</p>			

Engineering program.
 c. Three students who took the GRE exam scored at least 70A% on the Physical Science portion of the general exam.

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2. <i>Highlands University will achieve strategic enrollment management.</i>	Recruit into the Calculus Physics sequence more CS, Science BS and Math students	Work with other majors to incorporate the Calculus Physics sequence into their major curriculum	Increase in the number of students enrolling in PHYS 291/292	a. Physics personnel	Increased number of CS, Biology and math students taking PHYS 291/292	Every January and September
Action Status w/Description (Achieved, Ongoing, Stop) - Ongoing	Completion Date(s)	Recommendation(s)	Challenge(s)	Budget Consideration (Yes / No)		
		Hire highly qualified instructors that are highly qualified to teach PHYS 291/292 that would not have a discouraging impact on HU students.	a. Many science programs at NMHU are restructuring their BA degrees and not requiring a Physics requirement for graduation. b. The Engineering AA program seems to have lost its direction and many of the Pro-engineering student who would enroll in the Physics 291/292 sequence are not coming to HU.	-		
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3. <i>Highlands University will achieve a vibrant campus life.</i>	The creation of a Chess Club for NMHU students	1. Work with ARMAS to provide club meeting rooms 2. Secure funding for	1. Active participation of NMHU students in club activities and	1. Physics personnel 2.	1. Chess club continuing to draw current and new	1. Every September 2. 3.

- club members to travel to local and national events and tournaments
- 4.
- tournaments.
- 2. Improving finishing positions of club members at chess tournaments
- 3.
- 3.
- members to its activities
- 2. Improved ELO chess ratings of the club members
- 3. At least one top three finishings by a club member in a tournament during the AY

Action Status w/Description (Achieved, Ongoing, Stop)	Completion Date(s)	Recommendation(s)	Challenge(s)	Budget Consideration (Yes / No)
Ongoing		Six complete chessboards and pieces were donated to ARMAS; Students are using these chess sets to have games in the afternoon and evening.	Finding times when a fair number of student could meet for the club	

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4. Highlands University will be a community partner.	1. Hold Astronomy Open Houses in the NMHU observatory 3.	1. Visit area schools to recruit visitors 2. Publish notices in the local newspaper of club events and activities 3. New and varied activities planned every 2 months	1. Number of participating community members/local students in these meetings and events 2. 3.	1. Physics personnel 2. 3.	1. The number of attendees remain steady or increase 2. 3.	1. After every meeting or scheduled activity 2. 3.

Action Status w/Description (Achieved, Ongoing, Stop)	Completion Date(s)	Recommendation(s)	Challenge(s)	Budget Consideration (Yes / No)
Stop	May 2018	Find a qualified person to lead these events	The person who originally agreed	

to host these viewing seems to have lost interest in this activity.

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<p>5. <i>Highlands University will achieve technological advancement and innovation.</i></p>	<p>1. To modernize the Physics experiment offerings by replacing the 60-80 year-old equipment now being used with newly purchased lab equipment</p> <p>2. Increase the student access to computers during the lab exercises</p> <p>3. To increase the number of lab experiments that include computer assisted capabilities</p> <p>4. To incorporate more internet activities and visualization into the current lab structure</p>	<p>1. Obtain the funding new lab equipment and computers</p> <p>2. Increase the computers and capabilities available within the Physics department</p> <p>3. Obtain the internet bandwidth needed for the online activities</p> <p>4. To provide training opportunities for Physics instructors to use this modern technology</p>	<p>1. Students becoming more proficient and familiar with computer aided experiments</p> <p>2. Student participation in online activities</p> <p>3. Physics instructors re-writing current lab exercises to include the modernized equipment</p> <p>4. Physics instructors proficient and comfortable in using the new equipment</p> <p>5. Increase number of students using computers assisted technology to complete their lab exercises</p>	<p>1. Physics personnel</p> <p>2.</p> <p>3.</p>	<p>1. The number of student and instructor questions about the use of the equipment will decrease during the term</p> <p>2. Lab reports will show the proficiency in using computer assisted lab equipment by the inclusion of graphs/tables/results of simulation that were computer generated</p> <p>3.</p>	<p>1. Every September</p> <p>2.</p> <p>3.</p>
<p>Action Status w/Description (Achieved, Ongoing, Stop) Ongoing</p>	<p>Completion Date(s)</p>	<p>Recommendation(s)</p>	<p>Challenge(s)</p>	<p>Budget Consideration (Yes / No)</p>		
<p>-</p>	<p>-</p>	<p>Obtain the funding needed to achieve these</p>	<p>a. The Physics department has</p>	<p>-</p>		

goals

not been allocated any funding (\$0.00) for the past 5 years.
 b. The goal of replacing older Physics equipment needs to be given more of a priority since the NM HED that all schools need to have in place for proper articulation of lower level classes between schools is the academic outcome of having modern lab equipment that students have access to.

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>6. Highlands University will achieve enhanced communication and efficiency.</p>	1.			1.	
<p>Action Status w/Description (Achieved, Ongoing, Stop)</p>	Completion Date(s)	Recommendation(s)		Challenge(s)	Budget Consideration (Yes / No)
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