



New Mexico State University
New Initiatives Supporting Vision 2020 Goals and Objectives
For Allocation of President’s Performance Fund – Fiscal Year 2013-2014

Date of Request:	Tuesday, September 24, 2013	
Submitted By:	Ann Bock, PhD, RD, LD	Phone: 575-646-1178
College or Unit:	Agricultural, Consumer and Environmental Sciences	
Department:	Family and Consumer Sciences	
Project Name: (Short description): Virtual Labs for Classes		
<input type="checkbox"/>	Recurring for:	Amount Recurring Funding Requested per year:
	<input type="checkbox"/> One Year	Year 1: \$ 15,000
	<input type="checkbox"/> Two Years	Year 2: \$ 15,000
	<input checked="" type="checkbox"/> Three Years	Year 3: \$ 15,000
<input type="checkbox"/>	Non-Recurring	Amount Non-Recurring Funding Requested: \$
Description of request		
<p>Students in Human Nutrition and Dietetic Sciences at NMSU would strongly benefit from necessary hands-on experience with equipment, calculating formulations and conducting assessments, particularly when they enroll in online courses. The Academy of Nutrition and Dietetics (AND) has expressed interest in the potential of training simulations for the many specific processes needed by dietetic and nutrition students when working with clients, and for good reason. Students enrolled in dietetic classes at NMSU are required to take at least one online class. Some courses, such as Diet Therapy 2, are <i>only</i> offered online, making it difficult to provide the hands-on training helpful for conducting required assessments. This type of training is crucial for those students seeking internships, and essential for preparation for the National Registration Exam to become a registered dietitian. As part of their exit exam at NMSU, the program requires that students respond to questions regarding these processes, and have identified them as a gap in existing instruction, particularly for students in online classes.</p> <p>We propose development of three sets of virtual labs specific to the training of students in nutrition and dietetics.</p> <ul style="list-style-type: none"> - Self- glucose monitoring: showing the process for operating equipment, interpreting results, and teaching clients how to do so. - Nutrition assessments: including several processes such as stadiometry and skinfold measurements. - Solutions developments: such as calculation of tube feeding total parenteral nutrition solutions. <p>Developing these solutions accurately is critical for students and must include goal rate and adjustment of flow rate over time.</p> <p>All modules would give users the opportunity to interact with equipment, and 'use' virtual equipment. Where appropriate, photos and videos will supplement animation and graphics. Modules will be designed similar to those available at virtuallabs.nmsu.edu by the multimedia development team at Media Productions, and will be made freely available to NMSU students, as part of in class, out of class or online instruction. All modules will be tested frequently throughout development for usability and appeal, and will be developed with faculty for accuracy. Final modules will be offered to students. Student performance on final exam questions related to this content will be compared to grades in previous classes (with the same professor) that have not had access to the modules. In addition, a small sample of students will be observed after using the modules, while the procedures under the supervision of faculty, and assessed for accuracy.</p> <p>In addition to serving our students, these modules are be powerful prototypes for requesting funding from the Academy of Nutrition and Dietetics and other funding agencies for development of additional, related modules. Modules would also be appropriate for students in-service, and Extension training.</p>		

2014 Budget Form – President’s Performance Fund

Request Justification	
Support Vision 2020 Goals (select as many Vision 2020 goals as apply below).	
<input checked="" type="checkbox"/>	1. Graduation – Teaching, Learning & Programs - Provide effective academic programs, stellar teaching and learning, and enhanced student engagement to advance highly capable graduates
<input type="checkbox"/>	2. Diversity – Be a model of student, faculty and staff diversity at all levels
<input type="checkbox"/>	3. Internationalization - Effectively prepare students for a global society
<input checked="" type="checkbox"/>	4. Research & Creative Activity -- Be the catalyst for promoting discovery, encouraging innovation, sparking economic advancement, and inspiring creative achievement
<input type="checkbox"/>	5. Economic Development -- Be a driving force for economic progress in New Mexico
<input type="checkbox"/>	6. Resource Stewardship -- Increase philanthropy and alternative revenue to support teaching, research and service
<input checked="" type="checkbox"/>	7. Community - Service, Extension & Outreach -- Be a model for community engagement at all levels through innovative and exceptional outreach activity
<input type="checkbox"/>	Specific objectives: (Complete attached Performance Data Matrix)

Approvals (please print and sign)			
Submitted by	Margaret Ann Bock, PhD, RD, LD		9/24/2013
	Print	Signature	Date
Director/ Department Approval	Esther Devall		9-26-13
	Print	Signature	Date
College Dean/ Division VP Approval	_____	_____	_____
	Print	Signature	Date

Internal Use Only				
University Budget Committee:	Tier Assignment:	<input type="checkbox"/> Tier I	<input type="checkbox"/> Tier II	<input type="checkbox"/> Tier III
	Ranking No.:	_____	Date:	_____
Comments:				
President’s Academic Council:	<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved	Date: _____	
	Comments:			

2014 Budget Form – President’s Performance Fund, supplement

**New Mexico State University
New Initiatives Supporting Vision 2020 Goals and Objectives
Performance Data Matrix
Fiscal Year 2013 - 2014**

The Vision 2020 Strategic Plan provides goals, objectives and key performance indicators for the University. Using the goal(s) you have check marked on the request form, please indicate which of the stated objectives this request is projected to positively impact, how the request is tied to the selected objective and propose a performance measure(s). Then indicate the target performance improvement goals over an annual timeline not to exceed three (3) years. Add rows as needed. All Presidents’ Performance Fund awards are subject to annual review of comparative performance as a condition of continuing award. The required conditions of continuing funding will be identified at the time of award from the President’s Performance Fund.

Goal Number	Vision 2020 Objective	Explain how request is tied to this objective	Performance Measure	FY2013-2014 Target	FY2014-2015 Target (if applicable)	FY 2015-2016 Target (if applicable)
1. Graduation – Teaching, Learning & Programs	2. Provide strong academic programs through continuous innovation and evaluation	These innovative virtual lab modules will give students, such as those enrolled in classes that are only offered online classes, such as Diet Therapy II, a way to gain hands-on training crucial to qualifying for internships, and the National Registration Exam to become a registered dietitian and for acceptance into the internship program.	Student performance on final exam questions related to this content will be compared to grades in previous classes (taught by the same professor) that have not had access to the modules. In addition, a small sample of students will be observed after using the modules and assessed by the supervising faculty for accuracy.			
1. Graduation – Teaching, Learning & Programs	1. Provide a learning environment and course offerings supportive of timely degree completion.			In each of the 3 years, and for each of the 3 modules: students with access to the modules will show 20% increased proficiency in the content covered by the virtual lab when compared to students who did not use the modules.		