

New Mexico State University			
I&G Equipment Funds for University Priorities			
Final Awards for FY2014			
Reversion Date: December 31, 2014			
College/ Unit	Item Requested	Description of Request	Approved Amount
A&S	BIOLOGY. 14 Leica DM500 microscopes	New microscopes would be vastly better for students.	\$ 19,880
A&S	CREATIVE MEDIA. 7 Panasonic AG-AC90 AVCCAM handheld camcorders	Students need new camcorders in Cinematography I classes.	\$ 12,313
A&S	MATHEMATICAL SCIENCES. 17 HP computers	Will be used in the department's computer lab.	\$ 13,419
A&S	ASTRONOMY. 1 Coronado Solar Max double stack telescope and mount	This sun telescope to be used for student instruction in introductory Astronomy classes.	\$ 2,099
A&S	COMPUTER SCIENCE. 12 Linux work stations.	These stations to be used in CS student offices.	\$ 20,676
A&S	ENGLISH. 1 projector, control system, PC and iMAC	This is a combined equipment request for a project in which ICT would cover room renovation costs to upgrade CBW 229 for class/seminar use.	\$ 6,719
A&S	JOURNALISM AND MASS COMMUNICATIONS. 5 iMac computers for introductory classes	The department will re-cycle older computers out of photo-journalism lab	\$ 7,495
A&S	PHYSICS. 1 EM Apparatus	To be used for class experiments in PHYS 212L, PHYS 214L, and PHYS 216L. It measures the ratio of an electronic charge over an electronic mass.	\$ 1,995
A&S	COMMUNICATION STUDIES. 12 Compaq computers	To be added to the Speech class lab.	\$ 8,688
A&S	ART. 1 Brent's Potter Wheel	To be used by the new ceramics professor and will upgrade student opportunities in ceramics classes.	\$ 1,468
A&S	BIOLOGY. 1 Fisher ultra-low-80 freezer	Essential for class use specimens. Currently class specimens are rotated among over-full research grant freezers because course freezers have failed.	\$ 16,190
A&S	CHEMISTRY AND BIOCHEMISTRY. 2 rotary evaporators plus 2 pumps for them and 2 pumps for existing evaporators	These course evaporators and their pumps are vital for CHEM 315. Replacing the pumps in 2 existing aspirators would save water.	\$ 14,335
A&S	BIOLOGY. 21 Lenovo Thinkpad laptops.	These would be used in microbiology lab courses.	\$ 12,344
A&S	GEOLOGICAL SCIENCES. 2 polarizing microscopes	The microscope course lab has 16 seats, but only 13 operating polarizing microscopes. This equipment would allow 15 seats to be filled.	\$ 9,720
A&S	THEATRE ARTS. 1 Kurzweil compact upright digital piano	The department needs a better piano for its musical theatre productions.	\$ 4,299
A&S	ART. 1 Bailey direct-to-outside exhaust motor	This is an important safety need for ceramics courses.	\$ 1,750
A&S	CREATIVE MEDIA. 3 Panasonic AG-AF100 starter kit cameras	Students need new cameras for beginning and advanced cinematography and film production classes.	\$ 14,085
A&S	ART. 2 HEPA air cleaners	These ceramic dust filters will provide important safety improvements for ceramic courses.	\$ 3,997
A&S	ART. 1 Multi-media teaching station in CFTA 210	This art history visual projector will strengthen student learning in the new CFTA building.	\$ 5,573
A&S	ART. 1 PUK04 Micro welder	Will augment jewelry and metals courses.	\$ 5,400
A&S	CHEMISTRY AND BIOCHEMISTRY. 1 portable gas chromatograph	Will strengthen student learning experiences in synthetic organic chemistry.	\$ 1,820
A&S	HISTORY. 1 Lenovo M82-3302 computer.	Will be used to edit and process digital humanities projects for public history courses.	\$ 759
A&S	PHYSICS. 1 Torsional Oscillator	Will be used in demonstrations in undergraduate and graduate Mechanics classes.	\$ 3,450
A&S	CREATIVE MEDIA. 1 Blackmagic design production cameras	Students need new cameras for advanced cinematography and film production classes.	\$ 4,395
A&S	THEATER ARTS. 1 laser cutter	Will allow precise cutting for scenes and lighting.	\$ 3,550
A&S	ART. 1 CNC Plasma Cutting Table	Will greatly strengthen CAD and cutting in a number of courses.	\$ 11,815
A&S	BIOLOGY. 2 Pettersson bat detectors	To be used in field courses that track bats and the fungi that kill bats.	\$ 3,306
A&S	BIOLOGY. 4 i-Lab spectrophotometers with surface reader adapters containing basic datalogger software owned by NMSU.	Will be used in plant and animal behavior classes to assess photosynthesis, animal health and signaling, and other color-based data.	\$ 10,640
ACES	Equipment for ACES in the Hole program	For most needed equipment for ACES in the Hole program	\$ 75,000

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ACES	Dissecting Microscope		\$ 1,370
ACES	Freezer	Ultra-Low Temperature Upright Freezer	\$ 6,930
ACES	Nanophotometer	Entomology	\$ 11,250
ACES	PCR Instructional Lab Package	Piko Thermal Cycler TCP0096	\$ 6,100
ACES	Microcentrifuge	VWR 5424R	\$ 5,792
ACES	Band Saw	Skyfood Equipment Floor Model - Meats Lab	\$ 1,971
ACES	Meat Grinder	Food Machinery of America 20815 - Meat Lab	\$ 1,289
ACES	Planter and Roller	Cone Planter and Bed Roller	\$ 34,694
ACES	Extruder		\$ 16,104
ACES	Cyotocentrifuge System		\$ 4,700
ACES	Feed Wagon	Kuhn Feeder / Mixer Wagon	\$ 40,400
ACES	Plotter	Large format plotter HP 800PS - Excluded ongoing	\$ 4,950
ACES	Bleachers	Bleachers for horse classes	\$ 3,163
Business	Multimedia computer	Multimedia computer to expand the availability of this resource to students in the Business Complex computer lab	\$ 1,190
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Business	Mirametrix Studio Package: S2 + EyeMetrix	This is eye-tracking equipment and software (used in combination) for the new behavioral lab in the Business Complex	\$ 8,900
EDU	Audiometer	The Grason Stadler GSI-61 is a two-channel clinical audiometer with both status and audiogram screen layouts for data presentation used in instructional settings.	\$ 11,366
EDU	Grason-Stadler Portable Audiometers	2@ \$1,136, portable so students can do hearing screenings at the schools.	\$ 2,272
EDU	Otoacoustic Emissions (OAE) and Auditory Brainstem Evoked Response	This portable hand-held device will allow us to test infants in rural communities that cannot otherwise access healthcare due to transportation, language or financial hardship.	\$ 21,275
EDU	Digital Oscopes	Digital otoscope for teaching and clinic use. Oscope Hardware \$1620.00. Mini Fiberoptic \$230.00 Dell laptop for viewing and capturing images, \$1500.00.	\$ 3,350
EDU	Kistler Multi-Axial Force Plate	Needed for instruction of Kinesiology & Athletic Training Majors	\$ 21,000
EDU	Portable Classroom Seating	Retractable seating for 4 sets of 50 seats bank each costing \$21,500 per bank	\$ 87,081
EDU	Optitrack Motion capture system	Needed for instruction of Kinesiology & Athletic Training Majors	\$ 7,527
EDU	Cannon XH-A1S Video Camera	Dance performance and production instruction. Dance performance critique classes. Live stream Biomechanics to UNM	\$ 4,299
EDU	Talk Solution System for ClinicVideo Monitoring System	6 @ \$1,300 each Video monitoring system to provide clinical teaching during the therapy session	\$ 7,875
ENG	3D Printer	Develop designs and print prototype parts in plastic; access to current industry technologies	\$ 49,610
ENG	Electronics	Advanced Electronics Lab state of the art test and measurement equipment.	\$ 145,010
ENG	Ultrasonic Flow Meter	Allow new fundamental experiments to be developed for Aerofluids Laboratory	\$ 4,638
ENG	Nano Satellite	Support proposed undergraduate specialty area in space systems and avionics	\$ 87,034

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ENG	Hydraulics Bench	Demonstrates the properties of fluids and their behavior under hydrostatic conditions	\$ 63,096
ENG	Shaker-Vibrometer	Experimental model testing, flight dynamics and control, aerospace structures and aerodynamics.	\$ 60,080
ENG	Heat Transfer	Experimental unit for quantifying heat conduction	\$ 11,304
EVP / Provost	80 " flat screen TV for Media Technology	Provides on site ITV students a view of power point slides, document camera display, and videoclips and movies	\$ 4,498
HSS	Two 55" LCD Multi-Touch monitors	55"LCD monitor with document sharing and teleconference capability	\$ 10,718
HSS	Blood Analyzer	LeadCare II Blood Lead Analyzer equipment for Nursing simulation lab	\$ 2,251
HSS	Dual-sex torso	Nasco Deluxe Dual-Sex Torso with opened neck and back for Nursing simulation lab	\$ 1,707
HSS	Ophthalmoscope and otoscope set	Welch Allyn Charger Desk Set with coaxial ophthalmoscope, otoscope, lithium ion for Nursing simulation lab	\$ 1,084
HSS	Two IV arm simulators	IV arm simulators for Nursing simulation lab	\$ 4,800
HSS	Two Vital signs monitors	Welch Allyn Vital signs monitors for Nursing simulation lab	\$ 7,862
HSS	CS Monitor w/ECG	Welch Allyn Propaq CS Monitor with ECG for Nursing simulation lab	\$ 4,410
Library	InPower Bar (2 tables)	Charging stations: "Plug and play" modular counter system designed to provide functional work/charging stations for public use spaces. Includes AC, USB, and wireless charging capability.	\$ 14,650
Library	Atiz BookDrive Mini (1scanning system)	Book Scanner: To support library digital projects. Specialized book scanner that addresses problems with page curvature and potential damage to books, especially important when scanning rare and archival materials.	\$ 10,105
President	Completion of upgrade to HH 130 Conference Room	Items needs to complete the upgrade to conference 130 in Hadley Hall including conference table and equipment cabinet.	\$ 5,800
SVPAF	ICT equipment priorities	UBC approved a lump-sum for ICT highest equipment priorities such as firewalls, Tape backup capabilities, VPN Appliance, Storage area network capacity.	\$ 500,000
SVPAF	Roland VS-640 Cutter/Plotter withVersaWorks software:	Vinyl cutter capable of producing banners up to 60" wide with photos, logos, and complex graphics as well as printing and cutting stickers and decals, posters for events, directional signs, vehicle and wall graphics, and window signage.	\$ 20,995
SVPAF	Tennant R-14 Ride-On Dual Technology "Ready Space" and Extraction Machine.	Equipment is required to assist NMSU achieve its Green Cleaning and Sustainability initiatives, utilizing the LEED-EB Operations and Maintenance Rating System.	\$ 13,158
SVPAF	Formaldemeter HTV gas meter	Current instrument does not hold calibration and is needed for real time formaldehyde air monitoring.	\$ 2,335
SVPEXT	Production Audio intercom system.	The intercom system allows for two-way communication between newscasters, talent, control and camera operators during live and recorded TV production.	\$ 32,956
SVPEXT	Two (w) Ford Pursuit Inteceptor sedan patrol vehicles	Will be utilized to respond to emergency calls for assistance and carry all necessary equipment.	\$ 77,000
SVPEXT	Three (3) Motorola XPR8400 136-174 MHZ Radio Repeaters	To improve the officer's radio reception throughout the department's jurisdiction, enhancing officer safety.	\$ 10,875
SVPEXT	Five (5) Taser X2 less than lethal force option	To replace existing Taser X26s that are approximately eight years old. Will provide a less than lethal use of force option to officers in the field.	\$ 7,425
VPR	Backscatter Detector for SEM	Acquire new imaging capability by adding a five-channel backscatter detector to the scanning electron microscope in the Common University Research Resource Lab.	\$ 6,240

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VPSAEM	Server	The server to support Instant Messaging which is an important communication tool for SAEM staff who are serving students who have questions and needs that encompass many of the departments in the division. IM capability allows the staff to be responsive to students, families and the general public.	\$ 6,026
VPSAEM	30 desktop computers in new lab	Create a 30-computer lab at Albuquerque Center with current technology to provide a better educational experience and allow students to complete assignments and perform research in an optimal setting.	\$ 31,099
VPSAEM	HP DesignJet Z3200 Photo Printer	Will provide for cost efficient and timely in-house production of marketing materials for SAEM's student service retention efforts for several units (Campus Tutoring Services, Student Success Center, Career Services, Aggie Welcome and Orientation, Freshmen Year Experience, etc).	\$ 3,876
VPSAEM	6 Passenger Golf Cart	Golf carts are used by this department to give prospective students and their families campus tours on a daily basis. National and local student surveys indicate that campus visits are one of the primary determining factors in a student's decision to attend any school, and particularly NMSU.	\$ 11,145
Total			\$ 1,825,005