

# Minnesota State University, Mankato

## FY2012 Institutional Equipment Prioritization Work Group Recommendations

**FY2012 Institutional Equipment Spending Budget Target**    \$1,000,000  
**Less: Prioritization Work Group Recommendation Running Total**    \$1,011,131  
**Difference**    **(\$11,131)**

**Report Date: August 31, 2011**

**Prioritization Work Group Members:**

- Steve W. Smith, **Chair, Finance & Administration (Administrator)**
- David Cowan, **Facilities Services (Managerial)**
- Kimberley Greer, **Sociology & Corrections (IFO soon to be Administrator)**
- John Knox, **College of Science, Engineering, & Tech. (Administrator)**
- Alexey Lazar, **ITS (MAPE)**
- Sandra Loerts, **Student Financial Services (MSUAASF)**
- Michael Peters, **Physics & Astronomy (MGEC)**
- Colleen Royle, **School of Nursing (IFO)**
- Warren Sandmann, **Academic Affairs (Administrator)**
- Daardi Sizemore, **Library Services (IFO)**
- Helen Walters, **Facilities Services (AFSCME)**

**Items Recommended for Funding By Prioritization Work Group**

Item #	Divisional Priority	Division	Departmental Unit	Equipment / Furnishing Description	Rationale	Match	Quantity	Unit Price	Total Request	Recommended for FY12 Inst Equip Funding	Recommended for FY12 Inst Equip Funding Running Total	Comments
A	B	C	D	E	F	G	H	I	J	K	L	M
1	1	Academic & Student Affairs	College of Allied Health and Nursing	Student Tablet Arm Chairs for Pennington Hall (PH110:48; PH112: 40; PH114: 48; PH116: 30)	Majority are broken and not repairable		166	\$192	\$31,792	Yes	\$31,792	
2	2	Academic & Student Affairs	College of Education	Chairs for Armstrong Hall 234	Reconfigure classroom space to improve efficiency; currently outdated		33	\$330.72 plus \$218 handling fee	\$11,132	Yes	\$42,924	
3	3	Academic & Student Affairs	Modern Languages	Convert AH 221 classroom to language lab	Labs provide the most efficient means to incorporate all the different language skills efficiently & in context. Most of our work in the classroom is based on real-life situations, best available in a multi-media digital lab. We use the GLL during all prime and off prime hours and still need access to the technology for more classes.			Electrical Conv. \$5,000 tables \$15,000 chairs \$12,000 computers \$42,000 security \$1,500 inst. Workshop \$1,200 Networking \$3500	\$80,200	Yes	\$123,124	Is this part of the "FY11 1-Time Money" request for Wayne Sharp? It is believed that this proposal is separate from the \$920K "Classrooms of the Future" one-time reinvestment funding proposals.
4	4	Academic & Student Affairs	Math and Stats	Smartboard, projector, control panel, computer, elmo etc.	One of the Math 098 rooms (ML 101) needs a smartboard and other technology. The other rooms already have this set up.		1	\$14,000	\$14,000	Yes	\$137,124	Is this part of the "FY11 1-Time Money" request for Wayne Sharp? It is believed that this proposal is separate from the \$920K "Classrooms of the Future" one-time reinvestment funding proposals.
5	5	Academic & Student Affairs	College of Social and Behavioral Sciences	Instructional Equipment for CSBS Classrooms, AH 211, AH 232, and TN 372: white boards (AH 211), two Smartboards (AH 211 and AH 232) and one Panasonic, HDMC-TM 700 HD Camcorder (TN 372)	Updating these three CSBS classrooms will allow faculty members to utilize smartboard technology and to videotape and playback student clinical practice interview sessions. The whiteboards will prevent health concerns a faculty member is experiencing because of chalk dust.	\$750		\$7,750	\$7,000	Yes	\$144,124	Is this part of the "FY11 1-Time Money" request for Wayne Sharp? It is believed that this proposal is separate from the \$920K "Classrooms of the Future" one-time reinvestment funding proposals.

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6	6	Academic & Student Affairs	Speech, Hearing and Rehabilitation Services (CDIS)	Pediatric Endoscope Model 49-4928; G-3 LED light source Model 99-7740;Fiberoptic cable Model 99-8056;Video System Model 70-6350;Video Capture Device (Elgato systems)	This equipment is necessary for training Speech-Language Pathology Master's students to conduct flexible endoscopic examinations, which are conducted on patients with voice, resonance, and swallowing disorders. The equipment will be used on simulation mannequins in the Nursing Simulation Lab	\$4,000	1	\$9,370	\$5,370	Yes	\$149,494	
7	7	Academic & Student Affairs	College of Education	Chairs and tables for Armstrong Hall 303	Reconfigure classroom space to improve efficiency; currently outdated		40 chairs and 16 tables	\$357.22 (chairs), \$695.52 (tables) and \$508 handling fee	\$25,926	Yes	\$175,420	
8	8	Academic & Student Affairs	English	Chairs and tables and wiring for Armstrong Hall 203	The request is to give Armstrong 203 the same room design as Armstrong 204. There are two reasons for this request. One is efficacy of instruction. AH 203 and AH 204 are used heavily for English 101, Composition. Instructors agree that the table arrangement in AH 203 makes it difficult for them to see what students are doing and to work with students individually, and the arrangement also makes it difficult for students to work together. The arrangement in AH 204 makes interaction between student and instructor and among students much easier. The other reason is the safety of students and the preservation of university property. In AH 203 the power cords run under the tables, and it is all too common for students to kick the cords loose, causing entire tables of computers to lose power and creating the risk of injury to students.		Wayne Sharp estimates the cost of the chairs, tables, and re-wiring to be \$25,000.	\$25,000	\$25,000	Yes	\$200,420	Is this part of the "FY11 1-Time Money" request for Wayne Sharp? It is believed that this proposal is separate from the \$920K "Classrooms of the Future" one-time reinvestment funding proposals.
9	9	Academic & Student Affairs	Construction Management	GPS Survey Equipment Package	To be used for courses CM271 - Civil Engr. Measurements & CM 210 - Construction Materials & Methods		1	\$45,000	\$45,000	Yes	\$245,420	
10	10	Academic & Student Affairs	History	Classroom media equipment and furnishings for seminar room AH 107.	The space is currently used for thesis defense meetings, department meetings, student-faculty meetings, job interviews, etc.. A renovated lab/research space would meet the additional purposes of: providing students with a forum to discuss their research; improving students access to research materials with access to the internet and access to faculty provided articles, reference materials, and primary source documents for their Senior Seminar classes; providing students with an area to practice their presentation skills. R&R has been approved to renovate the space, so the approval of equipment will complete the room. Built-in shelving and a conference table with media capability and chairs are needed for usability and to maximize the space in this small room.Updated and additional electrical outlets are needed for current technical needs. Media equipment is needed for student and faculty presentations. Adjustable lighting levels are needed for student and faculty presentations.	\$1,900		\$19,000	\$17,100	Yes	\$262,520	Is this part of the "FY11 1-Time Money" request for Wayne Sharp? It is believed that this proposal is separate from the \$920K "Classrooms of the Future" one-time reinvestment funding proposals.
11	11	Academic & Student Affairs	College of Education	Chairs for Armstrong Hall 306	Reconfigure classroom space to improve efficiency; currently outdated		58	\$330.72 plus \$383.63 handling fee	\$19,565	Yes	\$282,085	

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12	13	Academic & Student Affairs	Chem/Geol	Differential Scanning Calorimeter	Our current bomb calorimeter is ~ 40 years old, and while it still "works" is definitely antiquated, and has very limited capabilities, and a questionable life span. The proposed DSC instrument would allow for a more versatile range of measurements and expose our students to more instrumentation, consistent with what they would encounter in industry or in graduate school. The instrument would be used to measure thermodynamic quantities associated with phase transitions in solids and liquids, and would be used in both semesters of physical chemistry lab (450 & 451) and in both of the inorganic courses (413 & 415).		1	\$26,484	\$26,484	Yes	\$308,569	
13	14	Academic & Student Affairs	Campus Recreation	Free Motion Chest Free Motion Tricep Free Motion Squat Free Motion Shoulder Free Motion Row Free Motion Lat Free Motion Bicep Free Motion Hamstring	This equipment is ADA compliant and accessible, thus equipment for all abilities. The Otto Recreation Center weight room and equipment gets used by academic classes as well as by recreational users, including disabled students who contact us through Disability Services. Faculty in HP and RPLS are excited about the new possibilities. We have students from Disability Services who use the Rec. Center and would benefit even more from this type of ADA accessible equipment. The upgrade in equipment will enhance the educational experience of all of our students.	\$5,000	8	varies	\$25,437	Yes	\$334,006	
14	15	Academic & Student Affairs	College of Education	Chairs and tables for Armstrong Hall 317	Reconfigure classroom space to improve efficiency; currently outdated		24 chairs and 12 tables	\$248.40 (chairs), \$738.18 (tables) and \$296.39 handling fee	\$15,116	Yes	\$349,122	
15	16	Academic & Student Affairs	Institutional Diversity	Oven for the Intercultural Student Center (ICSC)	The preparing, serving and eating of food is a very important part of the cultural diversity at MSU. The oven would have an important role in advancing the inter/intercultural experience at MSU		1	\$5,500	\$5,500	Yes	\$354,622	
16	17	Academic & Student Affairs	Human Performance	New Balance System	The current balance system has exceeded its age limit for obtaining replacement parts. The balance system is integral for assessing balance and has numerous applications both in athletic training and exercise science (e.g., balance assessment subsequent to concussion, fall prevention).		1	\$50,000	\$50,000	Yes	\$404,622	
17	18	Academic & Student Affairs	Chem/Geol	System, Gel Doc EZ package	This equipment will be used in all upper level biochem. Labs. The current densitometer 18 years old and will not last much longer. It can no longer be repaired as parts are not available.		1	\$9,250	\$9,250	Yes	\$413,872	
18	19	Academic & Student Affairs	Theatre and Dance and Music	Sound Studio Modifications to KMSU	To improve existing studio for sound recording purposes. This will benefit the sound industry students in music, the music department in general and the theatre and dance department in general			\$58,000	\$58,000	Yes	\$471,872	
19	20	Academic & Student Affairs	Security	Automated External Defibrillators-FRX Model w/batteries and pads (this model provides for mobile use for security vehicles, health services clinic and athletic training)	The goal of the Automated External Defibrillator program is to provide a rapid response to any victim of sudden cardiac arrest on our campus by providing early defibrillation to the victim within three minutes of a witnessed collapse or discover in order to increase survivability. The MnSCU required procedures indicates campus AED's should be maintained in accordance with the manufacturers recommendations. Manufacturers recommendations include replacing units that are five to seven years old. All of the current models located on campus were purchased between 2002 and 2005.		9	\$1,488	\$13,391	Yes	\$485,263	

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20	22	Academic & Student Affairs	College of Education	Chairs for Armstrong Hall 321	Reconfigure classroom space to improve efficiency; currently outdated		38	\$330.72 plus \$251.35 handling fee	\$12,819	Yes	\$498,082	
21	23	Academic & Student Affairs	Institutional Diversity	New furniture for the Intercultural Center	New furniture is needed to make the Center a more inviting place for students/faculty/and staff to use.				\$15,000	Yes	\$513,082	
22	24	Academic & Student Affairs	AMET	Small engine dynamometer for testing small 2-stroke cycle engines	This will go to support the ongoing research in intermediate ethanol blends. We have an opportunity to partner with Lubrication Technologies Incorporated, an oil manufacturer in the twin cities on looking at the effects of ethanol blends on the oil they manufacture and provide to companies like Polaris, Arctic Cat and other power equipment manufacturers. Lube Tech is also interested in establishing a long term internship program with MSU and has hired its first student from the program this semester.	\$12,000	1	\$48,500	\$36,500	Yes	\$549,582	
23	25	Academic & Student Affairs	Human Performance	Woodway Force Treadmill 3.0	Our current treadmill systems are over 20 years old. We have carried out several studies and have had to borrow treadmills from our Athletics Department. The treadmills we have are not safe enough for higher speed running assessment.		1	\$28,000	\$28,000	Yes	\$577,582	
24	26	Academic & Student Affairs	ECET	Semiconductor HP Parameter Analyzer with TMC63-500 Series vibration isolation laboratory table	Dept has 1 of these. Need additional for EE304, EE 5/475, EET 5/492, Phys 5/462 along with a table			1 Analyzer (\$25,000); 1 table (\$3,300)	\$28,300	Yes	\$605,882	
25	27	Academic & Student Affairs	Human Performance	BodPod - Gold Standard Body Composition System	Our BodPod is a device that assesses body fat and is used for numerous courses, both in Human Performance and Family Consumer Science. The device is used for collaborative research between our departments. Our current device has exceeded age for obtaining replacement parts and its warranty has expired.		1	\$48,000	\$48,000	Yes	\$653,882	
26	29	Academic & Student Affairs	Security	Automated External Defibrillators Onsite Model w/batteries and pads (this model is the standard unit that is located in wall mounted case and available to trained bystanders)	The goal of the Automated External Defibrillator program is to provide a rapid response to any victim of sudden cardiac arrest on our campus by providing early defibrillation to the victim within three minutes of a witnessed collapse or discover in order to increase survivability. The MnSCU required procedures indicates campus AED's should be maintained in accordance with the manufacturers recommendations. Manufacturers recommendations include replacing units that are five to seven years old. All of the current models located on campus were purchased between 2002 and 2005.		11	\$1,183	\$13,013	Yes	\$666,895	
27	30	Academic & Student Affairs	College of Education	Chairs for Armstrong Hall 325	Reconfigure classroom space to improve efficiency; currently outdated		30	\$330.72 plus \$198.43 handling fee	\$10,120	Yes	\$677,015	
28	31	Academic & Student Affairs	ECET	HP CV measurement system along with software and a TMC63-500 Vibration Isolation Laboratory Table	Dept has 1 of these. Need additional for EE304, EE 5/475, EET 5/492, Phys 5/462 as well as the table		One system and one table	Measurement system (\$20,000) and table (\$3,300)	\$23,300	Yes	\$700,315	
29	34	Academic & Student Affairs	College of Education	Chairs for Armstrong Hall 326	Reconfigure classroom space to improve efficiency; currently outdated		28	\$330.72 plus \$185.20 handling fee	\$9,445	Yes	\$709,760	
30	35	Academic & Student Affairs	University Scheduling and others	Six foot indoor tables, eight sections of table skirting and table carts	These tables are used to support events across campus. Our current inventory is less than 30 and we are renting these tables on a regular basis. Carts would provide for moving and storage.		100 tables, 8 sections of skirting and 10 carts	\$135 (table) and \$225 cart	\$15,750	Yes	\$725,510	
31	36	Academic & Student Affairs	AMET	6-axis robot	This robot is for MET 347 and 448 automation class use. In these two courses, students learn how to program robots and design their projects. We need a six-axis robot to improve student learning outcomes.		1	\$31,500	\$31,500	Yes	\$757,010	

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32	37	Academic & Student Affairs	Art	We request that new computers, software and printers be provided to convert the existing Color Film Printing Lab, adjacent to the NH 2 Photo Lab, to a Digital Print Lab with four workstations	The color film course, Art 376, is no longer taught. Converting this facility to a digital lab is necessary to make our photography program competitive with other college programs.		Five 21.5" iMac computers; Six copies of Adobe Photoshop CS 5; Six copies of Adobe Lightroom; One Epson 7900 Large Format Inkjet Printer; Two Epson 4889 Inkjet Printers; Three Epson 3880 Inkjet Printers.	5 x 2338.00; 6 x 290.00; 6 x 89.00; 1 x 3795.00; 2 x 1729.00; 3 x 1134.00	\$24,619	Yes	\$781,629	Is this part of the "FY11 1-Time Money" request for Wayne Sharp? It is believed that this proposal is separate from the \$920K "Classrooms of the Future" one-time reinvestment funding proposals.
33	38	Academic & Student Affairs	College of Education	Chairs and tables for Armstrong Hall 330	Reconfigure classroom space to improve efficiency; currently outdated		40 chairs and 20 tables	\$248.40 (chairs). \$738.18 (tables) and \$493.98 handling fee	\$25,194	Yes	\$806,823	
34	39	Academic & Student Affairs	ECET	Oscilloscope, 1 GHz, 4 Channel	Oscilloscopes in communications lab are over 20 years old and performance (100MHZ) does not allow use for current applications such as HF, UHF, and cell phone at 8 of the 12 stations (2 students per station) EE363, EET 456, EET 486. 4 of the 12 were replaced with higher performance oscilloscopes in the last 2 years. The addition of 4 more scopes would leave 4 to replace in the future.		2	\$12,499	\$24,998	Yes	\$831,821	
35	40	Academic & Student Affairs	University Scheduling and others	Six foot outdoor aluminum tables and table carts	These tables are used to support events across campus. We are regularly using indoor tables or renting tables to meet these needs. Carts would provide for moving and storage		25 tables and 2 carts	\$295 (table), \$27 (skirting) and \$225 (cart)	\$8,041	Yes	\$839,862	
36	41	Academic & Student Affairs	ECET	Repair/upgrading of Nanospec head and software	Courses EE 5/475, EET 5/492, Phys 5/462, Student senior design and graduate research projects		1	\$25,300	\$25,300	Yes	\$865,162	
37	42	Academic & Student Affairs	University Scheduling and others	Folding chairs and chair carts	Our inventory of chairs has dwindled to less than 500. We are constantly scrambling to find enough chairs for events like graduation! Carts would provide for moving and storage		200 chairs and 4 carts	\$87.50 (chair) and \$475 (cart)	\$19,400	Yes	\$884,562	
38	1	Finance & Administration	Facilities Management	Oce ColorWave 300 Large format scanner/printer/copier. This machine can scan large documents up to 36" wide and convert them to electronic files in numerous popular formats. Files can be downloaded to or printed directly from USB drives and saved in PDF format for archiving.	During the process of executing millions of dollars per year in campus renovation and construction there are hundreds of large format architectural and engineering drawings exchanged between consultants, code officials and MSU Planning and Construction staff each year. Having the large format scanning feature will save thousands of dollars per year in reimbursable and significantly reduce wear and tear on our aging archive drawings. Currently it costs about \$8.75 per sheet to scan or copy a large format document. One moderate sized project can be up to 40 sheets and the department and has executed on average about 100 projects of varying size each year. Existing drawings can be scanned and saved as an electronic archive to protect against the permanent loss of these documents in a fire. A long range goal is to scan all the architectural and engineering drawings to create an electronic library of the building drawings that can be made available to consultants for design work and staff who perform repair work on the facilities. Utilizing the scanned files will save many hours of staff time currently spent on making copies on the old large format Xerox copier.	\$3,000	1	\$22,000	\$19,000	Yes	\$903,562	
39	3	Finance & Administration	Facilities Management	Underground Pipe Inspection Camera	This camera will allow the plumbing department to inspect underground plumbing lines for stoppages. The device will also allow the recording of the line and locator capabilities of where the video head is underground. Over the past seven years, we have spent \$11,640 to hire Jetter Clean on calls that included their camera service.		1	\$8,195	\$8,195	Yes	\$911,757	

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40	4	Finance & Administration	Facilities Management	Utility Pipe Flow Meter	This flow meter will allow the utilities and plumbing departments to measure the flow of liquids in the piping systems. In addition to measuring flows, this device will be used to verify that the meters on our campus system are operating correctly. It will also allow the nondestructive measurement of flow through cooling towers, individual air handlers, and precise measurement of the chilled water consumption in the academic buildings.		1	\$9,874	\$9,874	Yes	\$921,631	
41	7	Finance & Administration	Intercollegiate Athletics	Commercial dryer - athletic equipment room	To replace an old model. The athletic equipment room runs laundry for all athletic teams and many other departments around campus 12 months a year, as well as outside groups such as MN Vikings and the Timberwolves. The existing dryer is well past its shelf-life and is inefficient and barely operationally sustainable.		1	\$ 12,500.00	\$ 12,500.00	Yes	\$934,131	
42	8	Finance & Administration	Intercollegiate Athletics	Commercial washer - athletic equipment room	To replace an old model. The athletic equipment room runs laundry for all athletic teams and many other departments around campus 12 months a year, as well as outside groups such as MN Vikings and the Timberwolves. The existing washing machine is well past its shelf-life and is inefficient and barely operationally sustainable.		1	\$ 21,000.00	\$ 21,000.00	Yes	\$955,131	
43	3	Information & Technology Services	ITS - all campus	Fiber redundancy connecting buildings	continuity of operations, Matching funds from Equipment, ITS, Tech Fee	\$80,000		Fiber runs	\$30,000	Yes	\$985,131	This proposal was also requested as part of the one-time reinvestment funding proposals. However, it was not included in the Cabinet's preliminary funding recommendations.
44	3	University Advancement	University Advancement	Office Furniture for Senior Director of Major Gifts	The Senior Director of Major Gifts is in an office previously used by the Executive Assistant to the VP. The space needs furniture suited for donor meetings instead of administrative support work	\$0	1	\$6,000	\$6,000	Yes	\$991,131	
45	1	Institutional	Institutional	Ergonomics	Historically, the Institutional Equipment Prioritization committee has set aside \$20,000 to assist with unexpected ergonomic issues that arise for employees across the university each year. This is done to make work environments more safe for employees and to reduce worker's compensation costs. Fund is managed by Environmental Health & Safety Director (Chandler Holland)	\$0	1	\$20,000	\$20,000	Yes	\$1,011,131	
<b>Items Recommended for Funding Subtotal</b>										<b>\$1,011,131</b>	<b>\$1,011,131</b>	

**Items that may be funded from other funding sources (Strategic Priority Funds, One-Time Reinvestment Funds, Tech Fee Replacement Cycle Funds)**

46	12	Academic & Student Affairs	Library Services	MediaScape collaborative group workstations with 44" screen monitors (with 5 student workstations each). See example at the ground floor of Wigley Administration building (lower level of Memorial Library).	A total of 10 MediaScape tables will be installed in the new 50-seat classroom lab that the Library is renovating in the lower level. In addition to Library use, this lab will be available for departments to schedule classes for large sections. In addition, the Library will fund renovation, networking, and other equipment, with assistance from Academic Affairs and funds the Student Technology Fee.	\$48,000	10	\$12,000	\$72,000	No		It is believed that this proposal could be funded from the \$920K "Classrooms of the Future" one-time reinvestment funding proposals.
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47	21	Academic & Student Affairs	Center for Academic Success	8 Computers for student use	The CAS serves over 2,000 students for over 8,000 visits. The need for reliable, fast computers is growing. The computers will be purchased to replace current computers which are outdated and unable to meet the needs of the CAS and its users. The computers are used strictly by students in all tutoring areas of the CAS. Students will use the computers to access Mavdisk files, use specialized programs such as SPSS, and utilize web based learning resources.		8	4 - \$1149 \$1045	\$8,776	No		It is believed that this proposal could be funded as part of normal ITS Tech Fee replacement cycle.
48	28	Academic & Student Affairs	Art	We request that six collaborative workstations be installed in Nelson Hall 202 to enhance creative problem solving in graphic design classes.	This new design will allow us to increase course size in graphic design by 5 students. Something we need badly. More importantly the static environment of the current lab places students in a more passive learning role where the exchange of ideas is limited due to the physical classroom barriers. Creative problem solving depends on an environment that encourages the exchange of ideas and promotes a more active learning experience. The use of collaborative workstations such as the Mediascape tables by Steelcase will create an open floor plan to allow students and instructors more flexibility to collaborate on various creative tasks such as brainstorming, prototyping, critiquing, and sharing digital information. In the proposed floor plan, the classroom allows for distinct work zones that can enhance students' understanding and appreciation for the various stages of concept development. Initially, students can begin in "research" zones, move to the "physical" zone of prototyping, and then arrive at the "computer" zone where ideas are digitally realized. Throughout each stage of development the act of collaboration is encouraged due to the visibility of works in progress. The open floor plan will provide more vertical space for displaying work in progress and for developing ideas. When multiple ideas can be seen or read the stage is set for more enriched discussions that can lead to more successful, thoughtful and meaningful solutions.		Six Workstations	\$12,000	\$72,000	No		It is believed that this proposal was approved as part of the FY2012 Strategic Priority Funding (218707)
49	32	Academic & Student Affairs	Music	Smart Board for PA 101	Currently this room is used for Music Education instruction and smartboards are standard equipment in elementary and public school classrooms around the state. Our prospective teachers need to know how to use this type of technology. The total cost may exceed \$5400 as we do not know what installation will cost. We believe the nature of music instruction would require a higher quality smart board than might be installed in the typical classroom. The is a need for students to be able to see and easily read the music notation.		1	\$5,400	\$5,400	No		It is believed that this proposal could be funded from the \$920K "Classrooms of the Future" one-time reinvestment funding proposals.
50	33	Academic & Student Affairs	Institutional Diversity	New computers for the Intercultural Center	The computers in the ICSC needs to be replaced. The computers are over five years old and students are no longer using them.		10	\$1,500	\$15,000	No		It is believed that this proposal could be funded as part of normal ITS Tech Fee replacement cycle.
51	45	Academic & Student Affairs	Library Services	30 chairs for the renovated classroom lab	These will go with the MediaScape tables above. The Library will buy the other half (30 Chairs) for a total of 60	\$10,800	60	\$360	\$10,800	No		It is believed that this proposal could be funded from the \$920K "Classrooms of the Future" one-time reinvestment funding proposals.
52	46	Academic & Student Affairs	Library Services	Ten (5) 40" LCD Monitors for the renovated classroom lab	These will go with the MediaScape tables.	\$4,000	10	\$900	\$5,000	No		It is believed that this proposal could be funded from the \$920K "Classrooms of the Future" one-time reinvestment funding proposals.

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53	51	Academic & Student Affairs	Military Science	ROTC Classroom (WC301)	Purchase and install new cabinets, Install magnetic dry erase boards in place of chalk boards. Purchase and install five bulletin boards Purchase a modern instructor media station. Current furnishings are outdated, non-functioning, 10+yr sustainability				\$7,975	No		It is believed that this proposal could be funded from the \$920K "Classrooms of the Future" one-time reinvestment funding proposals.
54	60	Academic & Student Affairs	Ed. Leadership/ Adventure Education Program	Indoor Climbing Wall (Myers Field House) Construction	Indoor Climbing Wall (Myers Field House) The following request is for the creation of a state-of-the-art indoor climbing facility located within the Myers Field House on the campus of Minnesota State University, Mankato. Through partnership between Campus Recreation and the AEP, the operation of this climbing center would provide our campus student population increased opportunities to stay physically active year-round regardless of weather conditions. The climbing center would also afford the Adventure Education Program an opportunity to facilitate educational events for groups interested in climbing programs on the same year-round basis regardless of weather conditions.		1	\$120,000	\$120,000	No		It is believed that this proposal could be funded from the \$324,575 one-time reinvestment funding proposal for the AEP Indoor Climbing Wall
55	67	Academic & Student Affairs	Modern Languages	Smartboards for 3 classrooms: AH 217, AH 219, AH 221 (this request assumes the classroom conversion request was rejected.)	smart board technology is far more versatile and more efficient than black or whiteboards. Given our ever-increasing use of digital technologies, the smart boards are a better companion to the methods and technologies we currently use		3	\$2,100	\$6,300	No		It is believed that this proposal could be funded from the \$920K "Classrooms of the Future" one-time reinvestment funding proposals.

**Items Recommended for Funding by Other Sources Subtotal \$323,251**

**Items Not Recommended for Funding By Prioritization Work Group at this time.**

56	43	Academic & Student Affairs	College of Education	Chairs and tables for Armstrong Hall 333	Reconfigure classroom space to improve efficiency; currently outdated		40 chairs and 20 tables	\$248.40 (chairs), \$738.18 (tables) and \$395.19 handling fee	\$20,155	No		
57	44	Academic & Student Affairs	AMET	Power Shear	Courses EE 5/475, EET 5/492, Phys5/462, Student senior design and graduate research projects		1	\$12,000	\$12,000	No		
58	47	Academic & Student Affairs	Human Performance	HUMAC Biodex Software Update	The Biodex machine is an isokinetic dynamometer and a required piece of equipment for athletic training accreditation. Our current software is quite dated and does not meet the needs for teaching student conventional measures.		1	\$10,000	\$10,000	No		
59	48	Academic & Student Affairs	ECET	Semiconductor HP Parameter Analyzer along with a TMC63-500 Vibration Isolation Laboratory Table	Dept has 1 of these. Need additional for EE304, EE 5/475, EET 5/492, Phys 5/462 as well as the table		One analyzer (\$25,000) and one table (\$3,300)	\$28,300	\$28,300	No		
60	49	Academic & Student Affairs	ECET	HP CV measurement system along with software and a TMC63-500 Vibration Isolation Laboratory Table	Dept has 1 of these. Need additional. EE304 for EE 5/475, EET 5/492, Phys 5/462 as well as the table		1	One system (\$20,000) and one table (\$3,300)	\$23,300	No		
61	50	Academic & Student Affairs	Human Performance	Biomechanical analysis full APS 2010 workstation	Our current capacity for video motion analysis is 2-D. We struggled publishing a recent paper with video analysis from our lab as 3-D is the preferred method. For us to continue any research in video analysis 3-D is necessary and Ariel system one of the most affordable of its kind.		1	\$25,000	\$25,000	No		
62	52	Academic & Student Affairs	ECET	Spectrum Analyzer, 3GHz	The 12-station communications lab does not have spectrum analyzers for 2 of the 12 stations		2	\$21,944	\$43,888	No		



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A	B	C	D	E	F	G	H	I	J	K	L	M
63	53	Academic & Student Affairs	ECET	Oscilloscope, 1 GHz, 4 Channel	Oscilloscopes in communications lab are over 20 years old and performance (100MHZ) does not allow use for current applications such as HF, UHF, and cell phone at 8 of the 12 stations (2 students per station) EE363, EET 456, EET 486. 4 of the 12 were replaced with higher performance oscilloscopes in the last 2 years. The addition of 4 more scopes would leave 4 to replace in the future.		2	\$12,499	\$24,998	No		
64	54	Academic & Student Affairs	Human Performance	Forceplate	Our lab does not currently possess a force platform system; whereas, sister universities have several (e.g., St. Cloud has 4 force platforms). For us to offer a competitive laboratory, a force platform is desired.		1	\$5,000	\$5,000	No		
65	55	Academic & Student Affairs	AMET	8' Box Pan Brake	14 gage steel: Senior Design Projects & general lab projects		1	\$5,000	\$5,000	No		
66	56	Academic & Student Affairs	Psychology	Instructional equipment, and furnishings for an alternative student workspace	Psychology has no communal or work space for students. While many departments have small workspaces or cubbies for students to commune, there are no such facilities in the basement of Armstrong. Students often sit on the floor waiting for faculty office hours or studying notes prior to class. AH 0050 is currently an active space for graduate student use and for TA's to hold office hours. Although they use this room frequently, we believe the space could best serve both undergraduates and graduates if enhanced with student-friendly technology and furnishings. The planned items would provide a collaboration friendly workspace for undergraduate and graduate students alike to share.	\$205		\$5,205	\$5,000	No		
67	57	Academic & Student Affairs	Human Performance	Metabolic Cart	Currently our lab has one metabolic system. It is in constant use and has lead to problems with maintaining flow in lab courses (e.g., the system requires sterilization and calibration between use). A second analyzer would eliminate this burden. We are requesting the Cosmed unit because it is portable; thus, allowing for outdoor data collection.		1	\$31,625	\$31,625	No		
68	58	Academic & Student Affairs	KSP	Technology Enhanced Teaching Environment in AH309	Create a classroom with an integration of technology in teaching to model instruction so that students experience this integration and they can practice inclusion in their own lessons and units especially during the 2nd and 3rd semesters before student teaching. Technology quotes from Matt Clay. furniture quotes from General Office Products.			\$95,425	\$95,425	No		

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69	59	Academic & Student Affairs	Trio	10 desktop computers (Dell Optiplex 780) with 23 inch widescreen displays for WC321 computer lab & classroom.	The lab has 10 pcs for student use. The equipment is used Monday through Friday from 8-4 throughout the academic year by Student Support Services students. Each computer is used by over 60 distinct student users for D2L and other course access, assignment completion, access to professors' notes and presentations, tutorials and supplemental instruction. SSS students use the computers for 1-4hrs at a time; an average of 180 distinct MNSU students have used the lab the past three academic year semesters; typically 20-25 SSS students use the lab each day; frequently all 10 pcs are in use with students waiting to use one. These pcs are 4 years old and are slow in running some of the required course software and in processing information off the network and internet. They have old, 17 inch displays.	\$4,600	10 pcs and monitors	\$1,150	\$6,900	No		
70	61	Academic & Student Affairs	Comp. Sci.	Multinode parallel computing system	To replace/update obsolete and dying high performance computational equipment for benefit of all departments in CSET.		1	\$250,000	\$250,000	No		
71	62	Academic & Student Affairs	AMET	2nd axle for emissions dynamometer to allow testing of 4-wheel drive vehicles	Initially we only had funding for a single axle chassis dynamometer in the new emissions lab. The infrastructure was designed to eventually accommodate a 2nd axle to test hybrid and all wheel drive vehicles. We have submitted a proposal for a new vehicle competition called ECOCAR2 <a href="http://www.ecocarchallenge.org/ecocar2/">http://www.ecocarchallenge.org/ecocar2/</a> . This is a 3 year competition sponsored by GM, the US DOE and Argonne National Laboratory. Teams will be challenged to follow a three year Global Vehicle Development Process to minimize the environmental impact of a GM production vehicle utilizing various electric powertrain architectures. This addition to the system will be required to test the vehicle in a hybrid configuration.	\$40,000	1	\$547,390	\$507,390	No		
72	63	Academic & Student Affairs	Theatre & Dance	Replace Andreas Theatre stage floor	To replace the very well used (and now somewhat dangerous stage floor			\$30,000	\$30,000	No		
73	64	Academic & Student Affairs	Art	Install ventilation unit for ceramics glaze mixing area	Health and safety issues for students, faculty, staff.				\$25,000	No		
74	65	Academic & Student Affairs	College of Social and Behavioral Sciences	Door locks that can be turned from the inside for CSBS classrooms, labs and departmental offices.	The College of Social and Behavioral Sciences has the use of 47 classrooms, labs and departmental offices. The majority of these rooms only lock and open with a key. In the case of a violent situation we believe our students, faculty and staff are best protected by being able to lock themselves in place, in order to prevent entrance by an intruder. The price quote from facilities is high because many of the doors are asbestos.	\$2,450		\$24,450	\$22,000	No		
75	66	Academic & Student Affairs	Special Education	Updated Collection of Summative Assessments	Needed to provide access to current and valid assessment measures that our future special education teachers will be using in the field. School districts request that our students know how to give this assessment before graduation. Students need access to the test for an extended period of time in order to become proficient. Each of the below assessments is the most recent publication date and should therefore be current for the next 3-10 years.				\$12,646	No		
76	68	Academic & Student Affairs	Educational Leadership	Office storage/improvement	Reconfigure office space to improve efficiency and add storage. Add Printer supply storage and working space. Redo faculty mailbox area. Obtain more literature display space. Guest chair for Julie Carlson's office (\$348). Refit the AEP cubicle to provide more space for the Administrative Assistant				\$8,541	No		
77	69	Academic & Student Affairs	AMET	Tubing Bender Die Set	Die set to match tubing bender purchased from lab funds	(\$6200-bender)	1	\$4,300	\$4,300	No		

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78	2	Finance & Administration	Facilities Management	Campus Field Sprayer and Toro Workman Package	We currently hire a turf service company for \$13,000 per season to apply herbicides, pesticides, fungicides, and liquid fertilizer. The combination of a Toro Workman utility vehicle and a custom-built sprayer will allow the grounds department to apply herbicides, pesticides, fungicides, and liquid fertilizers to the campus recreation and athletic fields. When not used in conjunction with the sprayer, the Toro Workman can be used as a general purpose utility vehicle for the grounds department	\$5,000	1	\$20,000	\$15,000	No		
79	5	Finance & Administration	Facilities Management	John Deere 1445 Series II Commercial Front Mower	This John Deere 1445 Series II with a 72" mower deck and broom attachment replaces the 13 year old worn out Toro 72" Grounds Master with the same attachments. Without replacing the aging and worn out equipment in the lawncare fleet, mowing schedules and snow removal efforts will suffer due to the lack of available machines.		1	\$28,550	\$28,550	No		
80	6	Finance & Administration	Facilities Management	Grass Maintenance Aerator	The combination of two small aerators (one 36" pull behind for areas where our large 8' can not access, and a 19" walk behind for even less accessible areas) will allow the grounds department to aerate the small areas of campus inaccessible to the large machine.		1	\$6,040	\$6,040	No		
81	9	Finance & Administration	Intercollegiate Athletics	Portable, elevated press box/timing booth - outdoor track facility	For use with electronic timing system that is part of outdoor track facility. Elevated booth needed for timing system controls and also serve dual purpose as press box. Portability allows for placement at different field positions and facilities as needed.		1	\$ 18,500.00	\$ 18,500.00	No	\$934,131	
82	10	Finance & Administration	Intercollegiate Athletics	Moveable track shelving/storage system - athletic equipment room	Second half of project (first half funded and completed in FY'10) - allows athletic equipment to be stored and retrieved more efficiently within the athletic equipment room. Would result in increased storage capabilities and increased staff efficiencies, keeping operating costs to a minimum. This type of portable, moveable storage is especially critical during pre-season when teams are temporarily displaced from Highland Center facilities to the Taylor Center during Vikings training camp.		1	\$ 30,300.00	\$ 30,300.00	No	\$955,131	
83	11	Finance & Administration	Intercollegiate Athletics	Highland Center Locker Rooms card access system	Continued implementation of card access system to alleviate security and safety concerns.	Possible through Security or central funding	1	\$ 40,000.00	\$ 40,000.00	No	\$955,131	
84	1	Information & Technology Services	Academic Affairs, ITS, English Dept	Furniture to combine AH327/AH331 & AH203/AH204 to make one large room for 66 & 58 seat computer labs	Matching Funds with Institution Funds, Tech Fee & ITS. AH327/AH331 & AH203 & AH204 (English) could have the wall separating them removed to create one computer lab with 66 & 58 computers. This would allow one faculty (& perhaps a teaching assistant) to teach one classroom instead of two faculty providing long term savings.	\$240,000	In connection with ASA #8 subtract \$34K	1. \$46,000 furniture AH327/AH331 2. \$34,000 furniture AH203/AH204 3. ITS match with computers, projection, networking 4. Carpet & wall removal \$20,000	\$80,000	No		

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85	2	Information & Technology Services	ITS - all campus	Furnishings to improve ITS Help Desks court entry way for better customer service.	Remove existing walls to improve sight lines, to all three Help Desks in the court, from the Front doors of ITS. This would be a long lasting improvement for customer service to faculty, students & staff. Matching funds from Institutional Funds, Tech Fee & ITS	\$30,000		1. Cubes \$10,000 2. Visible entry way to help desk \$40,000 (298 sq ft X \$150 per sq ft) 3. equipment \$10,000 Total = \$60,000	\$30,000	No		

**Items Not Recommended for Funding At This Time Subtotal \$1,444,858**

**Items that do not meet the criteria for funding**

86	70	Academic & Student Affairs	AMET	Dake Power Hammer	Senior Design Projects & junior lab projects		1	\$4,500	\$4,500	No		Did not meet \$5K minimum
87	71	Academic & Student Affairs	University Scheduling and others	Portable Sound system	The university has one small portable sound system that is often not "enough" for events that occur across campus	*	1	\$2,967	\$2,967	No		Did not meet \$5K minimum
88	72	Academic & Student Affairs	University Scheduling and others	72" Round Tables and table carts	For use at "off site" events and at the President's House . Carts would provide for moving and storage		6 tables and 1 cart	\$185 (table) and \$287 (cart)	\$1,397	No		Did not meet \$5K minimum
89	73	Academic & Student Affairs	Student Health Services	Massage Chair	A relaxation zone fits well with the Student Health Services goal of providing a place for students to get well while learning more about staying well. The Spring 2010 National College Health Assessment II reported 19.5% of MSU students reported stress as a factor that significantly impacted academic performance. Free stress management opportunities could include: massage chair (30-min apt. walk-in or scheduled); relaxation music (music provided but bring your own ear buds); flameless aromatherapy; information about stress management and campus resources (Counseling Center, Campus Recreation, Otto Rec. Center, etc.)		1	\$1,759	\$1,759	No		Did not meet \$5K minimum
90	1	University Advancement	Advanced Operations	Multifunction laserjet printer/scanner	Donor records are now 100% electronic. A high-quality high-speed scanner is necessary in order to store information received in hard-copy as searchable PDFs that integrate with the Raiser's Edge donor database. In addition, the printer will produce high-volume professional-looking gift receipts.	\$0	1	\$4,375	\$4,375	No		Did not meet \$5K minimum
91	2	University Advancement	Development	Create hallway connecting Development Director Offices	Development Directors were recently relocated within the Alumni Foundation Center to allow closer collaboration with each other and with Advancement Operations. Where two separate offices are now divided by a wall and locked door, the hallway is required so that all DD offices are in the same suite	\$0	1	\$9,000	\$9,000	No		This seems to be a Building Renovation not Equipment (Consider R&R Funding)

**Items Not Recommended for Funding At This Time Subtotal \$23,998**

**Grand Total All Requests \$2,803,238**