

# Minnesota State University, Mankato

## FY08 Institutional Equipment and Furnishings Prioritized List

APPROVED 4/9/07

Updated 2/23/07

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Item #	Division Priority #	Department Unit	Equipment Description	Rationale	Matching Funds	Quantity	Unit Price	Total Request	FY08 Approved Funding
1	1	Academic Affairs Social and Behavioral Sciences	Classroom furniture and storage units	SBS needs to convert AH 315 from an ACC computer lab to a classroom. The furniture for this conversion, along with the storage units requested, replace AH 108 space given up for College of Education doctoral program.	\$2,000	18 tables (\$336.46); 34 chairs (\$170.42); 4 storage cabinets (\$322.28)	listed under quantity	\$11,180	\$ 11,180
2	2	Academic Affairs Business	Classroom Chairs in Armstrong Hall	Chairs worn and Broken	None		\$16,200	\$16,200	\$ 27,380
3	3	Academic Affairs ES:KSP	Seminar/Meeting Room Tables and Chairs	The College of Education recently converted faculty offices into a state of the art multimedia/ meeting room. This room is used for graduate student portfolio presentations, student teacher placement interviews, honor society meetings, graduate student advising, graduate teacher licensure advisory council meetings, assessment meetings for professional education, training sessions and committee meetings. A room equipped with state of the art technology is an exceptional asset to the College of Education. This room is in desperate need of suitable meeting room furniture. Currently tables and chairs from campus surplus are in use. The room requires an L-shaped setting. One table (10' x 3' or 12' x 3') and another table (5' x 3') as well as 16 matching chairs are needed.	None	2 tables and 16 chairs	Tables @ \$800 and chairs @ \$220	\$5,120	\$ 32,500
4	4	Academic Affairs Psychology	Psychology - Lab benches with cabinetry and a chemical hood for AH43	The addition of these features to this room, which currently meets NSF standards for animal research will allow our two department biopsychologists and graduate students to conduct research which involves drawing / testing blood from rats as well as other physiological animal studies.	\$4,000	1	\$35,000	\$31,000	\$ 63,500
5	1	Facilities Physical Plant -- Plumbing	Reverse Osmosis System	A reverse osmosis system is water conditioning equipment that produces deionized laboratory water. This equipment is a critical part of the system that generates all the laboratory water for Trafton North, Center, South and East. The existing system is leaking and has worn fittings that cause it to shut down unexpectedly making it unreliable. This quite is for equipment only. MSU to install.		1	\$10,030	\$10,030	\$ 73,530
6	1	ITS	Disk Storage System for MavDISK, MavMAIL, and Databases	Existing Storage Area Network (SAN) server entering year 4 of 5 at which time it will not be supported. (planned replacement) Request is for a match for storage space used by faculty and staff. Technology Fees will pay for portion that students use and/or used for academic purpose. (Tech Fee cannot pay for staff and departmental part of storage). Existing SAN will be used for daily backups BEYOND the 5-year supported life, but not in critical production mode. Storage growth has been from 6TB to 13TB over 3 years. Note that GEOG and RPLS have submitted matches for \$25,000 each to add additional storage onto this new unit to service their needs.	\$150,000 (\$50,000 A.A. \$100,000 Tech Fees)	1	\$250,000	\$75,000	\$ 148,530
7	1	Student Affairs Counseling Center	Furnishings for Counseling Center/Computer-Based Testing Center	Storage of confidential client files and personal storage for clients utilizing testing center. Rotary files, locker with locks, storage cabinet and file drawer cabinets.	\$10,000 to support space renovation	1		\$6,492	\$ 155,022
8	2	Student Affairs Security	Emergency power system	Emergency power system (generator and installation) to support security functions during a power outage.		1	\$47,000	\$47,000	\$ 202,022

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9	5	Academic Affairs Disability Services	18"x36" adjustable height classroom tables for students with permanent or temporary health conditions that make sitting in traditional tablet arm chair desks impossible.	Thirty-six classrooms in Armstrong Hall use small tablet arm desks. Many students with temporary or permanent physical limitations or students beyond "average" size have difficulty using these desks. One adjustable table and chair in each room would allow for an accessible option in each classroom.	None	36	\$625	\$22,500	\$ 224,522
10	6	Academic Affairs Disability Services	Armless thermoplastic chairs for accessible desks.	Chair with larger seat cushion and test rated to 400 lb.	None	36	\$222	\$7,992	\$ 232,514
11	7	Academic Affairs Mass Comm.	Xerox Phaser 7760 Color Laser Printer	Reliable Phaser 7760/GX color laser printer and service agreement for Pub. Layout, Ed. Process and Photojournalism - to replace six-year old used printer- printer is \$7,399 and service agreement is approximately \$3,000	None	1	\$10,399	\$10,399	\$ 242,913
12	8	Academic Affairs RPLS	Storage Area Network Server	Current server does not have enough memory to properly serve the GIScience program. The Department of Geography is also submitting a request for this item (\$25,000)	Potential funding from ITS	1	\$200,000	\$25,000	\$ 267,913
13	9	Academic Affairs Geography	Storage Area Network Server	Replaces server that now does not have enough memory to properly serve the GIScience program). It is our understanding that \$25,000 is also being requested by AH&N for the same item and that IT will cover the balance since this is an upgrade that affects others as well.	Potential funding from ITS	1	\$200,000	\$25,000	\$ 292,913
14	10	Academic Affairs Music	Classroom renovation for PA 101, including music workstation, computer, printer, MIDI interface, synthesizer, and furnishings (tables, chairs, white boards)	Enhance technology in classroom	None	1	\$9,750	\$9,750	\$ 302,663
15	12	Academic Affairs Biological Sciences	High Performance Liquid Chromatography (HPLC) system	Current system is about 15 years old, component parts are failing and are no longer supported by the manufacturer. Software never updated after Y2K, thus operating software is not compatible with modern computers.	None	1	\$70,000	\$70,000	\$ 372,663
16	13	Academic Affairs ME/CIV	MTS Controller for older MTS machine	Updated controller needed for MTS machine because company no longer supports the controller we have. If anything goes wrong with the current controller the machine cannot be operated.	None	1	\$38,500	\$38,500	\$ 411,163
17	14	Academic Affairs SET	UV - VT Shed		None	1	\$65,995	\$65,995	\$ 477,158
18	3	Student Affairs Career Development Center	Electronic recruiting & job listing system	During the Fall of 2006, all schools belonging to the Minnesota College & University Career Services Association (MCUCSA) established a consortium recruiting and job listing system which allows employers to list jobs and internships to all 25+ institutions simultaneously (Landit.org). Purchasing this system upgrade would allow the CDC to better serve students, alumni, and employers through seamless incorporation of these listings into the mavjobs system.	\$ 3,000	1	\$8,000	\$5,000	\$ 482,158
19	2	Intercollegiate Athletics	Athletic weight room equipment/platforms	Replace old equipment that is becoming unfit and not safe for further use; fill other programmatic needs		1	\$12,000	\$12,000	\$ 494,158
20	4	Intercollegiate Athletics	Electrical stimulation/ultrasound combination unit	Athletic training need for rehabilitation of injured student-athletes; facilitates more efficient recovery		1	\$10,000	\$10,000	\$ 504,158
21	1	Card Access		Continue implementation of Card Access.			\$ 40,000	\$ 40,000	\$ 544,158
22	3	Facilities Building Services	Graffiti Remover	This piece of equipment is used to remove graffiti from surfaces using baking soda under pressure. The University has vandals that spray paint the exterior of our buildings and we've had limited success in trying to remove it. This style of machine has been used by the City and Mankato and has proven to be exceptionally successful. When used, it does not damage or leave a lasting imprint on surfaces as would a sand blaster and is far easier for our employees to use.		1	\$ 8,390	\$ 8,390	\$ 552,548
<b>Total Approved Funding for FY08</b>									<b>\$ 552,548</b>

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<b>Institutional Equipment NOT Funded (In Priority order if future funding becomes available)</b>									
23	16	Academic Affairs Art	Interactive whiteboard and panel for Nelson Hall 204	Enhance instruction in classroom	None	1	\$ 5,100	\$ 51,000	
24	17	Academic Affairs Library Services	Add Compact Storage Shelving to the Library remote storage space in the lower level of Taylor Center and remove the compact shelving from the reference area in the Library.	Adding Compact Shelving to accommodate library materials in remote storage will maximize its capacity and address the increased demand for study space on Library floors. Removing the compact shelving from the Northwest corner of the first floor and will free up valuable space for student use.	\$ 40,000	1	\$ 60,000	\$ 20,000	
25	18	Academic Affairs Business	Student seating, MH 208, 209, 210, 211	Chairs are worn and broken	\$ 3,600	144	\$ 250	\$ 32,400	
26	1	ITS - Continuation of Funding Request	Disk Storage System for MavDISK, MavMAIL, and Databases	Existing Storage Area Network (SAN) server entering year 4 of 5 at which time it will not be supported. (planned replacement) Request is for a match for storage space used by faculty and staff. Technology Fees will pay for portion that students use and/or used for academic purpose. (Tech Fee cannot pay for staff and departmental part of storage). Existing SAN will be used for daily backups BEYOND the 5-year supported life, but not in critical production mode. Storage growth has been from 6TB to 13TB over 3 years. Note that GEOG and RPLS have submitted matches for \$25,000 each to add additional storage onto this new unit to service their needs.	\$150,000 (\$50,000 A.A. \$100,000 Tech Fees)	1	\$ 250,000	\$ 25,000	
27	5	Student Affairs Campus Recreation	Public address & sound system	PA & sound system for Otto Recreation Center.		1	\$ 30,000	\$ 30,000	
28	5	Intercollegiate Athletics	LED scorer tables - Taylor Center	Replace existing tables with new technology; creates additional advertising inventory for advertisers and sponsors	Possible corporate sponsorship	1	\$ 36,000	\$ 36,000	
29	1	Card Access	Lenel Integrated Security System (Card Access) for All Seasons Arena	Continue implementation of Card Access.			\$ 20,000	\$ 20,000	
30	19	Academic Affairs Library Services	Remodeling of Group Study rooms on 1st and 2nd floor of the Library	There is a continued demand for the use of the group study rooms in the Library. Students use these to work on collaborative projects but currently there is no technology available there. This proposal will add adequate technology and furniture to each room including a presentation station with projection screens and appropriate software.	\$ 22,000	7	\$ 6,000	\$ 20,000	
31	20	Academic Affairs Human Performance/ Athletics	Hydrotrack underwater treadmill and aquatic therapy treadmill and aquatic therapy system	Athletic Training Education: Program accreditation specifically indicates aquatic therapy for upper and lower body injury. We are currently deficient in this area due to Highland Center pool scheduling. Exercise Science Education: Upper-level undergraduate exercise science courses will be able to utilize the Hydrotrack unit. Athletic Training Services: Health care is provided to over 600 student-athletes on campus. This is especially useful with lower extremity injury rehabilitation in terms of early weight bearing.	None	1	\$ 57,850	\$ 57,850	
32	21	Academic Affairs ME/CIV	Pipe flow experiment	To be used in ME436 by Dr. Tebbe and in CIVE436 by Dr. Nykanen.	None	1	\$ 32,000	\$ 32,000	
33	6	Student Affairs Career Development Center	Career resource library multi-media upgrade	The CDC Career Resource Library is used daily by both academic classes and individuals. This area is also used on a frequent basis for group presentations/workshops. Equipment upgrades include multi-media items such as wall-mounted electric presentation screen, mounting brackets, and a wireless ceiling-mounted projector. The addition of this equipment would also provide additional employer presentation space for information sessions.		1	\$ 5,835	\$ 5,835	
34	3	ITS	Taylor Center Video Presentation	Graduation, convocation and other events in this venue. Phase 1 = two screens for commencement and one for convocation. (* pending matching funds from the foundation, tech fee committee)	\$ 71,800	1	\$ 91,800	\$ 20,000	

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35	2	Facilities Physical Plant -- Grounds	Dump Truck with Plow & Sander	The existing 1994 dump truck has been used for several years to plow snow during the winter and should be replaced now while it still has some trade-in value. Plowing snow is hard on the transmission and drive train of these vehicles and the groundskeepers and garage mechanics have recommended this vehicle get replaced now before a costly breakdown occurs		1	\$ 80,000	\$ 80,000	
36	23	Academic Affairs Geography	Geography -- Update 2 classrooms: computer consoles and digital projector in Cartography lab in AH-01 and computer console and digital projector in AH-05	These changes will make these classrooms comparable to other classrooms on campus where similar courses are taught	\$ 3,000	2	\$ 12,000	\$ 21,000	
37	24	Academic Affairs Music	Steinway Piano for PAC 109	Technical instruction in classroom	None	1	\$ 62,000	\$ 62,000	
38	25	Academic Affairs ECET	Tektronix DP04AUTO - Application Module for Automotive Serial Triggering and Analysis	Equipment needs updating	None	20	\$ 1,250	\$ 25,000	
39	26	Academic Affairs Geography	Hand-held spectroradiometer	For use in teaching and research. Will greatly benefit recently funded grant from Mn-LCCMR (\$159,000)	\$ 3,000	1	\$ 16,000	\$ 13,000	
40	28	Academic Affairs Human Performance	62 full lockers	Highland North locker rooms are being remodeled and the available funds do not allow for additional locker purchase. All current lockers are being reused but 62 additional lockers are needed. This project is supported by Student Affairs (on behalf of Campus Recreation) and by Intercollegiate Athletics	None	62	\$ 404	\$ 25,048	
41	29	Academic Affairs Chem/Geol	Total organic carbon and Total nitrogen analyzer with auto sampler; Shimadzu TOCN-4100 w/ auto sampler	Support of modern research and lab techniques; compliments current capabilities; we do not currently have this capability on campus; supports Chem/Geology programs.	None	1	\$ 63,577	\$ 63,577	
42	6	Intercollegiate Athletics	Blakeslee Stadium football goal post set	To replace old equipment and match existing standards on practice fields		1	\$ 5,000	\$ 5,000	
43	4	Facilities Physical Plant -- Grounds	Toro 72-Inch Deck Mower	It is time to cycle one of the worn-out 72" mowers and replace with a new one. These mowers log many hours every year and must be replaced once they become mechanically unreliable. This request will replace one of the existing mowers that began having transmission problems this year.		1	\$ 18,000	\$ 18,000	
44	2	ITS	Electrical Upgrade for Armstrong Classrooms	Urgent power problems in Armstrong Hall with overloaded power circuits. Growing need for outlets so students can use laptops in classrooms. Should be R&R initiative, but no funding proposed to address problem. Facilities should do as many rooms as this will cover.	\$ 100,000	1	\$ 200,000	\$ 100,000	
45	30	Academic Affairs CIS	Two Pioneer 3-AT Mobile Robots with base, on-board computer and indoor wheels from ActiVision	Update of mobile robots for support within the computer science curriculum	None	2	1 @ \$5,000 and 1 @ \$7,500	\$ 12,500	
46	31	Academic Affairs Geography	Geography - Satellite imagery	For use in teaching and research.	\$ 500	1	\$ 6,000	\$ 5,500	
47	33	Academic Affairs ECET	Intronix-LA1034 Logic Port Analyzer New mixed signal analyzers for the microprocessor lab in the ECET department.	Equipment required for modern microprocessor analysis and to support the laboratory portions of the microprocessor courses. Used in most all upper division classes	None	20	\$ 389	\$ 7,780	
48	34	Academic Affairs ECET	New CompactRIO FPGA real-time data I/O and acquisition systems for the microprocessor laboratory in the ECET department.	Interfaces with existing LabView toolsuite and provides a platform for embedded system design with FPGA programming. Also provides the students an opportunity to familiarize themselves with rapid prototyping control simulation hardware.	None	20	\$ 5,500	\$ 110,000	



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Item #	Division Priority #	Department Unit	Equipment Description	Rationale	Matching Funds	Quantity	Unit Price	Total PPR Request	FY08 Approved Funding
Removed from Institutional Equipment & Furnishings List - Did not meet criteria and/or considered an R&R Project									
64	22	Academic Affairs Trio Programs	10 desktop computers (Dell Optiplex 745) and 1 color laser printer (Dell 3115cn with duplexer) for WC321 computer lab & classroom.	The equipment is used Monday through Friday from 8 -4 throughout the academic year by MSU Student Support Services. Frequently all 12 pcs are in use with students waiting to use one. One weekend each month, 40 Upward Bound students use the equipment. Two to four weekends during the AY, 25-30 Talent Search students use the equipment. McNair students use the lab throughout the academic year. The ten we want to replace are all slow in running some of the required course software and in processing information off the network and internet. We need an additional printer to reduce printing waiting times during peak hours.	\$ 4,076	10 pcs; 1 printer	\$1,019/pc; \$1,092 for the printer	\$ 7,206	
65	27	Academic Affairs Arts and Humanities	Region-neutral DVD Players for Armstrong Hall Classrooms. For English, Mass Comm, Modern Lang, Philosophy and Speech for 214, 217, 219, 221, 202, 208, 302, 203, 204, 327, 311, 334, 223B, 225, 319 and PA 104 and WH118	DVD materials from all countries can be played	None	17	\$ 250	\$ 4,250	
66	32	Academic Affairs Business	Apple iPods	Pilot a podcasting project for faculty. There is a great deal of podcasting that is altering both face-to-face and online education. The essence of podcasting of course is simply audio recording. Video recording is also becoming more prevalent. The key though is how students are opting to listen to and view these files. Many are using iPods or other MP3 players to access these files. They listen to them in the car, while they work out, and so on. Our proposal for faculty iPods is essentially to keep up with this new technology that students have already embraced. Our faculty need to use this technology to better understand how students are embracing podcasting. Faculty without iPods will be slow to adopt to this changing student information delivery preference. We will view iPods as supplemental to laptops. They would not replace laptops.	\$ 1,750	50	\$ 350	\$ 15,750	
67	37	Academic Affairs Chem/Geol	Faculty Computers (4 per yr; 4 yr rotation)	Critical for faculty productivity; to facilitate course development and innovative teaching; for classroom instruction/presentations	None	4	\$ 2,250	\$ 9,000	
68	40	Academic Affairs Art	Remove bronze furnace, install concrete for classroom	Improve safety and enhance ability to teach welding	None	1	\$ 5,000	\$ 5,000	
69	41	Academic Affairs Education	Furniture for staff and student workers in the College of Education main office	Office furnishings are mismatched and not appropriate for a college office	None	5 work stations and reception area	\$ 18,000	\$ 18,000	
70	42	Academic Affairs Psychology/Social Work	Psychology and Social Work - Office furnishings for four offices.	With the addition of two new faculty for the MSW program, one new faculty member for the school psychology program, and the move of a faculty member to consolidate the psychology department, additional office furnishings for these spaces are needed.	\$ 2,000	4	\$ 3,000	\$ 10,000	
71	43	Academic Affairs Library Services	Remodeling of 3rd Floor Staff area (PHASE ONE) and creation of several group study rooms for collaborative work. PHASE TWO will remodel the rest of the staff work space for more efficient overall utilization.	Only 5 Library faculty have adequate offices and the remaining 15 have offices in open areas that are not private. PHASE ONE of the proposed remodeling of the common workspace on the third floor of the Library would create adequate offices for all faculty and streamline the utilization of space for all staff. This would free up three meeting rooms on other floors for student group work. We currently only have 5 rooms for groups, which are insufficient given their high demand.	\$ 80,000	Project	\$ 120,000	\$ 40,000	
72	7	Intercollegiate Athletics	Game-ready compression unit	Athletic training need for the safety and rehabilitation of student-athletes		1	\$ 4,500	\$ 4,500	
73	13	Intercollegiate Athletics	Large hydrocolator unit	Athletic training need for the safety and rehabilitation of student-athletes		1	\$ 4,000	\$ 4,000	

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74	1	Intercollegiate Athletics	Keypad entry system - All Seasons Arena	Enhance building/office/locker room security		1	\$ 20,000	\$ 20,000	
75	3	Intercollegiate Athletics	Keypad entry system - Taylor Center	Enhance building/office/locker room security		1	\$ 12,000	\$ 12,000	