

SOUTH DAKOTA BOARD OF REGENTS

Full Board

AGENDA ITEM: F

DATE: October 14-15, 2009

SUBJECT: Interim Actions of the Executive Director

Since the last Board meeting, the following actions have been taken by the Executive Director on behalf of the Board:

Capital Asset Purchases Greater than \$50,000

South Dakota School of Mines and Technology

Dynamic Mechanical Analyzer: This instrument will provide accurate measurements of a material’s response to precisely controlled temperature and loading. The equipment cost is estimated at \$73,240. The data provided by this machine will provide insight into the materials microstructure and processing, which are required for the development of novel materials. This instrument has applications in polymer science and technology courses and material science courses. Funding for this purchase will come from US Army Research Lab grant funds.

High-Speed Camera System: This high-speed camera will capture video at rates of up to 10,000 frames per second with an estimated cost of \$85,067. This will be used in conjunction with high-speed impact testing equipment to observe impact events. This camera can integrate with our data acquisition system to synchronize the video with other data signals captured during the impact test. This is the “visualization” part of an impact testing system which can be used to demonstrate impact phenomena. This equipment would be used for instruction on impact, material response, and high-speed data acquisition. Funding for this purchase will come from US Army Research Lab grant funds.

South Dakota State University

Alloy Analyzer: At a cost of \$53,307, this new piece of equipment will be used in the METLAB (Materials Evaluation & Testing Lab) to analyze metal alloys, screen electronics and detect soil contaminants. This is vital equipment for improving the design and manufacturing

(Continued)

RECOMMENDED ACTION OF THE EXECUTIVE DIRECTOR

Information only.

of the gun barrel for the Department of Defense on-going research. Funding for this purchase will come from US Department of Defense ANFO (Advanced Non-Destructive Evaluation + Testing & Fatigue Odometer for Department of Defense and Gun Barrels) grant funds.

Tractor with Loader: This new piece of equipment will be used in the Dairy Science Department. The estimated cost is \$55,000. The new tractor will be used to mix and deliver feed to the dairy cows every day of the year. It will also be used to move large bales for feeding and bedding of the dairy cows. Funding for this purchase will come from grain sale revenue.

Omniscan MX and Eddy Current Acquisition Module: This new piece of equipment will be utilized by the Mechanical Engineering Department and is estimated to cost \$55,824. This equipment will allow for nondestructive testing of parts and materials to see if there are any flaws that can't be detected by the naked eye. It is a necessary addition to the NDE&T (Non-Destructive Evaluation & Testing) Lab which is also known as METLAB. It is vital to continue research funded by the US Department of Defense. Funding for this purchase will come from US Department of Defense ANFO (Advanced Non-Destructive Evaluation + Testing & Fatigue Odometer for Department of Defense and Gun Barrels) grant funds.

Farinograph E: This new piece of equipment will replace a 30-year old model and is expected to cost \$51,286.50. This new model is able to test smaller samples and give more precise information for analysis to the recipients. This equipment will be part of the new See Technology Lab. It will provide wheat researchers information to share with the baking industry, farmers and other interested parties. Funding for this purchase will come from testing services user fee revenue.

M&R Institutional Items

South Dakota State University

HVAC Modifications & Upgrades: Rooms 310 and 312 in the Administration Building will have HVAC upgrades at an estimated cost of \$95,000. This project involves full design and construction to include a new dedicated outdoor air system to provide ventilation air, modifications to existing chilled water fan coils and revisions to temperature controls within these rooms. The design will be completed by the SDSU Facilities and Services Engineer and construction will be publicly bid and awarded to the lowest responsible bidder. Funding for this project will come from FY10 Institutional Funds.

**Reduced Tuition
 Externally Sponsored Courses
 For October 2009 Board of Regents**

Univ	Course Number and Title	Credit	Date Offered	Location	Funding Source	Date Approved
DSU	CET 692 ST: Technology in Action 2009	1	8/12/09 - 8/13/09	Clark	Clark School District	07/29/09
USD	MATH 702 Math Concepts, Principles, and Applications for the K-12 Educator	3	8/13/09 -8/30/10	Platte	ESA 3 & SD DOE	07/31/09
USD	ELED/SEED 493/593 Workshop: Improving Instruction thru Collaboration VI	1	8/27/09 - 4/30/10	Rapid City	Rapid City School District	07/31/09
USD	ELED/SEED 493/593 Workshop: Leading Collaborative School Improvement IX	3	8/27/09 - 4/30/10	Rapid City	Rapid City School District	07/31/09
NSU	ECE 492/592 Integrating Math, Science, Literacy & Art into Early Childhood	1	9/8/09 - 9/25/09	online	SD Office of Early Childhood Partners & Dakota Midland Assoc for Educ of Young Children	08/03/09
NSU	ELRN 592 Online Teaching Standards & Best Practices	1	9/2/09 - 12/15/09	online	APIP Grant	08/10/09
NSU	EDFN 492/592 Topics: Six Components for Successful Teaching	1	8/31/09 - 12/18/09	online	Mason Endowment	08/10/09
USD	SPED 592 Mentorship in Infant & Early Childhood Mental Health	3	9/25/09 - 4/30/10	Sioux Falls & Rapid City	SD voices for Children/SD DOE	08/27/09
USD	ELED/SEED 592 Using Thinking Strategies in Math	1	8/15/09 - 12/21/09	Yankton	SD ESA Region 3	8/27/2009
USD	ELED/SEED 592 Using Thinking Strategies in Math	1	8/22/09 - 12/21/09	Worthington MN	SD ESA Region 3	8/27/2009
USD	ELED/SEED 592 Using Technology Tools to Enhance Instruction	3	8/20/09 - 4/27/10	Sioux Falls	SD ESA Region 2 SF	8/27/2009
USD	ELED/SEED 592 Assessment/Individualization Using Creative Curriculum	1	8/19/09 - 8/30/09	Platte	Mid Central Educational Cooperative ESA 3	8/27/2009
USD	HIST 792 The US 1815 to 1865	3	8/31/09 - 12/18/09	Sioux Falls	Mid Central Educational Cooperative We Americans Grant	8/27/2009
USD	HIST 792 The US 1815 to 1865	3	8/31/09 - 12/18/09	Sioux Falls	Mid Central Educational Cooperative We Americans Grant	8/27/2009
NSU	BADM 493/593 Seeds of Success: Watch your Future Grow	1	9/9/09 - 10/14/09	Aberdeen	on campus thru a reimbursement agmt	8/27/2009
NSU	SPED 490/590 Special Project/Seminar SPED	1	9/1/09 - 9/30/09	Aberdeen	SDSBVI	8/27/2009

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BHSU	ED 641 Understanding Student Thinking in Numbers & Operations	2	9/3/09 - 12/10/09	Rapid City	SD Counts (CAMSE) Grant	08/27/09
USD	ELED 792 Teaching Math: Grades 4-6, Theory to Practice	3	9/1/09 - 12/21/09	various locations	SD DOE & ESA Region III	08/31/09
USD	ELED 792 Literacy for Pre K-3 Teachers: Theory to Practice	3	9/1/09 - 12/21/09	various locations	SD DOE & ESA Region III	08/31/09
USD	EDAD 715 Administrator & Instructional Supervision	3	8/31/09 - 10/23/09	online	PIRLL Grant/TIE	08/31/09
USD	COUN 790 School Counselor Professional Development Series Curriculum	1	9/15/09 - 4/30/10	elluminate web & D2L	Mid Central Education Coop - Region 3	08/31/09
BHSU, DSU, NSU, SDSU, USD	ELED/SEED 592 Leadership for 21st Century Teaching & Learning	1	10/4/09 - 10/6/09	Pierre	DOE - Teacher Leadership Conference	09/02/09
NSU	BIOL 151 General Biology I	4	8/24/09 - 12/23/09	Aberdeen	NSU Rising Scholars Program	09/03/09
NSU	ENGL 101 Composition I	3	8/19/09 - 12/22/09	Canton	NSU Rising Scholars Program	09/03/09
NSU	EDFN 495/595 NW Area Reads Practicum	1	11/4/09 - 12/2/09	Timber Lake, Faith, Eagle Butte, Buffalo, Mobridge	NW Area Schools Coop	09/03/09
NSU	EDFN 492/592 Topics: NW Area Reads	1	9/16/09 - 2/10/10	Mobridge	NW Area Schools Coop	09/03/09
USD	ELED 792 Literacy for 4-5 Teachers: Theory to Practice	3	9/1/09 - 12/21/09	various locations	SD DOE & ESA Region III	09/11/09
USD	ELED 592 Advanced Applications in K-8 Reading Instructions	2	9/18/09 - 2/24/10	Forestburg	Mid Central Education Coop - Region 3	09/11/09
USD	EDAD 592 Instructional Leadership I	1	10/19/09 - 10/21/09	Pierre	School Administrators of SD	09/11/09
USD	EDAD 592 Instructional Leadership II	1	12/9/09 - 12/11/09	Pierre	School Administrators of SD	09/11/09
USD	EDAD 492 Instructional Leadership III	1	2/1/10 - 2/19/10	Pierre	School Administrators of SD	09/11/09
BHSU	ED 592 Strategic Teaching	1	9/17/09 - 11/20/09	Deadwood	BHSU Dakota Assets Grant	09/14/09
USD	CSC 535 Human Factors in Computer Science	3	8/31/09 - 12/18/09	Sinte Gleska Univ & Sisseton-Wahpeton College	GAIN-IT Project by NSF	09/18/09
USD	CSC 751 Programming Science	3	8/31/09 - 12/18/09	Sinte Gleska Univ & Sisseton-Wahpeton College	GAIN-IT Project by NSF	09/18/09

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USD	CSC 785 Information Storage & Retrieval	3	8/31/09 - 12/18/09	Sinte Gleska Univ & Sisseton-Wahpeton College	GAIIn-IT Project by NSF	09/18/09
USD	AHED 790 Contract Training Institute	3	9/21/09 - 10/1/09	River Falls WI	LERN	09/18/09
USD	FAMP 540 Interdisciplinary Health Care Teams	3	5/10/10 - 7/2/10	Vermillion	HRSA Leadership Educ in Neurodevelopmental & Related Disabilities grant	09/18/09
USD	CSC 150 Computer Science I	4	9/30/09, 12/18/09	Marty	GAIIn-IT Project by NSF	09/18/09
BHSU	MUS 592 SDMEA Conference	1	10/29/09 - 10/31/09	Rapid City	SDMEA	09/23/09
USD	ELED/SEED 592 Advanced Applications in K-8 Reading Instruction	2	10/5/09 - 4/12/10	Stephan	ESA 3 & SD DOE	09/23/09
USD	ELED/SEED 592 Advanced Applications in K-8 Reading Instruction	2	9/28/09 - 3/22/10	Marty	ESA 3 & SD DOE	09/23/09
USD	ELED/SEED 592 Advanced Applications in K-8 Reading Instruction	2	11/12/09 - 5/3/10	Forestburg	ESA 3 & SD DOE	09/23/09
USD	ELED/SEED 592 Advanced Applications in K-8 Reading Instruction	1	9/29/09 - 4/8/10	Woonsocket	ESA 3 & SD DOE	09/23/09
USD	ELED/SEED 592 Advanced Applications in K-8 Reading Instruction	2	9/30/09 - 4/9/10	Wessington Springs	ESA 3 & SD DOE	09/23/09
USD	ELED/SEED 592 Advanced Applications in K-8 Reading Instruction	1	10/12/09 - 3/11/10	Parkston	ESA 3 & SD DOE	09/23/09
USD	ELED/SEED 592 Advanced Applications in K-8 Reading Instruction	2	10/1/09 - 3/17/10	Mt Vernon	ESA 3 & SD DOE	09/23/09
USD	ELED/SEED 592 Advanced Applications in K-8 Reading Instruction	2	10/14/09 - 3/10/10	Platte	ESA 3 & SD DOE	09/23/09
BHSU	ED 492/592 Early Childhood Literacy	1	10/7/09 - 10/8/09	Rapid City	SD DOE	09/30/09
BHSU	ED 492/592 Early Childhood Literacy	1	1/12/10 - 1/13/10	Pierre	SD DOE	09/30/09
BHSU	ED 492/592 Early Childhood Literacy	1	1/26/10 - 1/27/10	Sioux Falls	SD DOE	09/30/09
USD	AHED 790 Programming Institute	3	3/1/10 - 3/19/10	San Diego CA	LERN	09/30/09
USD	AHED 790 Program Management Institute	3	3/16/10 - 3/19/10	online	LERN	09/30/09
USD	AHED 790 Contract Training Institute	3	3/1/10 - 3/19/10	San Diego CA	LERN	09/30/09

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USD	AHED 790 Program Management Institute	3	3/1/10 - 3/15/10	San Diego CA	LERN	09/30/09
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