

# Agenda

**AGENDA**  
**AUDIT COMMITTEE MEETING, WORKSHOP,**  
**EXECUTIVE SESSION, and REGULAR MEETING OF THE**  
**UTAH STATE UNIVERSITY BOARD OF TRUSTEES**  
**ALMA SONNE BOARD ROOM, UNIVERSITY INN, ROOM 508**  
**JANUARY 7, 2011**

8:00 - 9:00 a.m.	<b>Breakfast</b>	University Inn, Room 507
8:15 a.m.	<b>Audit Committee Meeting</b>	University Inn, Room 508
9:00 a.m.	<b>Executive Session</b>	Sonne Board Room, Room 508
9:15 a.m.	<b>Workshop</b>	Sonne Board Room, Room 508
12 noon	<b>Lunch</b>	University Inn, Room 507
1:00 p.m.	<b>Regular Meeting</b>	Sonne Board Room, Room 508
	<ul style="list-style-type: none"><li>• Introductory Items</li><li>• Chair's Report</li><li>• President's Report</li><li>• Consent Agenda</li><li>• Action Agenda</li></ul>	
Following	<b>Regional Campus System</b>	University Inn, Room 510
Regular Meeting	<b>Committee Meeting</b>	

Chairman

**AGENDA  
CHAIR'S REPORT  
JANUARY 7, 2011**

A. Information Items

1. Committee Assignment, Frank Peczuh
2. Report on the Audit Committee Meetings held on December 20, 2010,  
and January 7, 2011
3. Date of the Next Board of Trustees Meeting, March 18, 2011  
(on campus)

B. Other

President

**AGENDA  
PRESIDENT'S REPORT  
JANUARY 7, 2011**

**A. Recent Events**

1. American Festival Chorus Holiday Concert, December 4, 2010
2. Football – USU at Boise State, December 4, 2010
3. Men's Basketball – USU at Georgetown, December 4, 2010
4. Regents/Legislators/Commissioner Meeting, December 7, 2010
5. Men's Basketball - Long Beach State at USU, December 7, 2010
6. Wells Fargo Northern Utah Community Board, December 8, 2010
7. Board of Regents, December 9, 2010
8. Men's Basketball – Cal State Bakersfield at USU, December 11, 2010
9. Friends of Utah Higher Education, December 15, 2010
10. Men's Basketball – Idaho State at USU, December 21, 2010
11. Men's Basketball – Western Michigan at USU, December 22, 2010
12. Men's Basketball – Troy at USU, December 23, 2010
13. Men's Basketball – Hawaii at USU, December 29, 2010
14. Men's Basketball – San Jose State at USU, December 31, 2010
15. Utah Campus Compact Executive Committee, January 4, 2011
16. Council of Presidents, January 4, 2011
17. USU Board of Trustees (workshop), January 7, 2011

**B. Upcoming Events**

1. USU Community Cabinet, January 11, 2011
2. Northwest Commission on Colleges and Universities (NWCCU) Board of Commissioners Meeting in Bellevue, Washington, January 12-13, 2011
3. NCAA Division I Board of Directors Meeting in San Antonio, Texas, January 15, 2011
4. RCDE and USU-CEU Advisory Board Meeting in Park City, January 18, 2011
5. Kathie Olsen from Association of Public and Land-Grant Universities/Commission on International Programs (APLU/CIP) at USU, January 19-20, 2011
6. Regents' Audit Committee Meeting, January 20, 2011
7. Utah Campus Compact Executive Meeting, January 20, 2011
8. Men's Basketball – Louisiana Tech at USU, January 20, 2011
9. Men's Basketball – New Mexico State at USU, January 22, 2011
10. Utah Legislature in Session, January 24 – March 10, 2011
11. Salt Lake Chamber Governing Board, January 25, 2011
12. Men's Basketball – Nevada at USU, February 2, 2011
13. Men's Basketball – Boise State at USU, February 5, 2011
14. Men's Basketball – Fresno State at USU, February 12, 2011

15. EDCUtah Executive Committee and Board of Trustees Meeting, February 16, 2011
16. Men's Basketball – Montana-Western at USU, February 16, 2011
17. Men's Basketball – TBD-ESPN Bracket Buster, February 19, 2011
18. Salt Lake Chamber Governing Board, February 22, 2011
19. Men's Basketball – Idaho at USU, February 26, 2011
20. President Meeting at Legislature, March 1, 2011
21. Founders Day, March 4-5, 2011
22. American Council on Education (ACE) Annual Meeting in Washington, DC, March 5-8, 2011
23. Spring Break for Students, March 7-11, 2011
24. Council of Presidents, March 8, 2011
25. WAC Tournament – Las Vegas, Nevada, March 9-12, 2011
26. Professional Employees Association Annual Lunch, March 15, 2011
27. NCAA Tournament Begins – March 17, 2011
28. USU Board of Trustees Meeting, March 18, 2011

C. Other

# Consent Agenda



**CONSENT AGENDA**  
**JANUARY 7, 2011**

	<u>Page</u>
1. Minutes of the Executive Session Held on December 3, 2010	1
2. Minutes of the Regular Meeting Held on December 3, 2010	3
3. Faculty and Staff Adjustments	15
4. Certificate of the Treasurer for October 2010	19
5. Report of Investments for October 2010	23
6. Delegation/Administrative Reports for November 12, 2010 to December 17, 2010	39
7. Review and Approval of the External Audit Reports	47
8. Contract/Grant Proposals and Awards for November 2010	49
9. Executive Session, March 18, 2011	

EXECUTIVE SESSION  
UTAH STATE UNIVERSITY BOARD OF TRUSTEES  
TELEPHONE CONFERENCE CALL  
DECEMBER 3, 2010

Minutes of the Executive Session of the Utah State University Board of Trustees held in Old Main, Champ Hall, Room 136 at 10:35 a.m.

MEMBERS PRESENT

Suzanne Pierce-Moore	Chair (by telephone)
Ronald W. Jibson	Vice Chair (by telephone)
Ralph W. Binns	
David P. Cook	(by telephone)
Robert L. Foley	(by telephone)
Douglas S. Foxley	(by telephone)
Susan D. Johnson	(by telephone)
Frank Peczuh, Jr.	(by telephone)
Richard L. Shipley	(by telephone)
Tyler L. Tolson	(by telephone)

MEMBER EXCUSED

Scott R. Watterson

UNIVERSITY REPRESENTATIVES PRESENT

Stan L. Albrecht	President (by telephone)
Raymond T. Coward	Executive Vice President and Provost (by telephone)
David T. Cowley	Vice President for Business and Finance
Sydney M. Peterson	Chief of Staff and Board of Trustees Secretary (by telephone)
Craig J. Simper	General Counsel (by telephone), for part of the discussion

OTHERS PRESENT

Neil Abercrombie	Director of Government Relations, effective December 8, 2010 (by telephone)
------------------	--

Chair Pierce-Moore conducted the meeting and welcomed those present.

Personnel, property, and legal issues were discussed.

The Executives Session adjourned at 10:30 a.m.

\_\_\_\_\_  
Suzanne Pierce-Moore, Chairman

\_\_\_\_\_  
Sydney M. Peterson, Secretary

\_\_\_\_\_  
Date Approved

REGULAR MEETING  
UTAH STATE UNIVERSITY BOARD OF TRUSTEES  
TELEPHONE CONFERENCE CALL  
DECEMBER 3, 2010

Minutes of the Regular Meeting of the Utah State University Board of Trustees held in Old Main, Champ Hall, Room 136 at 10:35 a.m.

MEMBERS PRESENT

Suzanne Pierce-Moore	Chair (by telephone)
Ronald W. Jibson	Vice Chair (by telephone)
Ralph W. Binns	
David P. Cook	(by telephone)
Robert L. Foley	(by telephone)
Douglas S. Foxley	(by telephone)
Susan D. Johnson	(by telephone)
Frank Peczuh, Jr.	(by telephone)
Richard L. Shipley	(by telephone)
Tyler L. Tolson	(by telephone)

MEMBER EXCUSED

Scott R. Watterson

UNIVERSITY REPRESENTATIVES PRESENT

Stan L. Albrecht	President (by telephone)
Raymond T. Coward	Executive Vice President and Provost (by telephone)
David T. Cowley	Vice President for Business and Finance
M. Kay Jeppesen	Vice President and CIO for Information Technology
Brent C. Miller	Vice President for Research
F. Ross Peterson	Vice President for University Advancement (by telephone)
Ned M. Weinshenker	Vice President for Strategic Ventures and Economic Development
John Allen	Dean of the College of Humanities and Social Sciences
Dwight E. Davis	Associate Vice President for Auxiliary Services
John DeVilbiss	Executive Director of Public Relations and Marketing
Beth E. Foley	Dean of the Emma Eccles Jones College of Education and Human Services
Bradford Hall	Head of the Department of Languages, Philosophy, and Speech Communication

Scott Hinton	Dean of Engineering
William Jensen	Vice President of the Professional Employees Association
Michelle B. Larson	Assistant Provost
Douglas Lemon	President of the Utah State University Research Foundation
Gretchen Peacock	Head of the Department of Psychology
Edward Pease	Head of the Department of Journalism and Communication
Sydney M. Peterson	Chief of Staff and Board of Trustees Secretary (by telephone)
Ronald Sims	Head of the Department of Biological Engineering
Mira G. Thatcher	Secretary

OTHERS PRESENT

Neil A. Abercrombie                      Director of Government Relations, effective December 8, 2010  
(by telephone)

MEMBERS OF THE MEDIA PRESENT

Kevin Opsahl                                *The Herald Journal*

Chair Pierce-Moore conducted the meeting and welcomed those present.

I. Chairman's Report

A. ASUSU Report

Trustee Tolson reported on the following:

- Trustee Tolson and Vice President Morales attended a conference in San Diego which focused on building recreation and community centers.
- There is a campaign encouraging students to gain experience by joining campus clubs and organizations.
- There are six Executive Council student leaders receiving compensation. The budget is \$80,000 in the red. Possible solutions are being discussed.
- Programs are helping to increase the amount of food available in the student food pantry.
- Students are participating in a program for training professionals. The students will receive a Certificate of Leadership which will complement their degrees.
- Trustee Tolson is submitting resumes for summer work, and his wife is participating in a violin concerto competition.

B. Alumni Association Report

Trustee Binns reported on the following:

- The Alumni Association continues to build bridges of association by recognizing individuals who have served the Alumni Association and USU.
- Randy and Kathy Watts from Logan, Sydnee Madsen from Salt Lake City, and Dennis and Lynn Sessions from Idaho Falls received Hall of Honor awards.
- An alumni event was held in conjunction with the basketball game in Denver on December 1. Over 100 people attended.
- Several events will be held in Washington, D.C., the weekend of December 3 in conjunction with the USU vs Georgetown game.
- Alumni travel plans for 2011 include Civil War Battlefields lead by Ross Peterson April 9-15; and Civil Rights sites in Georgia in conjunction with the Auburn football game Labor Day weekend.
- Founder's Day will be held in March. President Albrecht is contacting individuals who have been chosen to receive the Distinguished Alumnus award.
- Trustee Binns asked for names of individuals who should receive recognition from USU.

C. Trustees Workshop, January 7, 2011

Chair Pierce-Moore indicated that a half-day Workshop will be held on January 7, 2011.

D. Date of the Next Board of Trustees Meetings

The next Board of Trustees meeting will be held on Friday, January 7, 2011, in conjunction with the Workshop if necessary, or on March 18, 2011, as a telephone conference call.

II. President's Report

A. Legislative Priorities

President Albrecht reported that Neil A. Abercrombie will become the Director of Government Relations for USU effective December 8. He went to Washington, D.C., with President Albrecht to meet with David Lee.

B. Recent Events

1. Homecoming, October 22-23, 2010
2. Football – Hawaii at USU, October 23, 2010
3. Salt Lake Chamber Governing Board, October 26, 2010
4. NCAA Division I Board of Directors Meeting in Indianapolis, Indiana, October 28, 2010
5. Sunrise Session, October 29, 2010
6. Board of Regents at University of Utah, October 29, 2010
7. Aggie Auction, October 29, 2010
8. Football – USU at Nevada, October 30, 2010
9. Anthony Chen Inaugural Lecture, November 2, 2010
10. USURF Board Dinner, November 4, 2010
11. Alumni Hall of Honor, November 5, 2010
12. Football – New Mexico at USU, November 6, 2010
13. Kim Corbin-Lewis Inaugural Lecture, November 8, 2010
14. Governor’s Excellence in Education, November 9, 2010
15. Janis Boettinger Inaugural Lecture, November 9, 2010
16. Football – USU at San Jose State, November 13, 2010
17. Men’s Basketball – Weber State at USU, November 13, 2010
18. APLU Annual Meetings in Dallas, Texas, November 14-16, 2010
19. John Gilbert Inaugural Lecture, November 17, 2010
20. Men’s Basketball – USU at BYU, November 17, 2010
21. Football – Idaho at USU, November 20, 2010
22. Men’s Basketball – USU at Southern Utah, November 20, 2010
23. Salt Lake Chamber Governing Board, November, 23, 2010
24. Men’s Basketball – University of Utah at USU, November 24, 2010
25. Men’s Basketball – Northeastern at USU, November 27, 2010
26. Council of Presidents, November 30, 2010
27. USHE Presidential Retreat, December 2, 2010
28. USU Board of Trustees (teleconference), December 3, 2010
29. American Festival Chorus Holiday Concert, December 4, 2010
30. Football – USU at Boise State, December 4, 2010
31. Men’s Basketball – USU at Georgetown, December 4, 2010

C. Upcoming Events

1. Regents/Legislators/Commissioner Meeting, December 7, 2010
2. Men’s Basketball - Long Beach State at USU, December 7, 2010
3. Wells Fargo Northern Utah Community Board, December 8, 2010
4. Board of Regents, December 9, 2010
5. Men’s Basketball – Cal State Bakersfield at USU, December 11, 2010
6. Friends of Utah Higher Education, December 15, 2010
7. Men’s Basketball – Idaho State at USU, December 21, 2010

8. Men's Basketball – Western Michigan at USU, December 22, 2010
9. Men's Basketball – Troy at USU, December 23, 2010
10. Men's Basketball – Hawaii at USU, December 29, 2010
11. Men's Basketball – San Jose State at USU, December 31, 2010
12. Council of Presidents, January 4, 2011
13. USU Board of Trustees (workshop), January 7, 2011

### III. Consent Agenda

Trustees were given the following consent agenda material for their consideration:

- Minutes of the Executive Session Held on October 22, 2010
  - Minutes of the Regular Meeting Held on October 22, 2010
  - Resolution 10-12-1 Faculty and Staff Adjustments (Appendix A)
  - Resolution 10-12-2 Certificate of the Treasurer for September 2010 (Appendix B)
  - Resolution 10-12-3 Report of Investments for September 2010 (Appendix C)
  - Resolution 10-12-4 Delegation/Administration Reports for October 8, 2010, to November 12, 2010 (Quarterly Reports) (Appendix D)
  - Resolution 10-12-5 Report of Institutional Discretionary Funds for 2009-2010 (Actual), 2010-2011 (Estimate), and 2011-2012 (Estimate) and Institutional Discretionary Funds Supplemental Report of Budget Variances for the Fiscal Year Ended 30 June 2010 (Appendix E)
  - Resolution 10-12-6 Auxiliary and Service Enterprises Annual Reports for FY 2009-2010 (Appendix F)
  - Resolution 10-12-7 Contract/Grant Proposals and Awards for September 2010 (Appendix G)
  - Resolution 10-12-8 Contract/Grant Proposals and Awards for October 2010 (Appendix H)
  - Resolution 10-12-9 Utah State University Research Foundation Recommendation for Appointments to the Research Foundation Board (Appendix I)
- Executive Session to be held on January 7, 2011, to discuss those items which are permitted by law to be discussed in Executive Session.

Action: Trustee Foxley moved approval of the Consent Agenda items, and Trustee Binns seconded the motion. The voting was unanimous in the affirmative.



IV. Action Agenda

A. Proposal from the College of Engineering to Establish a Sustainable Waste-to-Bioproducts Engineering Center

Trustees were given the proposal from the College of Engineering to establish a Sustainable Waste-to-Bioproducts Engineering Center (Appendix J) for their consideration.

Provost Coward indicated that the proposal is a unique joint effort between the College of Engineering Department of Biological Engineering and the Environmental Department of Logan City.

Dean Hinton said Ronald Sims, Head of the Department of Biological Engineering, has been working for some time with Issa Hamud, Director of the Logan City Environmental Department, to develop this program. More than \$1 million will be available through this partnership. The center will utilize resources and facilities of Logan City located at the Logan Lagoon Wastewater Treatment Plant and the Logan Landfill which provide the opportunity to create the joint research center.

Dr. Sims said the collaboration with Logan City will make it possible to develop new technologies that will convert wastes into bioproducts for use by municipalities and industries. It will be cost effective and will meet national standards. All communities in Utah will face new regulations. Logan City will provide the opportunity for students to be involved, and the center will provide focus. Dr. Simms indicated that no new staff will be required.

Chair Pierce-Moore asked if other cities will be involved. Dean Hinton said they are actively recruiting, and both communities and industrial firms have expressed interest. He said they will move forward after the proposal is approved by the Trustees.

Action: Trustee Binns moved approval of Resolution 10-12-10 the proposal from the College of Engineering to Establish a Sustainable Waste-to-Bioproducts Engineering Center (Appendix J). Trustee Johnson seconded the motion, and the voting was unanimous in the affirmative.

B. Program Review for the Combined Clinical, Counseling and School Psychology Ph.D. Program in the Department of Psychology in the Emma Eccles Jones College of Education and Human Services

Trustees were given the program review for the Combined Clinical, Counseling and School Psychology Ph.D. program in the Department of Psychology in the Emma Eccles Jones College of Education and Human Services (Appendix K) for their consideration.

Provost Coward said the program is accredited by the American Psychological Association (APA). Dean Foley said the APA made a site visit in September 2009, and the result was positive.

Gretchen Peacock, Head of the Department of Psychology, said this program has been accredited since 1976. She reported that following the recent review, the program was awarded accreditation for seven additional years, which is the maximum number of years allowed. The last two reviews have been scheduled in five year cycles. She said they are happy with the outcome. She credited Susan Crowley, Professor in the Psychology Department, for her work in preparing the documentation for the review.

Dr. Peacock said the program trains students in three areas, child clinical/school; health/neuropsychology; and rural/multicultural. Graduates are employed by clinics, community mental health organizations, hospitals, private practices, and in research. Four or five graduates are working as military psychologists in Afghanistan and Iraq. She stated that graduates have no problem getting jobs.

Action: Trustee Jibson moved approval of Resolution 10-12-11 the program review for the Combined Clinical, Counseling and School Psychology Ph.D. program in the Department of Psychology in the Emma Eccles Jones College of Education and Human Services (Appendix K). Trustee Cook seconded the motion, and the voting was unanimous in the affirmative.

C. Program Review for the Department of Languages, Philosophy, and Speech Communication in the College of Humanities and Social Sciences

Trustees were given the program review for the Department of Languages, Philosophy, and Speech Communication in the College of Humanities and Social Sciences (Appendix L) for their consideration.

Provost Coward said the review of the Department addressed Languages, Philosophy, and Speech Communication generally, as well as each section separately.

Dean John Allen said the Department is serious about the review, and is making modifications as recommended. There are eight undergraduate majors, fourteen undergraduate minors, and one graduate program. It is a large section of the College of Humanities and Social Sciences.

Bradford Hall, Head of the Department of Languages, Philosophy, and Speech Communication, stated that the review went well and was positive. He said that the most important item in the review was the affirmation of the excellence of the faculty and others in the department. The students in the program are also excellent students. He pointed out that the debate team took the national championship in Minnesota last year.

Dr. Hall said the recommendations were good, and some have already been addressed, such as the lack of proper space. Provost Coward and Dean Allen were helpful in making space adjustments for this semester. The Department has hired two full-time instructors to help teach more language, general education, philosophy, and speech courses. They are in the process of hiring faculty for Philosophy, and have 100 applicants for the position. They will also hire a Spanish linguist, and are coordinating curriculum with general education requirements.

Dr. Hall said the Review Committee consisted of one USU faculty member – Jeffrey Smitten; and three off-campus, nationally recognized experts in languages, philosophy, and speech communication.

Provost Coward stated that this review provided an opportunity to look at the program and make corrections. It is part of the constant striving to make the programs better.

Action: Trustee Foley moved approval of Resolution 10-12-12 the program review for the Department of Languages, Philosophy, and Speech Communication in the College of Humanities and Social Sciences (Appendix L). Vice Chair Jibson seconded the motion, and the voting was unanimous in the affirmative.

D. Program Review for the Department of Journalism and Communication in the College of Humanities and Social Sciences

Trustees were given the program review for the Department of Journalism and Communication in the College of Humanities and Social Sciences (Appendix M) for their consideration.

Provost Coward said the Review Committee consisted of one USU faculty member and external reviewers from Arkansas and South Carolina.

Dean Allen said this is one of the largest majors in the College of Humanities and Social Sciences. He said there is a small faculty, and this sometimes creates tension. He is impressed with the leadership of the Journalism Communication Department. The recommendations have been seriously considered, and changes have been made.

Dr. Pease reported that much progress has been made since the review took place two years ago. Two new faculty were hired this year. There are six full-time faculty, plus adjunct professors to teach 400 majors in the areas of print, broadcast, public relations, and multimedia.

There are outstanding students in the program. Courtney Lewis received recognition as the Utah Public Relations Student of the Year both last year and this year. Natalie Curtis, who has a 4.0 grade point average, recently won an award from the National Public Relations Society of America.

Curriculum changes have been instituted. A quantitative intensive course has been created which students are required to take as general education. This has reduced some of the burden from quantitative courses in Agriculture. A multimedia boot camp course, which will be tested next semester, has also been created. It will incorporate writing, reporting, photography, audio, and video for the web. The goal is to create the kinds of multimedia packages that professional communicators need regardless of where they are employed. The Journalism Communication advancement group has been re-established. Two meetings were held in Salt Lake City two weeks ago, and the group was welcomed by alumni and professionals. Trustee Binns suggested that Dr. Pease work with Alumni Relations concerning alumni who could be helpful to the department.

The Journalism Communication Department will move into the new Agriculture building when it is finished next year. There will be a television studio and production suite with opportunity for naming. Multimedia production facilities and offices will be on the third floor.

The Public Relations Student Society of America chapter held a successful regional conference in Logan last March, and will hold it in Logan again in 2011. Journalism students are preparing for the annual Society of Professional Journalist Mark of Excellence awards, which are submitted in January.

Dr. Pease said employment opportunities for graduates vary because the field of public relations is dynamic. Students gain basic skills in several areas including writing, visual literacy, and multimedia training. Students are employed for their communication skills in non-profit organizations, government agencies, small businesses, large businesses, national, and international businesses. The program

strives to help students become flexible and gain critical thinking skills so that they can adapt throughout their careers. Trustees will receive information showing a sampling of recent graduates and the jobs they hold.

Provost Coward added that the review of the program pointed out that the space allocated to the department was insufficient. The decision was made to move the Journalism and Communication Department to the new Agriculture Building when it is completed. The space the department currently occupies will be renovated to create space for another academic department on campus.

Action: Trustee Binns moved approval of Resolution 10-12-13 the program review for the Department of Journalism and Communication in the College of Humanities and Social Sciences (Appendix M). Trustee Johnson seconded the motion, and the voting was unanimous in the affirmative.

E. Land Acquisition – Brigham City

Trustees were given a proposal to purchase approximately 40 acres of land that includes the former Intermountain Indian School in Brigham City, Utah, and two smaller improved commercial parcels adjoining property already owned by USU (Appendix N) for their consideration.

Vice President Cowley said the proposal is to purchase approximately 40 acres in Brigham City adjacent to the former KMART building which USU owns. Part of the land is the former Intermountain Indian School/Bushnell Hospital. All of the buildings that were part of the Intermountain Indian School are vacant and will be removed. Some of the property in the proposed request is owned by the Thomas Development Company. There are also two smaller parcels owned by other individuals. One is a strip mall connected to the former KMART building, and the other property is vacant. The individuals who own the smaller two parcels have also agreed to sell to USU.

Vice President Cowley stated that the purchase price is estimated in the range of \$4 million to \$5 million. Thomas Development paid for an independent appraisal and USU paid for a review of the appraisal. The two appraisals differed so much that there will be a third appraisal. The final price will be based on independent evaluations from appraisers.

The Brigham City Council passed a resolution which states its interest in participating with USU and Thomas Development Company by allocating an RDA tax increment which would make available \$400,000 to \$600,000 to remove the Intermountain Indian School buildings from the site.

Vice President Cowley emphasized that the purpose of buying the property now is not to meet current needs of students in Brigham City. This is a strategic opportunity to acquire land for the future of the Regional Campus in Brigham City. It will provide a long-term opportunity to build as necessary to meet the demands for education in that area.

Trustee Binns asked if the other Regional Campuses in the state are supportive of this growth in the Brigham City area. Provost Coward said that the Regional Campuses are not in competition for students. He said Brigham City could be a large campus, but it may take 25 to 30 years or more to develop.

Trustee Cook asked about environmental concerns. Vice President Cowley said those issues have been considered. With the financial help offered by Brigham City, the cost to USU will be reduced. The property will be cleared as soon as possible in order to alleviate environmental concerns.

Action: Trustee Foxley moved approval of Resolution 10-12-14 the proposal to purchase approximately 40 acres of land that includes property of the former Intermountain Indian School in Brigham City, Utah, and two smaller improved commercial parcels adjoining property owned by USU (Appendix N). Trustee Foley seconded the motion, and the voting was unanimous in the affirmative.

F. Amended and Restated Articles of Incorporation of the Utah State University Research Foundation

Trustees received the amended and restated Articles of Incorporation of the Utah State University Research Foundation (Appendix O) for their consideration.

Douglas L. Lemon, President of the Utah State University Research Foundation, stated that the Articles of Incorporation are reviewed periodically in order to keep them current. He said that the proposed changes were not substantive, but were procedural matters.

Dr. Lemon reviewed the changes to the Articles as follows:

- Article IV had previously listed "Michael Pavich" as the registered agent. The Article now lists the "President of the Foundation" as the registered agent.
- The document had an article concerning members, but since there are no members, that article was deleted.
- Article XIII previously indicated that the "Chairman of the Board" prepared the annual financial statement. That was changed to indicate that the "Treasurer of the Foundation shall prepare and submit ... an annual financial statement..."

Action: Trustee Foxley made a motion to approve Resolution 10-12-15 the amended and restated Articles of Incorporation of the Utah State University Research Foundation (Appendix O). Trustee Foley seconded the motion, and the voting was unanimous in the affirmative.

The Regular Meeting adjourned at 11:20 a.m.

---

Suzanne Pierce-Moore, Chairman

---

Sydney M. Peterson, Secretary  
(Minutes Taken by Mira G. Thatcher)

---

Date Approved

07 January 2011

**ITEM FOR ACTION**

**RE:** Faculty and Staff Adjustments

The attached faculty and staff adjustments are submitted for the Trustees consideration. They have received the appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

The faculty and staff adjustments include two (2) changes in title or assignment; and one (1) new appointment.

**RECOMMENDATION**

The President and Provost recommend that the Board of Trustees approve the attached faculty and staff adjustments.



**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The President and the Provost recommend that the Board of Trustees approve two (2) changes in title or assignment; and one (1) new appointment;

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approve the recommendation of the faculty and staff adjustments.

---

RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

---

Date

**Faculty and Staff Adjustments**

**a. Change in Title or Assignment**

**Emma Eccles Jones College of Education and Human Services**

Kim Corbin-Lewis, Interim Department Head and Professor, Department of Communicative Disorders and Deaf Education, Emma Eccles Jones College of Education and Human Services, to be Department Head and Professor of the same, effective 01 January 2011. Change in salary to \$139,187/12-month.

**College of Science**

Edmund D. Brodie, Jr., Professor, Department of Biology, College of Science, to be Department Head and Professor, Department of Biology, College of Science, replacing Daryll DeWald, effective 01 January 2011. Change in salary to \$151,011/12-month.

**b. New Appointment**

Foster A. Agblevor, Professor with tenure, Department of Biological Engineering, College of Engineering, effective 01 January 2011. B.Sc. University of Science and Technology, Kumasi, Ghana, 1979; M.A.Sc. University of Toronto, Canada 1984; Ph.D. University of Toronto, Canada, 1988. Salary to be \$180,000/12-month.

7 January 2011

**ITEM FOR ACTION**

**RE: Certificate of Treasurer for October 2010**

The attached Certificate of Treasurer for October 2010 is submitted for the Trustees consideration. It has received the appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

The State Appropriated Funds budget at 31 October 2010 totaled \$270,873,310, up \$21,288,282 (8.53%) over the same 2009-2010 period. The year-to-date state appropriated funds expenditures totaled \$84,696,848, up \$10,107,555 (13.55%) over the same 2009-2010 period and represented 31% of the total budget. The percent of budget expended, 31%, was 2% less than would be expected to be spent on a strict time of budget year expired basis.

Total expenditures for all funds totaled \$206,212,444, up \$23,389,993 (12.79%) over the same 2009-2010 period.

**RECOMMENDATION**

The President and Vice President for Business and Finance recommend that the Board of Trustees approve the Certificate of Treasurer for October 2010.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, Authorized invoices and supporting papers have been filed pertaining to those expenditures listed on the attached Certificate of Treasurer; and

WHEREAS, Expenditures listed on the attached Certificate of Treasurer have been reviewed and approved for payment by the USU Controller's Office, Purchasing Department, and other departments; and

WHEREAS, The expenditures listed on the attached Certificate of Treasurer are in accordance with the laws and rules of Utah State University and the State of Utah; and

WHEREAS, The Chief Financial Officer for Utah State University, David T. Cowley, Vice President for Business and Finance, has certified to the best of his knowledge and belief that all expenditures listed on the attached Certificate of Treasurer were legitimate claims against Utah State University and funds were available for payment of said claims; and

WHEREAS, Vice President Cowley requests approval of the listed expenditures by fund for the period 1 July 2010 to 31 October 2010 on the attached Certificate of Treasurer; and

WHEREAS, The President of Utah State University has reviewed the attached Certificate of Treasurer and recommends its approval of those expenditures listed thereon by the Utah State University Board of Trustees; and

WHEREAS, The USU Board of Trustees has reviewed and given due consideration, review, and authorization of the expenditures listed on the attached Certificate of Treasurer;

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approves the attached Certificate of Treasurer as presented and ratifies the expenditures listed on said Certificate of Treasurer for October 2010.

---

---

RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

\_\_\_\_\_  
Date

**CERTIFICATE OF TREASURER**

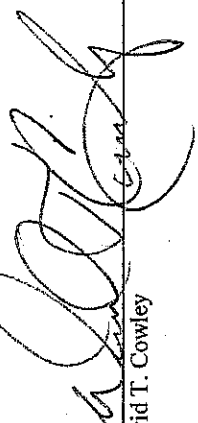
I, David T. Cowley, Vice President for Business and Finance, of Utah State University, do hereby certify as follows and request approval of the listed expenditures by fund for the period 1 July 2010 to 31 October 2010.

Authorization, invoices, and supporting papers have been filed pertaining to the following enumerated expenditures, which have been reviewed and processed for payment by the Controller's Office, Purchasing Department, and other departments; according to the laws, rules, and regulations of Utah State University and the State of Utah. To the best of my knowledge and belief, all are legitimate claims against Utah State University and funds were available for payment of said claims.

State Appropriated Funds	Budget	Percent of Budget Expended (33% Fiscal Year Expired)	1-Oct-10 31-Oct-10	Year to Date	Prior Year to Date	Increase (Decrease) from Prior Year	Percent Increase (Decrease) from Prior Year
Education and General (Except Athletics) Athletics - USU	\$171,371,345	31%	\$13,340,400	\$52,476,618	\$52,937,563	(\$460,945)	(0.87) %
Agricultural Experiment Station	3,789,385	34%	322,562	1,300,521	1,062,333	238,188	22.42 %
UWRL Appropriation	15,827,415	25%	869,657	3,877,939	3,387,473	490,466	14.48 %
UWRL Apportionment	3,158,410	19%	129,980	587,631	460,634	126,997	27.57 %
Tooele - Cont. Ed. Center	5,706,506	20%	269,910	1,129,746	1,197,309	(67,563)	(5.64) %
Educationally Disadvantaged	8,619,067	42%	1,374,747	3,657,878	2,759,775	898,103	32.54 %
Southeastern Utah - Cont. Ed. Center	267,366	20%	13,055	52,770	55,650	(2,880)	(5.18) %
Uintah Basin - Cont. Ed. Center	1,396,675	36%	187,052	505,626	556,893	(51,267)	(9.21) %
Cooperative Extension	5,888,173	28%	412,067	1,654,453	1,806,022	(151,569)	(8.39) %
Brigham City - Cont. Ed. Center	13,453,729	28%	908,443	3,794,449	3,585,545	208,904	5.83 %
USTAR	13,065,605	64%	3,712,674	8,404,579	5,451,476	2,953,103	54.17 %
Price (USU-CEU)	8,900,790	16%	682,918	1,389,302	1,328,620	60,682	4.57 %
Blanding Campus (USU-CEU)	14,631,218	29%	1,064,824	4,276,397	-	4,276,397	-
Educationally Disadvantaged (USU-CEU)	3,061,026	36%	276,632	1,086,904	-	1,086,904	-
Prehistoric Museum (USU-CEU)	105,000	45%	2,090	46,793	-	46,793	-
Workforce Education (USU-CEU)	255,700	30%	22,324	76,544	-	76,544	-
Total State Appropriated Funds	1,375,900	28%	95,655	378,698	-	378,698	-
	\$270,873,310	31%	23,684,990	84,696,848	74,589,293	10,107,555	13.55 %
Total State Appropriated Funds 2009-2010	\$249,585,028						
Increase from 2009-2010	\$21,288,282						
Percent Increase from 2009-2010	8.53%						

	1-Oct-10		Year to Date		Prior Year		Increase		Percent Increase (Decrease) from Prior Year
	1-Oct-10	31-Oct-10	Year to Date	to Date	Prior Year	to Date	Increase (Decrease) from Prior	Year	
<b>Other Unrestricted Funds</b>									
Overhead Reimbursement for R & D Designated	\$687,050	\$2,518,273	\$2,518,273	\$2,465,308	\$52,965	2.15 %			
Service Departments	2,444,818	13,723,074	13,723,074	12,885,248	837,826	6.50 %			
Auxiliary Enterprises (Except Athletics)	3,305,704	13,693,107	13,693,107	13,103,354	589,753	4.50 %			
Athletics - USU	2,333,139	13,025,935	13,025,935	11,736,078	1,289,857	10.99 %			
	970,629	4,131,610	4,131,610	4,369,647	(238,037)	(5.45) %			
	\$9,741,340	\$47,091,999	\$47,091,999	44,559,635	\$2,532,364	5.68 %			
<b>Other Restricted Funds</b>									
Instruction	1,503,472	5,484,074	5,484,074	4,193,976	1,290,098	30.76 %			
Research	5,148,169	18,539,688	18,539,688	17,250,337	1,289,351	7.47 %			
Public Service	2,974,140	13,113,982	13,113,982	12,013,728	1,100,254	9.16 %			
Academic Support	317,039	1,392,184	1,392,184	1,226,854	165,330	13.48 %			
Student Services	252,602	947,455	947,455	923,514	23,941	2.59 %			
Institutional Support	48,764	339,204	339,204	254,737	84,467	33.16 %			
Operation and Maintenance of Plant	2,105	4,162	4,162	16,776	(12,614)	(75.19) %			
Scholarships and Fellowships	624,184	25,797,040	25,797,040	20,037,522	5,759,518	28.74 %			
Service Departments	1,944	2,986	2,986	6,313	(3,327)	(52.70) %			
Auxiliary Enterprises	90,684	276,895	276,895	249,556	27,339	10.96 %			
	10,963,103	65,897,670	65,897,670	56,173,313	9,724,357	17.31 %			
<b>Other Funds</b>									
Plant Funds	3,528,810	7,767,666	7,767,666	7,085,310	682,356	9.63 %			
Associated Students	250,416	615,970	615,970	358,813	257,157	71.67 %			
Other Agency Funds	40,811	142,291	142,291	56,087	86,204	153.70 %			
	3,820,037	8,525,927	8,525,927	7,500,210	1,025,717	13.68 %			
	\$48,209,470	\$206,212,444	\$206,212,444	\$182,822,451	\$23,389,993	12.79 %			

12/17/10  
Date

  
David T. Cowley

7 January 2011

## ITEM FOR ACTION

### RE: Report of Investments for October 2010

The attached Report of Investments for October 2010 is submitted for the Trustees consideration. It has received the appropriate administrative review and approval.

## EXECUTIVE SUMMARY

This set of investment reports presents investment activity for October 2010 and comparative year-to-date totals for FY 2010-2011 and FY 2009-2010.

### CASH MANAGEMENT INVESTMENT POOL

The average daily fair value invested during October 2010 was \$258,493,103, down \$1,793,764 from September 2010. Total investment income was \$318,436, down \$168,980 from September 2010, reflecting the decrease in the amount available for investing and a decrease in total investment return. The annualized total investment return was 1.43%, down .82% from September 2010.

Year-to-date numbers show that the average daily fair value invested for FY 2010-2011 was \$244,609,018, up \$27,672,576 (12.76%) over FY 2009-2010. Total interest income for FY 2010-2011 amounted to \$3,180,518, down \$129,277 (3.91%) from FY 2009-2010, reflecting an increase in the amount available for investing and a decrease in interest rates.

The total amount invested at 31 October 2010 was \$259,213,020 up \$30,724,332 (13.45%) over 31 October 2009.

### ENDOWMENT POOL

The average daily fair value invested during October 2010 was \$88,185,175, up \$4,500,555 over September 2010. Interest and dividend income of \$172,153 plus net realized gains of \$4,316 totaled \$176,469 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2010-2011 was \$84,071,316 up \$10,465,201 (14.22%) over FY 2009-2010. Total realized income for FY 2010-2011 was \$807,107, up \$170,659 (26.81%) over FY 2009-2010. This increase resulted from \$169,182 more in interest and dividends and \$1,477 more net realized gains during FY 2010-2011. The total amount invested at 31 October 2010 was \$90,750,405, up \$15,451,639 (20.52%) over 31 October 2009.

The total amount invested at 31 October 2010 was \$90,750,405, up \$15,451,639 (20.52%) over 31 October 2009.

## OTHER INVESTMENTS

The average daily fair value invested during October 2010 was \$17,755,972, down \$1,001,496 from September 2010. Interest and dividend income of \$34,211 plus net realized gains of \$832,380 totaled \$866,591 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2010-2011 was \$19,344,556, up \$17,388,357 (888.88%) over FY 2009-2010. Total realized income for FY 2010-2011 was \$989,952, up \$983,884 (16,214.30%) over FY 2009-2010. This increase resulted from \$147,187 more in interest and dividend income and \$836,697 more in net realized gains during FY 2010-2011.

The total amount invested at 31 October 2010 was \$16,377,075, up \$14,398,652 (727.78%) over 31 October 2009.

## ENDOWMENT TRUSTS

The average daily fair value invested during October 2010 was \$6,784,023 up \$1,203,253 over September 2010. Interest and dividend income of \$14,645 plus net realized gains of \$1,170 totaled \$15,815 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2010-2011 was \$5,277,967, up \$1,078,443 (25.68%) over FY 2009-2010. Total realized income for FY 2010-2011 was \$135,326, down \$58,803 (30.29%) from FY 2009-2010. This decrease resulted from \$20,486 more interest and dividend income and \$79,289 less net realized gains during FY 2010-2011.

The total amount invested at 31 October 2010 was \$6,774,460, up \$2,437,946 (56.22%) over 31 October 2009.

## PLANT FUND TRUSTS

The average daily fair value invested during October 2010 was \$3,331,120, down \$1,787,741 from September 2010. Interest income totaled \$8,760 in realized income for the month.

Year-to-date numbers show that the average daily fair value invested for FY 2010-2011 was \$6,136,052, down \$15,933,230 (72.20%) from FY 2009-2010. Total realized income for FY 2010-2011 was \$36,123, down \$10,923 (23.22%) from FY 2009-2010. This decrease reflects the decreased amount available for investing and an increase in the rate of return.

The total amount invested at 31 October 2010 was \$3,296,782, down \$17,494,560 (84.14%) from 31 October 2009.



### SUMMARY OF INVESTMENT TRANSACTIONS

The University's average daily fair value invested for the month of October was \$374,549,393. Purchases totaled \$24,259,508 and sales totaled \$32,165,914. From this activity the University realized net gains of \$837,866 and earnings of \$1,133,993.

### RECOMMENDATION

The President and Vice President for Business and Finance recommend that the Board of Trustees approve the Report of Investments for October 2010.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The attached Report of Investments containing authorized transactions, documentation, and supporting papers has been filed for review by the Board of Trustees pertaining to the investment activities; and

WHEREAS, The investment transactions listed on the attached Report of Investments have been approved by the USU Controller's Office; and

WHEREAS, The investment activities listed on the attached Report of Investments are in accordance with the Utah State Money Management Act, the rules of the Utah State Money Management Council, the Utah State Uniform Prudent Management of Institutional Funds Act, and the laws and rules of Utah State University and the State of Utah; and

WHEREAS, The Chief Financial Officer for Utah State University, David T. Cowley, Vice President for Business and Finance, has certified to the best of his knowledge and belief all investment transactions listed on the attached Report of Investments were made in accordance with the guidelines, rules, and laws; and

WHEREAS, Vice President Cowley requests approval of the attached Report of Investments for the period 1 October 2010 to 31 October 2010 and comparative year-to-date totals for the periods 1 July 2010 to 31 October 2010 and 1 July 2009 to 31 October 2009; and

WHEREAS, The President of Utah State University has reviewed the attached report and recommends its approval by the Utah State University Board of Trustees; and

WHEREAS, The USU Board of Trustees has reviewed and given due consideration, review, and authorization of the investment transactions listed on the attached Report of Investments for the period 1 October 2010 to 31 October 2010 and comparative year-to-date totals for the periods 1 July 2010 to 31 October 2010 and 1 July 2009 to 31 October 2009;

NOW, THEREFORE, BE IT RESOLVED, That the USU Board of Trustees hereby approves the attached Report of Investments as presented and ratifies the transactions listed on said Report of Investments for October 2010.

---

RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

---

Date



OFFICE OF THE VICE PRESIDENT  
FOR FINANCE AND BUSINESS  
1445 Old Main Hill  
Logan, UT 84322-1445  
(435) 797-1146  
FAX: (435) 797-0710

UTAH STATE UNIVERSITY  
REPORT OF INVESTMENTS  
OCTOBER 2010

The following schedules (A through E2) provide a report of the University's Investments. To the best of my knowledge, Utah State University is in compliance with the Utah State Money Management Act and the rules of the Utah State Money Management Council and the Utah State Uniform Prudent Management of Institutional Funds Act.

Rick G. Allen  
Controller

12/14/10  
Date

David T. Cowley  
Vice President for Business and Finance

12/14/10  
Date

UTAH STATE UNIVERSITY  
CASH MANAGEMENT INVESTMENT POOL  
SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule A-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest Income	Less Service Charges	Net Interest Income
Jul 2010	\$216,853,500	\$46,000,000	\$32,833,952	(\$621,355)	\$229,398,193	\$222,812,096	\$698,576	\$245	\$698,331
Aug 2010	229,398,193	68,205,650	36,600,000	792,325	261,796,168	236,844,006	762,942	(85)	763,027
Sep 2010	261,796,168	38,000,000	34,000,000	(327,360)	265,468,808	260,286,867	814,776	(175)	814,951
Oct 2010	265,468,808	20,330,000	26,000,000	(585,788)	259,213,020	258,493,103	904,224	1,359	902,865
Nov 2010									
Dec 2010									
Jan 2011									
Feb 2011									
Mar 2011									
Apr 2011									
May 2011									
Jun 2011									

Comparative Totals:

Year-to-date									
FY 2010-11	\$216,853,500	\$172,535,650	\$129,433,952	(\$742,178)	\$259,213,020	\$244,609,018	\$3,180,518	\$1,344	\$3,179,174
FY 2009-10	199,880,452	116,651,312	88,208,255	165,179	228,488,688	216,936,442	3,309,795	2,303	3,307,492
Amt Change					30,724,332	27,672,576	(129,277)	(959)	(128,318)
% Change					13.45%	12.76%	-3.91%	-41.64%	-3.88%

Note: The Cash Management Investment Pool includes cash of all funds over estimated daily operating requirements.

UTAH STATE UNIVERSITY  
 CASH MANAGEMENT INVESTMENT POOL  
 SUMMARY OF INVESTMENT TRANSACTIONS AND PERFORMANCE  
 For the Month of October 2010

Schedule A-2

	Sales		Earnings	Change in Fair Value	Total Investment Income	Average Daily Fair Value	Annualized Total Investment Return
	Purchases	Cost					
Money Market Account	\$12,000,000	\$12,000,000	\$12,343		\$12,343	\$20,232,258	0.71%
Utah Public Treasurers' Investment Fund			44		44	100,000	0.51%
Time Certificates of Deposit			404,361		404,361	98,000,000	4.79%
Commercial Paper and Corporate Notes			99,686	(\$13,700)	85,986	5,214,550	19.15%
Obligations of U. S. Government		14,000,000	374,508	(509,030)	(134,522)	131,721,779	-1.19%
Municipal Bonds	8,330,000		13,282	(63,058)	(49,776)	3,224,516	-17.93%
Total	\$20,330,000	\$26,000,000	\$904,224	(\$585,788)	\$318,436	\$258,493,103	1.43%

UTAH STATE UNIVERSITY  
 SUMMARY OF CASH MANAGEMENT INVESTMENT POOL TRANSACTIONS  
 For the Month of October 2010

Schedule A-3

	Purchases		Sales		Gain/(Loss)	Earnings
	Shares	Cost	Shares	Cost		
<b>Cash Management Investment Pool</b>						
Money Market Account		\$12,000,000		\$12,000,000	\$0	\$12,343
Utah Public Treasurers' Investment Fund						44
Time Certificates of Deposit						404,361
Commercial Paper and Corporate Notes				14,000,000	0	99,686
Obligations of U. S. Government		8,330,000				374,508
Municipal Bonds						13,282
<b>Total Cash Management Investment Pool</b>		<u>\$20,330,000</u>		<u>\$26,000,000</u>	<u>\$0</u>	<u>\$904,224</u>

UTAH STATE UNIVERSITY  
ENDOWMENT POOL

SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule B-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest and Dividends	Realized Gain or (Loss)	Total Realized Income	Less Expenses	Net Realized Income/(Loss)
*Jul 2010	\$80,490,686	\$507,378	\$419,279	\$2,716,693	\$83,295,478	\$81,893,082	\$247,666	\$3,479	\$251,145	\$6,888	\$244,257
Aug 2010	83,295,478	482,862	366,240	(1,662,805)	81,749,295	82,522,387	176,817	3,758	180,575	6,826	173,749
Sep 2010	81,749,295	308,559	197,761	3,759,851	85,619,944	83,684,620	195,214	3,704	198,918	9,583	189,335
Oct 2010	85,619,944	3,594,700	246,451	1,782,212	90,750,405	88,185,175	172,153	4,316	176,469	7,471	168,998
Nov 2010											
Dec 2010											
Jan 2011											
Feb 2011											
Mar 2011											
Apr 2011											
May 2011											
Jun 2011											
<hr/>											
<hr/>											
<hr/>											
Comparative Totals:											
Year-to-date											
FY 2010-11	\$80,490,686	\$4,893,499	\$1,229,731	\$6,595,951	\$90,750,405	\$84,071,316	\$791,850	\$15,257	\$807,107	\$30,768	\$776,339
FY 2009-10	69,522,394	3,935,923	3,214,786	5,055,235	75,298,766	73,606,115	622,668	13,780	636,448	52,689	583,759
Amt Change					15,451,639	10,465,201	169,182	1,477	170,659	(21,921)	192,580
% Change					20.52%	14.22%	27.17%	10.72%	26.81%	-41.60%	32.99%

Note: The Endowment Pool includes endowment funds designated for long-term investment. Included in this pool are endowment funds invested in the University's Cash Management Investment Pool (CMIP) consisting of \$30,258,801 principal beginning balance, a \$31,338,154 ending balance, and a \$31,208,583 average daily balance for the current month. Current month interest and dividends from the CMIP were \$108,034 bringing the total to \$394,130 year-to-date. These amounts have also been reported in Schedules A-1 and A-2.

\*The July beginning fair value has been adjusted to reflect the amount distributed to expendable accounts at fiscal year end.

UTAH STATE UNIVERSITY  
SUMMARY OF ENDOWMENT POOL TRANSACTIONS  
For the Month of October 2010

Schedule B-2

	Purchases		Sales		Earnings
	Shares	Cost	Shares	Cost	
<b>Endowment Pool Transactions</b>					
Cash Management Investment Pool					
Utah State University		\$938,494		\$128,951	\$108,034
College of Eastern Utah		269,810			
Obligations of U.S. Government			31.090	31	2,526
GNMA					594
Interest					7,959
Corporate Bonds and Notes					9,431
Bond Interest					
Equities					
Wells Fargo Advantage Index Fund #88					
UTS SPDR Trust Ser 1 (SPY)					
Mutual Funds					
Multi-Strategy Bond Fund	69,407.584	993,223	67.750	785	13,922
Multi-Strategy Equity Fund	6,866.308	1,259,144	32.470	1,823	40,371
Alternatives					
Morgan Stanley					
Morgan Stanley TALF Fund (Cayman) L.P.					(16,849)
TIAA-CREF					
TIAA-CREF Core Property			1.184		3,274
Cash		3,274		10,565	
Woodbury					
Woodbury Strategic Partners Fund, L.P.		98,833			1,613
WSP Centre Point Co-Investors, LLC					1,278
Money Market Funds					
Advantage Cash #250		28,293			
Cash					
Morgan Stanley				99,914	0
Wells Fargo - Custody		3,629		67	0
Total Endowment Pool Transactions		<u>\$3,594,700</u>		<u>\$242,136</u>	<u>\$4,316</u>
				<u>\$246,452</u>	<u>\$172,153</u>



UTAH STATE UNIVERSITY  
OTHER INVESTMENTS  
SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule C-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest and Dividends	Realized Gain or (Loss)	Total Realized Income
*Jul 2010	\$20,724,312	\$1,442,105	\$1,534,562	\$680,738	\$21,312,593	\$21,018,453	\$38,807	\$976	\$39,783
Aug 2010	21,312,593	1,540	2,687,395	(246,670)	18,380,068	19,846,331	37,857	1,166	39,023
Sep 2010	18,380,068	32,676	32,860	754,984	19,134,868	18,757,468	43,894	661	44,555
Oct 2010	19,134,868	74,672	3,267,773	435,308	16,377,075	17,755,972	34,211	832,380	866,591
Nov 2010									
Dec 2010									
Jan 2011									
Feb 2011									
Mar 2011									
Apr 2011									
May 2011									
Jun 2011									

Comparative Totals:

Year-to-date									
FY 2010-11	\$20,724,312	\$1,550,993	\$7,522,590	\$1,624,360	\$16,377,075	\$19,344,556	\$154,769	\$835,183	\$989,952
FY 2009-10	1,900,219	53,242	44,895	69,857	1,978,423	1,956,199	7,582	(1,514)	6,068
Amt Change					14,398,652	17,388,357	147,187	836,697	983,884
% Change					727.78%	888.88%	1941.27%	55264.00%	16214.30%

Note: Other Investments include donor designated and other specified investments. The beginning fair value has been adjusted to include investments previously held by the College of Eastern Utah at 30 June 2010.

UTAH STATE UNIVERSITY  
SUMMARY OF OTHER INVESTMENT TRANSACTIONS  
For the Month of October 2010

Schedule C-2  
Page 1 of 1

	Purchases		Sales		Receipts	Gain/(Loss)	Earnings
	Shares	Cost	Shares	Cost			
<u>Other Investments</u>							
Corporate Bonds and Notes							
U.S. Treasury Bond							\$666
U.S. West Communications							60
Common and Preferred Stock							
Morgan Stanley Smith Barney							
Apple Inc	9,000	\$2,664	9,000	\$2,664	\$2,563	(\$101)	
Bank of America Corp	3,746,000	50,534	3,746,000	50,534	50,247	(287)	
UTS First Trust Portfolio Series 3	877,000	9,990	877,000	9,990	9,990	0	
Utah Public Treasurers' Investment Fund							400
Mutual Funds							
Commonfund							
CEU Endowment Pool							
Multi-Strategy Bond			69,407,584	869,149	993,223	124,074	
Multi-Strategy Equity			6,866,308	747,983	1,259,144	511,161	
CEU Title III							
Multi-Strategy Bond			66,477,788	754,632	951,297	196,665	23,246
Multi-Strategy Equity					1,303	868	9,129
Alternatives							
TriCor	88,416						710
Inland America Real Estate Trust							
		<u>\$74,672</u>		<u>\$2,435,393</u>	<u>\$3,267,773</u>	<u>\$832,380</u>	<u>\$34,211</u>
Total Other Investments							

UTAH STATE UNIVERSITY  
ENDOWMENT TRUSTS

SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule D-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest and Dividends	Realized Gain or (Loss)	Total Realized Income	Less Expenses	Net Realized Income/(Loss)
Jul 2010	\$4,162,814	\$23,027	\$43,830	\$339,682	\$4,481,693	\$4,322,254	\$13,486	\$2	\$13,488	\$500	\$12,988
Aug 2010	4,481,693	232,955	226,654	(120,041)	4,367,953	4,424,823	12,184	(16,557)	(4,373)	0	(4,373)
Sep 2010	4,367,953	3,111,481	1,049,486	363,638	6,793,586	5,580,770	54,463	55,933	110,396	0	110,396
Oct 2010	6,793,586	197,585	261,504	44,793	6,774,460	6,784,023	14,645	1,170	15,815	3,075	12,740
Nov 2010											
Dec 2010											
Jan 2011											
Feb 2011											
Mar 2011											
3 Apr 2011											
May 2011											
Jun 2011											

Comparative Totals:

Year-to-date											
FY 2010-11	\$4,162,814	\$3,565,048	\$1,581,474	\$628,072	\$6,774,460	\$5,277,967	\$94,778	\$40,548	\$135,326	\$3,575	\$131,751
FY 2009-10	3,797,982	352,905	326,016	511,643	4,336,514	4,199,524	74,292	119,837	194,129	1,097	193,032
Amt Change					2,437,946	1,078,443	20,486	(79,289)	(58,803)	2,478	(61,281)
% Change					56.22%	25.68%	27.57%	-66.16%	-30.29%	225.89%	-31.75%

Note: Endowment Trusts include externally managed endowment trusts.

UTAH STATE UNIVERSITY  
 SUMMARY OF ENDOWMENT TRUST INVESTMENT TRANSACTIONS  
 For the Month of October 2010  
 Schedule D-2

Endowment Trusts	Purchases		Shares	Cost	Sales		Receipts	Gain/(Loss)	Earnings
	Shares	Cost			Cost	Gain/(Loss)			
Common and Preferred Stock									
American Electric Power Co.	2,800,000	\$101,511							
Eli Lilly & Co	1,400,000	53,166							
Frontier Communications Corp.			1,512,000	\$11,651	\$12,821	\$1,170			\$722
Funds held at Bank of Utah - Dividends									12,008
Funds held at Morgan Stanley - Dividends									
Other									155
Atlas Resources LP									
Real Estate - Brigham City									
Mutual Funds									
Dodge & Cox Income Fund									
PIMCO Funds Short-Term									77
PIMCO Fds pac Invt Mgmt Ser Total Return									342
PIMCO GNMA Fund									87
Vanguard Short-term US Treasury Fund									307
Vanguard Fixed Income Secs F Infl Prot Secs									
Wells Fargo Strategic Inc #89									469
Wells Fargo Strategic Inc #89									468
Money Market Funds									
Federated Treasury Obligations Fund									
Morgan Stanley									
Wells Fargo #451	17,844			2,575	2,575	0			3
Wells Fargo #451	24,662			245,608	245,608	0			5
Wells Fargo #451	1			250	250	0			1
Wells Fargo #451	1			250	250	0			1
Cash									
Morgan Stanley									
Total Endowment Trusts	\$197,585	\$260,334	\$261,504	\$1,170	\$14,645				

UTAH STATE UNIVERSITY  
PLANT FUND TRUSTS  
SUMMARY REPORT OF INVESTMENTS AND INVESTMENT INCOME

Schedule E-1

	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest Income	Realized Gain or (Loss)	Total Realized Income	Less Expenses	Net Realized Income/(Loss)
Jul 2010	\$10,674,107	\$784	\$0	(\$21,911)	\$10,652,980	\$10,673,425	\$9,283	\$0	\$9,283	\$0	\$9,283
Aug 2010	10,652,980	469	6,240,438	53,446	4,466,457	5,420,803	8,968	0	8,968	0	8,968
Sep 2010	4,466,457	1,297,049	82,550	(21,056)	5,659,900	5,118,861	9,112	0	9,112	0	9,112
Oct 2010	5,659,900	62,551	2,390,186	(35,483)	3,296,782	3,331,120	8,760	0	8,760	0	8,760
Nov 2010											
Dec 2010											
Jan 2011											
Feb 2011											
Mar 2011											
Apr 2011											
May 2011											
Jun 2011											

Comparative Totals:											
Year-to-date	Beginning Fair Value	Purchases	Sales Proceeds	Change in Fair Value	Ending Fair Value	Average Daily Fair Value	Total Interest Income	Realized Gain or (Loss)	Total Realized Income	Less Expenses	Net Realized Income/(Loss)
FY 2010-11	\$10,674,107	\$1,360,853	\$8,713,174	(\$25,004)	\$3,296,782	\$6,136,052	\$36,123	\$0	\$36,123	\$0	\$36,123
FY 2009-10	22,951,558	2,064,832	4,202,593	(22,455)	20,791,342	22,069,282	47,046	0	47,046	0	47,046
Amnt Change					(17,494,560)	(15,933,230)	(10,923)	0	(10,923)	0	(10,923)
% Change					-84.14%	-72.20%	-23.22%	0.00%	-23.22%	0.00%	-23.22%

Note: Plant Fund Trusts include all debt service reserve and construction fund accounts in compliance with bond issue covenants.

UTAH STATE UNIVERSITY  
 SUMMARY OF PLANT TRUST INVESTMENT TRANSACTIONS  
 For the Month of October 2010

Schedule E-2

	Purchases		Sales		Earnings
	Shares	Cost	Shares	Cost	
Plant Trusts					
Wells Fargo					
Heritage Money Market		\$62,008		\$1,185,730	\$10
Build America Bonds					8,499
Utah Public Treasurers' Investment Fund		543		1,204,456	251
Total Plant Trusts		<u>\$62,551</u>		<u>\$2,390,186</u>	<u>\$8,760</u>

### ITEM FOR ACTION

**RE:** Delegation/Administrative Reports - 11/12/10 to 12/17/10

Utah State University has been given authority by the Division of Facilities Construction and Management (DFCM) to exercise direct supervision of the design and construction of all alterations, repairs, and improvements to existing facilities on individual projects with budgets of less than \$4 million. The supervision of new construction can also be delegated to USU on a project-by-project basis and can exceed the \$4 million amount. As part of the delegation authority, administrative reports are prepared by USU and presented to the Utah State Building Board at each of its meetings. The monthly format of USU's reports is similar to that of the DFCM's reports presenting professional and construction contracts issued during the reporting period, contingency and project reserves status, and a delegated projects list showing budget and status. On a quarterly basis, additional reports are prepared showing contingency fund cumulative transfers, a summary of the statewide (paving) account, and a construction contract status. The Board of Regents has transferred its authority to review the delegation/administrative reports to the Board of Trustees.

The reports have received the appropriate administrative review and approval.

### EXECUTIVE SUMMARY

The following is a summary of the administrative reports for USU for the period 11/12/10 to 12/17/10:

**Professional Contracts, 2 contracts issued** (Page 1)

Comments are provided on the report.

**Construction Contracts, 5 contracts issued** (Page 2)

Comments are provided on the report.

**Report of Contingency Reserve Fund** (Page 3)

A total of \$29,741.19 was needed from the contingency reserve to fund change orders and asbestos abatement on several projects.

**Report of Project Reserve Fund Activity** (Page 4)

One project closed adding \$4,821.00 to the project reserve.

**Current Delegated Projects List** (Pages 5-6)

Of USU's 51 projects, 1 is Complete, 13 Substantially Complete, 27 in Construction, 7 in the Design/Study phase, and 3 Pending.

### RECOMMENDATION

The President and Vice President for Business and Finance recommend that the delegation/administrative reports for the current reporting period be approved as presented.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, The Utah Legislature appropriates state funds through the Division of Facilities Construction and Management to Utah State University for the purpose of capital improvements;

WHEREAS, The Division of Facilities Construction and Management has delegated its authority to exercise direct supervision of the design and construction of such capital improvements to Utah State University;

WHEREAS, Non-state funded projects with budgets of less than \$4 million are also delegated to Utah State University;

WHEREAS, Projects in excess of \$4 million can also be delegated to Utah State University with specific approval of the Utah State Building Board;

WHEREAS, Utah State University presents reports on the status of all its delegated projects to the Utah State Building Board on a regular basis;

WHEREAS, The State Board of Regents has transferred its authority to review the delegation/administrative reports to the Board of Trustees;

WHEREAS, The President and Vice President for Business and Finance have reviewed the delegation/administrative reports for the current reporting period and recommend approval of the reports to the Board of Trustees; and

WHEREAS, The Board of Trustees has reviewed and given due consideration to the delegation/administrative reports:

NOW, THEREFORE, BE IT RESOLVED that the USU Board of Trustees hereby approves the delegation/administrative reports as presented.

---

RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES

---

Date

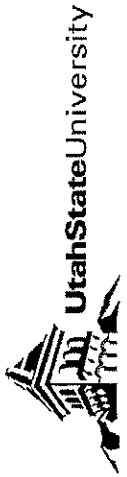




Office of the Vice President for Business and Finance  
 1445 Old Main Hill  
 Logan, UT 84322-1445

## Professional Contracts Awarded From 11/12/10 to 12/17/10

Contract Name	Firm Name	A/E Budget	Fee Amount	Comments
1 Planning & Design Fund FY11	Architectural Design West	\$75,000.00	\$48,500.00	Old Main exterior brick restoration
MISCELLANEOUS CONTRACTS				
2 Planning & Design Fund FY10	CMT Engineering Labs	\$100,000.00	\$4,950.00	Concrete sampling/testing at various campus locations for future projects



Office of the Vice President for Business and Finance  
 1445 Old Main Hill  
 Logan, UT 84322-1445

## Construction Contracts Awarded From 11/12/10 to 12/17/10

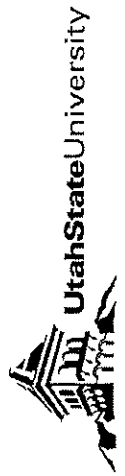
Project	Firm Name	Design Firm	Const Budget	Contract Amt	Comments
1 Campus-wide Medium Voltage Upgrade FY10	Cache Valley Electric	USU Facilities Design and Construction	\$599,056.00	\$27,127.11	High voltage cable repair
MISCELLANEOUS CONTRACTS					
2 Utah Botanical Center Riparian Stream System	Northern Utah Electric		\$86,500.00	\$12,877.18	Miscellaneous electrical work
3 Health, Life Safety & Code Compliance Projects FY10	Fire Systems Specialists		\$89,285.00	\$5,937.39	ASTE Building riser upgrade
4 Classroom Upgrades FY11	Environmental Abatement		\$260,870.00	\$2,954.00	TSC Auditorium asbestos
5 Family Life Window Replacement	Environmental Abatement		\$576,000.00	\$1,470.00	Asbestos abatement



Office of the Vice President for Business and Finance  
 1445 Old Main Hill  
 Logan, UT 84322-1445

# Report of Contingency Reserve Fund From 11/12/10 to 12/17/10

Project Title	Current Transfers	Total Transfers To (From) Contingency	% to Construction Budget	Project Status	% Completed (Paid)
<b>BEGINNING BALANCE</b>	<b>\$609,153.09</b>				
<b>INCREASES TO CONTINGENCY RESERVE FUND</b>					
None					
<b>DECREASES TO CONTINGENCY RESERVE FUND</b>					
NE Steam Line Phase IV FY11 (Change order)	(19,933.96)	(19,933.96)	3.29%	Construction	77%
Water Lab Fume Hood Upgrade (Asbestos)	(1,000.00)	(6,285.00)	0.50%	Construction	85%
Business MCC and E-Panel (Change order)	(4,947.28)	(5,454.00)	6.00%	Construction	37%
Family Life Window Replacement (Asbestos)	(1,470.00)	(7,657.76)	1.33%	Construction	80%
Business Building Cladding (Change order)	(1,674.45)	(1,674.45)	0.42%	Construction	99%
Campus Wide Medium Voltage Upgrade FY10 (Change order)	(494.30)	(9,956.73)	1.66%	Construction	64%
Building Recommissioning FY10 (Change order)	(221.20)	(6,807.10)	3.05%	Construction	94%
<b>ENDING BALANCE</b>	<b>\$579,411.90</b>				



Office of the Vice President for Business and Finance  
 1445 Old Main Hill  
 Logan, UT 84322-1445

## Report of Project Reserve Fund Activity From 11/12/10 to 12/17/10

Project Title	Transfer Amount	Description	% of Construction Budget
<b>BEGINNING BALANCE</b>	<b>\$222,444.71</b>		
<b>INCREASES TO PROJECT RESERVE FUND</b>			
Access Control/Security Systems Upgrade	4,821.00	Close project	3.01%
<b>DECREASES TO PROJECT RESERVE FUND</b>			
None			
<b>ENDING BALANCE</b>	<b>\$227,265.71</b>		



Utah State University

Office of the Vice President for Business and Finance  
 1445 Old Main Hill  
 Logan, UT 84322-1445

# Current Delegated Projects List 12/17/10

Project Number	Project Name	Phase	Project Budget
<b>CAPITAL DEVELOPMENT/IMPROVEMENT</b>			
A21736	Equine Education Center	Substantial Completion	\$3,354,953 *
A16969	A/C & Controls Upgrade FY08	Construction	439,753
A16878	Campus-wide Medium Voltage Upgrades	Substantial Completion	486,481
A16873	Fire Alarm Upgrades FY08	Partial Completion/Design	282,051
A16881	CEP Chillers	Partial Completion	1,494,504
A16876	Access Control/Security Systems Upgrades	Complete	181,470
A16877	CEP Electrical Feed	Substantial Completion	200,130
A16872	Tanner Fountain	Substantial Completion	314,752
A16971	Planning & Design Fund FY08	Design/Study	100,000
A18615	Steam Line Replacement to NFS	Construction	933,000
A18972	Planning & Design Fund FY09	Design/Study	100,000
A18973	Health, Life Safety & Code Compliance Projects FY09	Substantial Completion	194,092
A18974	Business Building Cladding	Construction	423,832
A18975	Water Lab Fire Lane Access/Bridges	Construction	919,947
A18976	Water Lab Fume Hood Upgrade	Construction	1,398,932
A18981	Natural Resources Siding	Substantial Completion	102,552
A18984	Eccles Conference Center/Business Walkways	Substantial Completion	223,839
A18985	Miscellaneous Critical Improvements FY09	Construction	206,800
A20143	SER Observatory	Substantial Completion	265,347
A20557	Campus-wide Medium Voltage Upgrade FY10	Construction	624,013
A20794	Ray B. West Window Replacement	Substantial Completion	770,724
A20856	Miscellaneous Critical Improvements FY10	Construction	396,247
A20857	Planning & Design Fund FY10	Design/Study	100,000
A20858	Health, Life Safety & Code Compliance Projects FY10	Construction	107,142
A20859	Classroom Upgrades FY10	Construction	298,903
A20860	HPER Office/Classroom Upgrade	Construction	220,282
A20861	Fine Arts Complex Safety Repairs	Construction	431,836
A20862	Building Recommissioning	Construction	243,414
A20863	Campus Wide Bike Racks	Construction	55,000
A20864	Business MCC and E-Panel	Substantial Completion	100,000
A21088	Utah Botanical Center Wetland Lab ARRA Improvements	Construction	512,771

A20593	Utah Botanical Center Classroom Building	Construction	2,860,656
A22304	Utah Botanical Center Riparian Stream System	Construction	100,000
A22269	Motor Pool Interior Remodel	Substantial Completion	166,977
A22986	Merlin Olsen Monument	Substantial Completion	250,000
A22907	Planning and Design Fund FY11	Design/Study	75,000
A22908	Health, Life Safety & Code Compliance Projects FY11	Construction	100,000
A22909	Classroom Upgrades FY11	Construction	407,151
A22906	Family Life Window Replacement	Construction	676,520
A22910	Fire Protection (Various Buildings) FY11	Design	573,795
A22911	Sign System FY11	Pending	47,747
A22912	NE Steam Line Phase IV FY11	Construction	689,671
A22913	Theater Stage Rigging	Construction	879,138
A22914	Medium Voltage Upgrade FY11	Pending	477,876
A22915	Campus Wide Bike Racks FY11	Pending	47,747
A22916	Sidewalk Replacement FY11	Construction	217,092
A22917	Miscellaneous Critical Improvements FY11	Construction	153,315
A23116	CPD Playground	Construction	115,000
A23644	HSRC 2nd Floor Remodel Phase I	Construction	116,100
A23857	Spectrum Volleyball Locker Room Remodel	Design only	10,000

**PAVING (STATEWIDE)**

A08076	Aggie Village Road & Parking Lot	Substantial Completion	461,613
--------	----------------------------------	------------------------	---------

**TOTAL (51)**

\$23,908,165

\* Project management delegated to USU.

7 January 2011

### **ITEM FOR ACTION**

RE: Review and Approval of the External Audit Reports

The external audit reports are submitted to the Board of Trustees for consideration. The audit reports listed below have received the appropriate administrative review and approval.

### **EXECUTIVE SUMMARY**

Audits of University financial statements are conducted by various external agencies. The State of Utah Auditor's Office performed the comprehensive audit on the University financial statements for the year ended 30 June 2010. The State of Utah Auditor's Office also performed the required audit on Edith Bowen Laboratory School's financial statements for the year ended 30 June 2010. The firm Jones Simkins LLP performed the comprehensive audit on the Utah State University Research Foundation's financial statements for the year ended 30 June 2010. The firm Jones Simkins LLP also performed the required audit on Utah Public Radio's financial statements for the year ended 30 June 2010.

The audit reports listed below are scheduled for review by the Board of Trustees Audit Committee on December 20, 2010.

1. Utah State University Management Letter and Financial Statements for the Year Ended 30 June 2010
2. Utah State University Research Foundation Management Letter and Financial Statements for the Year Ended 30 June 2010
3. Utah Public Radio Financial Statements with Independent Auditor's Report
4. Edith Bowen Laboratory School Financial Statements with Independent Auditor's Report

### **RECOMMENDATION**

The President, Vice President for Business and Finance, and the Audit Committee recommend that the Board of Trustees approve the external audit reports.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, Audits of University financial statements are conducted by various external agencies;  
and

WHEREAS, A meeting of the Utah State University Board of Trustees Audit Committee was held  
on December 20, 2010 for the purpose of reviewing the external audit reports; and

WHEREAS, The following individuals are members of the Utah State University Board of Trustees  
Audit Committee: David Cook, Chairman, Robert Foley, Ronald Jibson; and

WHEREAS, The following audit reports are scheduled for review:

1. Utah State University Management Letter and Financial Statements for the Year Ended  
30 June 2010
2. Utah State University Research Foundation Management Letter and Financial Statements for  
the Year Ended 30 June 2010
3. Utah Public Radio Financial Statements with Independent Auditor's Report
4. Edith Bowen Laboratory School Financial Statements with Independent Auditor's  
Report; and

WHEREAS, The President, Vice President for Business and Finance, and the Audit Committee  
recommend the Board of Trustees approve the external audit reports:

NOW, THEREFORE, BE IT RESOLVED, That the Utah State University Board of Trustees hereby  
approves the above listed audit reports.

---

RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES

\_\_\_\_\_  
Date

Members of the Audit Committee:  
David Cook, Chairman  
Robert Foley, Vice Chairman  
Ronald Jibson



**ITEM FOR ACTION**

**RE:** Contract/Grant Proposals and Awards (November, 2010)

The summary of the Status of Sponsored Program Awards, prepared by our Sponsored Programs Office for November, 2010 is submitted for the Trustees' consideration. They have received the appropriate administrative review and approval.

**EXECUTIVE SUMMARY**

The awards for the month of November, 2010 amounted to \$5,653,060 versus \$5,787,526 for November, 2009. The current year's November awards figure was (-2.3%) less than the November, 2009 figure.

The comparative graph, "Utah State University Sponsored Program Awards" indicates that November, 2010 cumulative awards were 23.9% more than last year for the same time period. Scholarships, fellowships, and state appropriations for research are not included in either figure.

The value of proposals submitted by faculty increased from \$20,562,972 in November, 2009 to \$32,447,343 in November, 2010 (+57.8%). The number of current year proposals (606) is less than last year (690) for the same time period.

**RECOMMENDATION**

The President and Vice President for Research recommend that the Board of Trustees approve the contract and grant status report for November, 2010.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The attached lists of contract/grant proposals and awards (November, 2010) are recommended by the President and the Vice President for Research to the Board of Trustees:

NOW THEREFORE, BE IT NOW RESOLVED, That the USU Board of Trustees hereby approves the recommendation of the President and the Vice President for Research.

**RESOLUTION APPROVED BY BOARD OF TRUSTEES:**

---

\_\_\_\_\_  
Date

UTAH STATE UNIVERSITY  
 SPONSORED PROGRAMS OFFICE  
 AWARDS BY COLLEGE  
 FOR PERIOD: NOVEMBER 2010

FY 2010/2011

COLLEGE	CURRENT MONTH				CUMULATIVE TOTALS					
	AWARDS FY 2009/2010	AWARDS FY 2010/2011	TOTAL \$ CHANGE	TOT # 10/11 CHG	AWARDS FY 2009/2010	AWARDS FY 2010/2011	TOTAL \$ CHANGE	# 09/10 # 10/11	TOT # 10/11 CHG	
AGRICULTURE	\$ 1,056,462.50	\$ 372,571.61	\$ (683,890.89)	9	\$ -	\$ 11,749,588.72	\$ (1,203,872.86)	77	77	-
ARTS	\$ 17,685.00	\$ -	\$ (17,685.00)	1	(1)	\$ 47,863.60	\$ (31,863.60)	4	2	(2)
BUSINESS	\$ 20,000.00	\$ -	\$ (20,000.00)	1	(1)	\$ 224,848.00	\$ 257,465.00	3	2	(1)
CEU	\$ -	\$ 393,425.00	\$ 393,425.00	1	1	\$ -	\$ 793,281.00	-	2	2
EDUCATION	\$ 823,794.59	\$ 762,725.00	\$ (61,069.59)	20	(6)	\$ 14,974,752.17	\$ 14,771,573.72	99	96	(3)
ENGINEERING	\$ 1,087,400.00	\$ 765,733.00	\$ (321,667.00)	15	(2)	\$ 10,229,651.22	\$ (5,106,338.25)	96	83	(13)
HaSS	\$ -	\$ -	\$ -	-	-	\$ 155,679.00	\$ (11,290.80)	9	8	(1)
INAT. RESOURCES	\$ 373,508.00	\$ 151,232.13	\$ (222,275.87)	12	(9)	\$ 5,370,235.38	\$ (15,905.53)	82	70	(12)
SCIENCE	\$ 59,083.00	\$ 1,226,294.15	\$ 1,167,211.15	2	8	\$ 4,466,717.38	\$ 4,979,991.79	39	48	9
MISCELLANEOUS	\$ 254,878.00	\$ 182,758.06	\$ (72,119.94)	3	8	\$ 3,662,961.91	\$ 1,053,503.35	87	85	(2)
USURF TOTALS	\$ 2,094,714.78	\$ 1,798,320.94	\$ (296,393.84)	17	(4)	\$ 19,611,156.73	\$ 1,626,695.16	97	117	20
GRAND TOTAL	\$ 5,787,525.87	\$ 5,653,059.89	\$ (134,465.98)	80	(6)	\$ 71,697,327.97	\$ 17,113,238.98	593	590	(3)

PERCENTAGE	DOLLARS	NUMBERS	TOTAL DOLLARS	TOTAL NUMBERS
CHANGE :	NOVEMBER 2009 to 2010	NOVEMBER 2009 to 2010	FY 09/10 to FY 10/11	FY 09/10 to 10/11
	-2.32%	-7.50%	23.87%	-0.51%

Notes : This report no longer includes Scholarship, Fellowship, State Legislative Research, or IOT/FIOT funds.  
 : The Miscellaneous line includes the Cooperative Extension, Information Technology, Library Services, Provost, Regional Campuses & Distance Education, School of Graduate Studies, Student Services, University & Community Relations, VP for  
 : On July 1, 2010 Utah State University merged with the College of Eastern Utah (CEU), and their numbers will be reflected in these reports from that date forward.  
 : On July 1, 2010 Departments were removed from the College of HaSS, and were moved to the newly created Caine College of the Arts.

## Selected List of Awards Greater than \$1,000,000 from 11-01-2010 to 11-30-2010

Filters Applied\*: No Filter

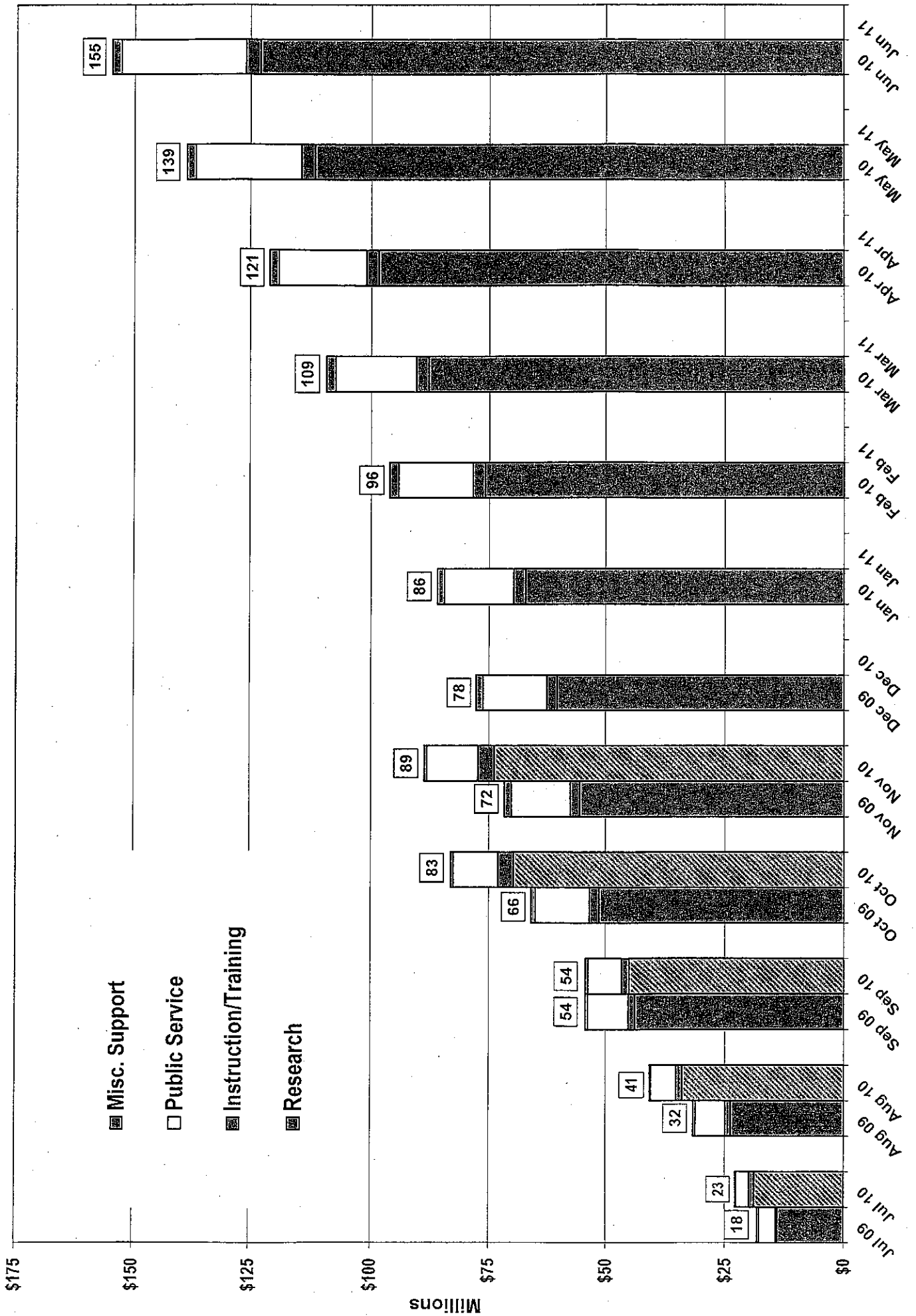
### Award # 1

Control Number	100655	Agency	1,000,000.00
Funding Agency	International Continental Scientific Drilling Program	USU	0.00
Flow Through Agency	None	Total	1,000,000.00
Department	GEOLOGY		
College	College of Science		
Admin. Center	University Research and Training		
Research Function	Sponsored Research-Applied		
Principal Investigator(s)	John SHERVAIS;		
Co-PI(s)			
Period of Performance	11-03-2010 -- 06-30-2012		
Original Award Date	11-10-2010		
Change/Mod Effective Date	11-10-2010		
Program Name	HOTSPOT: The Snake River Scientific Drilling Project		
Statement	Long term volcanic history of super-volcano province. The Snake River Plain formed as it passed over the Yellowstone hotspot, and preserves a complete record of volcanism related to the formation and decline of a super-volcano. This award will co-fund the Snake River Geothermal Drilling Project as well.		

<b>Agency Total</b>	<b>1,000,000.00</b>
<b>USU Total</b>	<b>0.00</b>
<b>Grand Total</b>	<b>1,000,000.00</b>

\* Only awards from the listed filters are included in this report. If you believe that you should have access to information about additional departments, colleges, or research centers, please submit a support request on the Electronic-Office website or email Keith Paskett: [Keith.Paskett@usurf.usu.edu](mailto:Keith.Paskett@usurf.usu.edu).

# Utah State University Sponsored Program Awards FY 2010, FY 2011



UTAH STATE UNIVERSITY  
 SPONSORED PROGRAMS OFFICE  
 PROPOSALS BY COLLEGE  
 FOR PERIOD: NOVEMBER 2010

FY 2010/2011

COLLEGE	CURRENT MONTH					CUMULATIVE TOTALS						
	PROPOSALS FY 2009/2010	PROPOSALS FY 2010/2011	TOTAL \$ CHANGE	# 09/10	# 10/11	TOT CHG	PROPOSALS FY 2009/2010	PROPOSALS FY 2010/2011	TOTAL \$ CHANGE	# 09/10	# 10/11	TOT CHG
AGRICULTURE	\$ 2,266,274.00	\$ 5,616,054.24	\$ 3,349,780.24	9	8	(1)	\$ 12,986,611.17	\$ 20,351,697.39	\$ 7,365,086.22	72	87	15
ARTS	\$ -	\$ -	\$ -	-	-	-	\$ 27,467.00	\$ 40,000.00	\$ 12,533.00	3	3	-
BUSINESS	\$ -	\$ -	\$ -	-	-	-	\$ 10,000.00	\$ 121,968.97	\$ 111,968.97	1	2	1
CEU	\$ -	\$ 393,435.00	\$ 393,435.00	-	1	1	\$ -	\$ 4,271,477.00	\$ 4,271,477.00	-	3	3
EDUCATION	\$ 3,967,987.92	\$ 578,075.23	\$ (3,389,912.69)	22	9	(13)	\$ 33,921,381.70	\$ 39,640,575.97	\$ 5,719,194.27	109	96	(13)
ENGINEERING	\$ 7,216,229.06	\$ 4,031,201.11	\$ (3,185,027.95)	20	20	-	\$ 43,457,675.77	\$ 64,998,946.54	\$ 21,541,270.77	151	115	(36)
HaSS	\$ 224,943.00	\$ 662,821.00	\$ 437,878.00	1	3	2	\$ 1,468,194.60	\$ 1,998,565.37	\$ 530,370.77	14	12	(2)
NAT. RESOURCES	\$ 795,066.00	\$ 2,060,405.21	\$ 1,265,339.21	4	14	10	\$ 10,535,131.12	\$ 7,911,191.74	\$ (2,623,939.38)	92	69	(23)
SCIENCE	\$ 3,632,394.00	\$ 3,392,184.00	\$ (240,210.00)	10	14	4	\$ 54,350,162.51	\$ 31,361,927.84	\$ (22,988,234.67)	81	78	(3)
MISCELLANEOUS	\$ 760,400.00	\$ 999,729.25	\$ 239,329.25	10	8	(2)	\$ 21,969,894.90	\$ 2,566,921.14	\$ (19,402,973.76)	64	49	(15)
USURF TOTALS	\$ 1,699,678.31	\$ 14,713,437.69	\$ 13,013,759.38	12	19	7	\$ 64,216,948.70	\$ 54,790,387.68	\$ (9,426,561.02)	103	92	(11)
GRAND TOTAL	\$ 20,562,972.29	\$ 32,447,342.73	\$ 11,884,370.44	88	96	8	\$ 242,943,467.47	\$ 228,053,659.64	\$ (14,889,807.83)	690	606	(84)

TOTAL DOLLARS  
 FY 09/10 to FY 10/11

TOTAL DOLLARS  
 FY 09/10 to FY 10/11

NUMBERS  
 NOVEMBER 2009 to 2010

DOLLARS  
 NOVEMBER 2009 to 2010

TOTAL NUMBERS  
 FY 09/10 to 10/11

PERCENTAGE

CHANGE :

57.80%

9.09%

-6.13%

-12.17%

Notes : This report no longer includes Scholarship, Fellowship, State Legislative Research, or IOT/FIOT funds.

: The Miscellaneous line includes the Cooperative Extension, Information Technology, Library Services, Provost, Regional Campuses & Distance Education, School of Graduate Studies, Student Services, University & Community Relations, VP for

: On July 1, 2010 Utah State University merged with the College of Eastern Utah (CEU), and their numbers will be reflected in these reports from that date forward.

: On July 1, 2010 Departments were removed from the College of HaSS, and were moved to the newly created Caine College of the Arts.

## Selected List of Proposals Greater than \$1,000,000 from 11-01-2010 to 11-30-2010

Filters Applied\*: No Filter

### Proposal # 1: New

Control Number	08S044003	Agency	2,899,054.05
Proposal ID	T00001175 Revision: 0	USU	0.00
Funding Agency	Naval Research Lab	Other	0.00
Department	ELECTRICAL & COMPUTER ENGINEERING	Total	2,899,054.05
College	College of Engineering		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Lance D. FIFE;		
Co-PI(s)			
Period of Performance	01-01-2011 -- 12-31-2011		
Proposal Date	11-29-2010		
Program Name	Advanced Ground, Air, Space, Systems Integration (AGASSI) Task Order 3		
Statement	The Naval Research Laboratory (NRL) has a requirement for research support in areas of Advanced Ground, Air, Space, Systems Integration (AGASSI) including software and advanced technologies including digital processing, compression, and control, analog systems, power, communications, command and telemetry, radio frequency/optical sensor payloads and electromechanical systems/support. SDL will provide the support to NRL.		

### Proposal # 2: New

Control Number	08S044004	Agency	3,660,033.62
Proposal ID	T00001124 Revision: 0	USU	0.00
Funding Agency	Naval Research Lab	Other	0.00
Department	ELECTRICAL & COMPUTER ENGINEERING	Total	3,660,033.62
College	College of Engineering		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Lance D. FIFE;		
Co-PI(s)			
Period of Performance	02-01-2011 -- 01-31-2012		
Proposal Date	11-11-2010		
Program Name	Advanced Ground, Air, Space, Systems Integration (AGASSI) Task Order 4		
Statement	Task Order 0004 of the N00173-08-D-2002 AGASSI contract is for a 24 month effort in developing and supporting advanced intelligence, surveillance and reconnaissance (ISR) systems including sensors and software, and advanced technologies including digital processing, compression and control, analog systems, power, communications, command and telemetry, radio frequency/optical sensor payloads, and electromechanical systems/support. SDL will be the primary technical support in developing and demonstrating hardware and software systems for acquiring, recording, screening, disseminating, fusing, and exploiting multi-INT sensor systems. This effort will require sensor system, processing/control system, and data link design, development, procurement, installation, and operator training.		

### Proposal # 3: Augmentation

Control Number	090584	Agency	1,240,821.97
Proposal ID	T00028850 Revision: 0	USU	0.00
Funding Agency	Institute of Allergy and Infectious Diseases	Other	0.00
Department	ANIMAL, DAIRY & VETERINARY SCIENCES	Total	1,240,821.97
College	College of Agriculture		
Research Center	Ag Experiment Station		
Research Function	Sponsored Research-Basic		
Principal Investigator(s)	John D. MORREY;		
Co-PI(s)	BRIAN GOWEN; JUSTIN G JULANDER;		
Period of Performance	12-01-2010 -- 11-30-2011		
Proposal Date	11-01-2010		
Program Name	ANIMAL MODELS OF INFECTIOUS DISEASES (IDIQ)		
Statement	THE PURPOSE OF THIS PROPOSAL IS TO BE NAMED AN IDIQ (INDEFINITE DELIVERY, INDEFINITE QUANTITY) CONTRACTOR WITH NIH-NIAID IN ORDER TO RECEIVE TASK ORDERS FROM NIH. ONCE CONTRACTOR STATUS IS OBTAINED, TASK ORDERS WILL BE INDIVIDUALLY APPLIED FOR AS THEY BECOME AVAILABLE. THE TASK ORDERS WILL ENTAIL TESTING INFECTIOUS DISEASE AGENTS IN VARIOUS ANIMAL MODELS.		

### Proposal # 4: New

Control Number	110381	Agency	1,380,920.00
Proposal ID	T00028863 Revision: 0	USU	75,000.00
Funding Agency	National Institutes of Health (NIH)	Other	0.00
Department	ANIMAL, DAIRY & VETERINARY SCIENCES	Total	1,455,920.00
College	College of Agriculture		
Research Center	Ag Experiment Station		
Research Function	Sponsored Research-Basic		
Principal Investigator(s)	S. Clay ISOM;		
Co-PI(s)	ABBY BENNINGHOFF; JOHN R. STEVENS; Kenneth L WHITE;		
Period of Performance	07-01-2011 -- 06-30-2012		
Proposal Date	11-04-2010		
Program Name	Apoptosis and Reprogramming in Bovine IVF and Nuclear Transfer Embryos		
Statement	The primary objective of the proposal will be to determine the relationship between apoptosis and nuclear reprogramming as it relates to the competence of bovine embryos generated by assisted reproductive technologies.		



**Proposal # 5: New**

Control Number	110382	Agency	1,785,000.00
Proposal ID	T00028864 Revision: 0	USU	0.00
Funding Agency	National Institutes of Health (NIH)	Other	0.00
Department	ANIMAL, DAIRY & VETERINARY SCIENCES	Total	1,785,000.00
College	College of Agriculture		
Research Center	Biotechnology Center		
Research Function	Sponsored Research-Basic		
Principal Investigator(s)	Kenneth L WHITE;		
Co-PI(s)	Chris DAVIES;		
Period of Performance	07-01-2011 -- 06-30-2012		
Proposal Date	11-05-2010		
Program Name	Bovine Somatic Cell Nuclear Transfer:A Unique Model of Placental Insufficiency		
Statement	This project will benefit the public by increasing understanding of the communication between a fetus and its mother's immune system. Improved knowledge in this area will result in strategies to reduce the incidence of immune-mediated rejection and placental dysfunction in cattle and humans.		

**Proposal # 6: New**

Control Number	S00000717	Agency	6,000,000.00
Proposal ID	T00001114 Revision: 0	USU	0.00
Funding Agency	Naval Research Lab	Other	0.00
Department	ELECTRICAL & COMPUTER ENGINEERING	Total	6,000,000.00
College	College of Engineering		
Research Center	USU Research Foundation		
Research Function	Sponsored Research-Applied		
Program Manager(s)	Douglas L. JEWELL;		
Co-PI(s)			
Period of Performance	12-15-2010 -- 06-30-2012		
Proposal Date	11-30-2010		
Program Name	F-16 Common Configuration Implementation Program (CCIP)		
Statement	Space Dynamics Laboratory (SDL) will provide organic Depot Test Program Set (TPS) capability to test and fault isolate failures in Common Configuration Implementation Program (CCIP) Line Replaceable Units (LRUs) and Shop Replaceable Units (SRUs) to the component level		

<b>Agency Total</b>	<b>16,965,829.64</b>
<b>USU Total</b>	<b>75,000.00</b>
<b>Other Total</b>	<b>0.00</b>
<b>Grand Total</b>	<b>17,040,829.64</b>

\* Only proposals from the listed filters are included in this report. If you believe that you should have access to information about additional departments, colleges, or research centers, please submit a support request on the Electronic-Office website or email Keith Paskett: Keith.Paskett@usurf.usu.edu.

# Action Agenda

**ACTION AGENDA  
JANUARY 7, 2011**

	<u>Page</u>
1. Proposal to Offer a Master of Science in Economics and Statistics (MS-ES), Administered Jointly by the Department of Applied Economics (APEC), College of Agriculture, and the Department of Mathematics and Statistics (Math/Stat), College of Science, Effective Fall 2011	1
2. Proposal to Consolidate the Three Existing Graduate Degree Programs in the Department of Animal, Dairy, and Veterinary Sciences (ADVS), College of Agriculture, into a Single Graduate Degree Program (Master of Science (MS) Doctor of Philosophy (PhD) with Five Specializations	19
3. Proposal from the Department of Animal, Dairy and Veterinary Sciences, College of Agriculture, to Discontinue the Dairy Herdsman Program	25
4. Proposal from the Department of Economics and Finance, Jon M. Huntsman School of Business, to Offer a Master of Financial Economics, Effective Fall 2011	29
5. Proposal from the School of Teacher Education and Leadership, Emma Eccles Jones College of Education and Human Services, to Consolidate and Rename the Education Specialist Degrees	49
6. Proposal from the Department of Health, Physical Education and Recreation (HPER), Emma Eccles Jones College of Education and Human Services, to Rename the Bachelor of Science (BS) Health Education Specialist Degree	53
7. Athletics Competitive/Practice Facility (FY2011-12 Non-State Funded Capital Development Priority)	57
8. Program Review for the College of Engineering	59
9. Honorary Degrees and Commencement Speaker for 2011	73

**ITEM FOR ACTION**

Utah State University requests approval to offer a Master of Science in Economics and Statistics (MS-ES), administered jointly by the Department of Applied Economics (APEC) in the College of Agriculture and the Department of Mathematics and Statistics (Math/Stat) in the College of Science. The proposed degree would be effective Fall 2011.

**EXECUTIVE SUMMARY**

The proposed Master of Science in Economics and Statistics (MS-ES) will be administered jointly by the Department of Applied Economics (APEC) and the Department of Mathematics and Statistics (Math/Stat). The proposed degree will make use of existing courses in these two departments, and will require no new courses. The curriculum will consist of two courses each in microeconomic theory, mathematical economics, mathematical statistics, and econometrics, plus electives. The degree fills a void created by the split of the former Department of Economics by creating an MS degree that is tightly connected to the Economics Ph.D. degree offered by APEC.

As the state's Land Grant institution, Utah State University's primary mission includes research and graduate education. The proposed research-oriented degree advances the core values of the institution by providing the opportunity for learning and discovery, as well as individual development. The degree complements ongoing instructional programs (the Ph.D. in Economics) as well as fostering interdisciplinary collaboration in teaching and research.

According to the 2010-11 Occupational Outlook Handbook (OOH) job growth for economists is predicted to be 6% for the 2008-2018 decade, whereas growth in the field of statistics is projected to be 13%. Median annual salaries for economists are estimated to be about \$84,000; for statisticians it is about \$73,000.

Student demand for this program is anticipated to be about 5-8 students per year. This estimate is consistent with the demand for the MS-Economics degree associated with the Ph.D. in Economics before the restructuring of the Department of Economics.

This proposal was prepared by the Departments of Applied Economics and Mathematics and Statistics, and has been approved by the Deans of the Colleges of Agriculture and Science, the Educational Policies Committee, and the Utah State University Faculty Senate.

**RECOMMENDATION**

Based on the above proposal and approvals as indicated, the President and Provost recommend that the Board of Trustees approve the proposal to offer a Master of Science in Economics and Statistics.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University proposes to offer to offer a Master of Science in Economics and Statistics, and

WHEREAS, The Departments of Applied Economics and Mathematics and Statistics have thirteen faculty with appropriate expertise to teach in this degree curriculum, and

WHEREAS, The proposed degree will restore a degree that was offered under the previously joined Department of Economics, and

WHEREAS, Occupational outlooks for students receiving this degree are strong, and

WHEREAS, The proposal has been approved by the Deans of the Colleges of Agriculture and Science, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal from Utah State University to offer a Master of Science in Economics and Statistics, and that this proposal be forwarded to the Utah State Board of Regents of the Utah State System of Higher Education.

---

RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

---

DATE

**Executive Summary  
Master of Science in Economics and Statistics  
Utah State University**

**Program Description**

The proposed Master of Science in Economics and Statistics (MS-ES), a non-terminal degree aimed at those seeking a Ph.D. in Economics, will be administered jointly by the Department of Applied Economics (APEC) in the College of Agriculture and the Department of Mathematics and Statistics (Math/Stat) in the College of Science. The proposed degree will make use of existing courses in these two departments, and will require no new courses. The curriculum will consist of two courses each in microeconomic theory, mathematical economics, mathematical statistics, and econometrics, plus electives. The degree fills a void created by the split of the former Department of Economics by creating an MS degree that is tightly connected to the Economics Ph.D. degree offered by APEC.

**Role and Mission Fit**

As the state's Land Grant institution, Utah State University's primary mission includes research and graduate education. The proposed research-oriented degree advances the core values of the institution by providing the opportunity for learning and discovery, as well as individual development. The degree complements ongoing instructional programs (the Ph.D. in Economics) as well as fostering interdisciplinary collaboration in teaching and research.

**Faculty**

Five APEC faculty members will be responsible for instruction in the economics portion of the curriculum whereas eight Math/Stat faculty members will assume instructional responsibility for the probability and statistics courses.

	Tenure	Contract	Adjunct
Number of faculty with Doctoral degrees	13	0	0
Number of faculty with Master's degrees	0	0	0
Number of faculty with Bachelor's degrees	0	0	0
Other Faculty	0	0	0

**Market Demand**

According to the 2010-11 Occupational Outlook Handbook (OOH) job growth for economists is predicted to be 6% for the 2008-2018 decade, whereas growth in the field of statistics is projected to be 13%. Median annual salaries for economists are estimated to be about \$84,000; for statisticians it is about \$73,000.

**Student Demand**

Student demand for this program is anticipated to be about 5-8 students per year. This estimate is consistent with the demand for the MS-Economics degree associated with the Ph.D. in Economics before the restructuring of the Department of Economics.

**Statement of Financial Support**

The program will be supported using legislatively appropriated funds provided by the USU Office of the Executive Vice President and Provost, and funds available from the Utah Agricultural Experiment Station, grants, and contracts.

Legislative Appropriation .....  
Grants.....X  
Reallocated Funds.....X  
Tuition dedicated to the program .....  
Other .....X

**Similar Programs Already Offered in the USHE**

The University of Utah offers a professional, inter-department degree entitled "M-Statistics, Econometrics Track", awarded by the Department of Economics; no other USHE institutions offer a similar degree. Though the degree requirements are somewhat similar, the proposed MS-ES would require more credits of economics relative to the University of Utah program, which places greater emphasis on statistics. In contrast with the UU degree (which is a terminal, professional degree), the proposed MS-ES degree is a non-terminal, research degree targeted at students planning to pursue a Ph.D. in Economics. The relatively small size of the proposed program is unlikely to place the University of Utah program in jeopardy.

**Master of Science in Economics and Statistics  
Utah State University**

**I. Request**

Utah State University requests approval to offer a Master of Science in Economics and Statistics effective fall semester 2011.

**II. Program Description**

**Complete Program Description**

The Master of Science in Economics and Statistics is a non-terminal, research degree. The program will be jointly administered by the Department of Applied Economics in the College of Agriculture and the Department of Mathematics and Statistics in the College of Science. The degree will use only existing courses. The degree highlights the connection between economic theory, mathematics, and statistics. Graduates will have a firm grasp of microeconomic theory, mathematical economics, probability, and statistical inference. The proposed program strengthens research degree programs in Economics at USU, and strengthens interdisciplinary connections amongst USU departments and faculty.

**Purpose of Degree**

The proposed degree will be administered jointly by the Department of Applied Economics and the Department of Mathematics and Statistics. The Department of Applied Economics (APEC) was created in 2008 when the former Department of Economics was dissolved into two units. The research, teaching and extension foci of APEC include Food & Agricultural Economics, Environmental & Natural Resource Economics, and Regional Economics & Community Development. In the administrative restructuring, APEC was assigned BS degrees in Agribusiness and Agricultural Economics, an MS in Applied Economics with emphases in each of the three foci outlined above, and the Ph.D. in Economics.

The Department of Mathematics and Statistics (Math/Stat) offers BS and BA degrees in Mathematics, Statistics (each with Actuarial Science Options), and Mathematics and Statistics Education. At the graduate level, the Department offers MS programs in Mathematics, Statistics, and Industrial Mathematics, and a Master of Mathematics (MMath) program in Mathematics Education. The PhD in Mathematical Sciences has four specializations: Pure and Applied Mathematics, Statistics, College Teaching, and Interdisciplinary Studies.

The purpose of the proposed MS-Economics and Statistics (MS-ES) degree is two-fold: first, the proposed degree is part of a re-positioning of the APEC graduate programs following the dissolution of the former Department of Economics (which was jointly administered by the College of Agriculture and the Huntsman School of Business.) The Huntsman School is reorienting its graduate programs to focus on "professional" degree programs at the graduate level. This proposal assists in that purpose, while strengthening APEC's research degree programs.



Second, the proposed degree is designed to work closely with the existing Economics Ph.D. curriculum. The MS-Economics degree was tightly connected to the Ph.D. degree in that the two degrees shared the same first year curriculum, with the MS degree aimed at students desiring further preparation for the pursuit of a Ph.D. at another institution, as well as acting as a degree awarded to Ph.D. students who complete their studies with this MS degree. The MS-Economics degree is now awarded through the Huntsman School of Business, severing the connection between the Ph.D. and MS-Economics degrees. The proposed MS-ES degree would re-establish the relationship between Ph.D. and MS degrees, with the MS-ES designed as a Ph.D. preparatory track degree.<sup>1</sup> As such, the MS-ES is an incremental graduate program, closely associated with the Ph.D. in Economics.

### **Institutional Readiness**

The Department of Applied Economics consists of 11 faculty members holding the rank of Assistant Professor or higher, and one Extension Specialist holding an MS degree. Four faculty members have been hired since 2009. All faculty members holding the PhD degree teach one or more graduate level courses or supervise theses and/or dissertations. Five faculty members will be responsible for handling the core curriculum of the proposed degree (Appendix C). The Department of Mathematics and Statistics comprises 25 tenured and tenure-track faculty and three lecturers. Eight Math/Stat faculty members will teach the probability and statistics courses in the proposed degree program. Other faculty members from each department may choose to be involved in the supervision of theses and projects (Appendix C).

### **Faculty**

APEC currently offers two graduate degrees, an MS in Applied Economics and a Ph.D. in Economics. The department is currently responsible for staffing four of the eight courses that jointly constitute the curriculum for the MS-Economics offered by Huntsman School and the first year of the Ph.D. degree offered by APEC. APEC and the Department of Economics and Finance have agreed to remove of multiple listing of the joint curriculum, and each department will become responsible for staffing its own courses. The proposed MS in Economics and Statistics will require no new courses (Appendix A). Of the eight core (required) courses in the new degree, APEC would staff six whereas Math/Stat would staff two. Under this proposal APEC would require teaching resources for an additional two courses.

### **Staff**

It is anticipated that the number of students in the first-year Ph.D. program and the proposed MS-ES program would match past history, so that no additional staff would be required.

### **Library and Information Resources**

No additional library resources are necessary to support the degree. The space in the present computer lab is inadequate, but the current computer arrangement is temporary. Graduate student

---

<sup>1</sup> The proposed program is very similar to the MS-Economics doctoral preparatory degree offered by our peer institution, North Carolina State University.

computer space in the College of Agriculture building under construction will be adequate to serve all APEC graduate programs. The Department of Mathematics and Statistics maintains its own computer lab for graduate students. The lab has eight PCs connected to two Solaris servers and may be used for statistical computation. Graduate students and faculty also use Utah State University's High Performance Computing facility for highly-computational projects.

### **Admission Requirements**

The admission requirements will be consistent with the existing USU School of Graduate Studies (SGS) admission requirements. Admission will require a minimum grade point average (GPA) of 3.0 (4.0 = A) for the last 60 semester credits earned prior to applying for the program. The Graduate Record Examination (GRE) will be required; School of Graduate Studies requirements will be applied (scores at or above the 40<sup>th</sup> percentile in the quantitative and verbal sections of the exam.) Per USU admissions policy, a sufficient TOEFL score will be required of all students whose native language is not English.

Specific educational requirements will include previous bachelors (BA or BS) level (or above) courses in an economics related discipline, math or statistics. Similar to current admission policies, undergraduate transcripts will be examined for successful completion of intermediate microeconomic theory, mathematics (calculus) and statistics or econometrics. Admission decisions will be made by a committee composed of faculty from APEC and Math/Stat. A student whose prior academic performance warrants admission, although some prerequisite courses have not been taken, may be admitted provisionally.

### **Student Advisement**

APEC has a designated Graduate Program Director, elected according to faculty bylaws. In recent years the compensation for this departmental service has been a one course reduction in assigned teaching load. The graduate director will chair a Graduate Education and Research Committee composed of members appointed by the APEC and Math/Stat department heads. The committee will be responsible for admissions decisions. The Graduate Program Director, in consultation with a student's major professor, will be responsible for student advising. If a major professor has not yet been selected, advisement responsibility is assigned to the Director. The proposed degree will require no additional resources for student advisement.

### **Justification for Graduation Standards and Number of Credits**

The MS-Economics and Statistics will be offered as a Plan A (24 credit hours of academic course work and six credit hours of research credits), Plan B (27 hours coursework and three hours research) or Plan C (33 hours coursework). Appendix A provides the curricula of the current and proposed master's degrees. Per the School of Graduate Studies standards, the minimum overall GPA for successful completion of the degree is 3.0.

## External Review and Accreditation

Given the tight connection between the curriculum for the proposed MS-ES degree and the Ph.D. degree, the recent National Research Council rankings of doctoral programs are germane. The NRC rankings of doctoral programs for 2006/07 show that the Utah State University Economics doctoral program improved by 30 places since 1995. The USU Ph.D. in Economics is now ranked approximately equivalent to our peers at North Carolina State University, Texas A&M University, and Washington State University, but behind our peers at Iowa State University, University of California-Davis, Penn State University, and Oregon State University.

The discipline of Economics has no accrediting body. Instead, the former Department of Economics has been periodically reviewed by the USDA. APEC plans to maintain these regular external institutional reviews. According to the USDA, the agency conducts reviews,

...at the request of cooperating institutions, facilitates reviews of institutions, departments, programs, or issues... Institutions identify the purpose, objectives, and scope of the review activity based on their own needs and internal planning processes. Preparation of a forward looking planning document by the reviewed entity is an integral part of the review activity. Generally, the internal review process is followed by an in depth on-site visit by an external team of well qualified peers lasting two or more days, depending on the scope and complexity of the activity as determined by the institution. The external team of reviewers can help the institution project future needs and directions for the reviewed entity for some definitive time frame into the future based on the self-study document and the site visit.<sup>2</sup>

There is no accreditation in mathematics or statistics. The mathematics and statistics education programs are currently accredited by the Teacher Education Accreditation Council (TEAC) and previously by the National Council for Accreditation of Teacher Education (NCATE), but neither of these are relevant to the proposed degree.

## Projected Enrollment

Year	Student Headcount	# Faculty (FTE/Semester)	Student-Faculty Ratio
2011/12	5	1	5
2012/13	5	1	5
2013/14	5	1	5
2014/15	5	1	5
2015/16	5	1	5

The proposed degree will be run in conjunction with the Ph.D. in Economics, so student-faculty ratios have been calculated with the combined total.

---

<sup>2</sup> [http://www.nifa.usda.gov/about/prog\\_reviews.html](http://www.nifa.usda.gov/about/prog_reviews.html)

Historically, about five students have been admitted to the Economics Ph.D. program each year. A decline in admissions from AY07-08 through AY09-10 was the result of a decision not to admit Ph.D. students until uncertainty regarding the future of graduate programs was resolved after the dissolution of the former Department of Economics. Since 2000, approximately 25-35% of students admitted to the Economics Ph.D. program graduates have been awarded an MS degree instead of the Ph.D. We anticipate an average student-faculty ratio of about 10:1 for the combined MS-ES/Ph.D. program.

### **Expansion of Existing Program**

The proposed degree does not represent a significant expansion of current programs.

## **III. Need**

### **Program Need**

The proposed Master of Science in Economics and Statistics will serve as a preparatory Ph.D. course of study, as well as the degree offered to Ph.D. students who successfully complete coursework but do not succeed at the exam phase. Under the current degree structure for APEC, the department has no ability to offer an MS degree to students who apply to the Ph.D. program, but later choose to pursue an MS degree rather than the Ph.D. The proposed degree enhances both the educational and research missions of APEC and Math/Stat.

### **Labor Market Demand**

According to the 2010-11 Occupational Outlook Handbook job growth for economists is predicted to be 6% for the 2008-2018 decade. With regard to wages, the OOH finds that

Median annual wage and salary wages of economists were \$83,590 in May 2008. The middle 50 percent earned between \$59,390 and \$113,590. In March 2009, the average annual salary for economists employed by the Federal Government was \$108,010.

These salaries do not include economists employed at colleges or universities, which are included in the statistics for the post-secondary education sector. The job growth for economists is somewhat slower than other sectors, but the report notes an important caveat on the demand for economists:

The demand for workers who have knowledge of economics is projected to grow faster, but these workers will commonly find employment in fields outside of economics, such as business, finance, or insurance. Job prospects for economists will be best for those with graduate degrees in economics.

The proposed degree's focus on the statistical skills that complement knowledge of economics is a strength of the proposed MS-ES degree program. The OOH finds that job growth in the field of statistics is projected to be 13%, equivalent to the average for all occupations. This job category has a mean income of \$72,600 (May 2008); statisticians in Federal government positions earn \$92,300 while mathematical statisticians earn \$107,000 (March 2009). The 2009 American Statistical Association survey of salaries for non-academic statisticians yielded the following information. For statisticians with MS degrees, the median salaries were \$113K for the Federal Government, \$76K for State and Local Government, \$115K for Business and Industry, \$126K for private consultants, and \$80K for non-Profit organizations.

### **Student Demands**

A small but steady demand in the program is anticipated. This is consistent with the past MS-E program. Some of the students who previously went to the MS-E will undoubtedly choose the new MS-Financial Economics program concurrently proposed by the Economics and Finance department in the USU Huntsman School of Business, but those focused on earning a Ph.D. in Economics will find the MS-ES attractive.

### **Collaboration with and Impact on other USHE Institutions and Benefits to the USHE**

The University of Utah offers a professional, inter-department degree entitled "M-Statistics, Econometrics Track", awarded by the Department of Economics; no other USHE institutions offer a similar degree. The degree requirements at the University of Utah are somewhat similar to those of the proposed degree: the University of Utah degree requires six hours of Ph.D. level Econometrics classes and nine hours of mathematical statistics. The M-Statistics, Econometrics track also requires three credit hours each of microeconomic and macroeconomics theory, both taught at the MS level. In contrast, the proposed MS-ES would require six hours each of Ph.D. level microeconomic theory, mathematical economics, and econometrics, along with six hours of statistical theory.

The MS-ES degree is a non-terminal, research degree targeted at students planning to pursue a Ph.D. in Economics at any institution in the country or abroad. It is unlikely to compete with the University of Utah M-Statistics, Econometrics Track degree for three reasons.<sup>3</sup> First, the proposed degree is a research degree, not a terminal or professional degree; Second, the proposed degree has a greater proportion of courses in core economic theory and mathematical economics than the M-Statistics, Econometrics Track; Finally, the anticipated small number of students (5-8) in the MS-ES program. Even if some students are drawn from the Wasatch Front, the small number is unlikely to place the University of Utah program in jeopardy.

### **Benefits**

The degree reorients APEC graduate programs following the dissolution of the former Department of Economics, while allowing the USU Huntsman School of Business the curricular independence

---

<sup>3</sup> Telephone communication with Dr. Richard Fowles, Dept. of Economics, University of Utah. October 6, 2010.

they desire. This proposal assists the Huntsman School, while strengthening APEC's research degree programs. The proposed MS-ES degree would establish a tight relationship between Ph.D. and MS degrees, with the MS-ES designed as a Ph.D. preparatory track degree.<sup>4</sup> The MS-ES serves students who desire rigorous Ph.D. level training as part of an MS education, as well as acting as the degree awarded to Ph.D. students who end up completing with a MS degree.

### **Consistency with Institutional Mission**

As the state's Land Grant institution, Utah State University has a focus on research and graduate education. The proposed degree, with its Ph.D. preparatory focus and its tight connection to the Economics Ph.D. meets this goal of the institution. The proposed degree is designed to (1) strengthen graduate education in economics at USU and (2) strengthen and encourage research collaboration amongst APEC and Math/Stat faculty.

The proposed degree program is very consistent with the Department of Mathematics and Statistics role, which includes interdisciplinary research and education. The Department already has interdisciplinary programs at the graduate level: the M.Math program, the MS program in Industrial Mathematics, and the Interdisciplinary Specialization of the Ph.D. in Mathematical Sciences. The degree is an incremental program closely associated with the APEC Ph.D. in Economics, and is consistent with the research mission of the department and the College of Agriculture.

## **IV. Program and Student Assessment**

### **Program Assessment and Student Performance Standards.**

The proposed master's program is designed as a research degree. Students who successfully complete the degree will be well-placed to assume research support staff position in research organizations, or pursue doctoral education at other institutions. We anticipate maintaining the rigor and standards of the MS-Economics which was formerly available to APEC students. The success of graduates from the program is impressive; APEC and Math/Stat aim to continue this tradition. Graduates of the MS-E/Ph.D. program from the former Department of Economics have gone on to professional success primarily on the basis of their quantitative skills coupled with knowledge of microeconomic theory; indeed many former students expressed a desire to add more math and statistics to their training. Secondly, the disciplines of economics, mathematics, and statistics are tightly connected; the jointly administered degree will strengthen the interdisciplinary contacts between the departments

---

<sup>4</sup> The proposed program is very similar to the MS-Economics doctoral preparatory degree offered by our peer institution, North Carolina State University.

## V. Finances

### Budget

The current request represents a program that requires no new courses. With the Huntsman School of Business focusing on a professional degree called the MS-Financial Economics, APEC will be required to staff two additional courses that are currently taught by HSB personnel. The Provost has indicated that resources for an additional faculty member will be forthcoming in FY13; the College of Agriculture will cover the faculty position in FY12 using vacant position funds, after which the reallocation from the Provost will have been completed. Selected students will be funded through ongoing operating funds from the Agricultural Experiment Station, Graduate Teaching Assistantship resources (Math/Stat), and grant funding.

### Utah State University Masters of Applied Economics and Statistics

#### Financial Analysis Form for All R401 Documents

	Year 1	Year 2	Year 3	Year 4	Year 5
<b>Students</b>					
Projected FTE Enrollment <sup>1</sup>	5	5	5	5	5
	\$	\$	\$	\$	\$
Cost per FTE	28,380	28,380	28,380	28,380	28,380
Student/Faculty Ratio	5:1	5:1	5:1	5:1	5:1
Projected Headcount	5	5	5	5	5

#### Projected Tuition

Gross Tuition	45,794	47,625	49,530	51,512	53,572
Tuition to Program					

#### 5 Year Budget Projection

	Year 1	Year 2	Year 3	Year 4	Year 5
<b>Expense</b>					
Salaries & Wages	80,000	80,000	80,000	80,000	80,000
Benefits	35,200	35,200	35,200	35,200	35,200
Total Personnel	115,200	115,200	115,200	115,200	115,200
Current Expense	1,500	1,500	1,500	1,500	1,500
Assistantships	25,200	25,200	25,200	25,200	25,200
Capital					
Library Expense					
Total Expense	141,900	141,900	141,900	141,900	141,900

<b>Revenue</b>					
Legislative Appropriation					
Grants & Contracts	25,200	25,200	25,200	25,200	25,200
Donations					
Reallocation <sup>3</sup>	115,200	115,200	115,200	115,200	115,200
Tuition to Program					
Lab Fees	1,500	1,500	1,500	1,500	1,500
<b>Total Revenue</b>	<b>141,900</b>	<b>141,900</b>	<b>141,900</b>	<b>141,900</b>	<b>141,900</b>

<b>Difference</b>					
Revenue - Expenses	0	0	0	0	0

**Comments**

- 1 Numbers represent total number of students in the program.
- 2 Gross tuition generated by students in the program.

Year 1 funded by vacant position savings, years 2-5 through allocations from the  
<sup>3</sup> Provost's Office.

**Budget Comments**

Gross tuition calculated based on 50% resident and 50% non-resident students taking 10 credit hours each semester. The 2010-11 tuition-fee schedule was used, with a 4% increase calculated each year.

Salary based on 1 FTE faculty at \$80,000 per year.

Benefits calculated at 44% of base salary.

Current expenses are lab fees used to maintain/upgrade computer facilities.

Assistantships for MS students calculated for three students at \$8400 per year. The Utah Agricultural Experiment Station and Grants & Contracts will be the source of student assistantships.

The reallocation assumes additional resources equivalent to 1 faculty FTE as per discussions with the Office of the Provost.

**Funding Sources**

The proposal requires no new courses, and will rely upon standard E&G funding resources, as well as resources associated with the Agricultural Experiment Station, grants, and contracts.



### **Reallocation**

The proposal does not require any reallocation of existing resources within the departments. The Provost's Office has committed to a reallocation from general university funds (see Section V, part A).

### **Impact on Existing Budgets**

The proposed program states that APEC will assume responsibility for teaching two courses formerly taught by the Department of Economics and Finance. This would stretch the existing APEC budget beyond its current capacity; as noted above, the Provost has committed additional resources to APEC in support of the proposed degree.

## Appendix A: Curriculum

### Curriculum for proposed Masters of Science in Economics and Statistics

Course Prefix and Number	Title	Credit Hours
<i>Core Courses</i>		
APEC 7130	Microeconomic Theory I	3
APEC 7310	Econometrics I	3
APEC 7350	Mathematical Economics I	3
MATH 5710	Intro to Probability	3
APEC 7140	Microeconomic Theory II	3
APEC 7320	Econometrics II	3
APEC 7360	Mathematical Economics II	3
MATH 5720	Intro to Math/Stat	3
	Sub-Total	24
<i>Elective Courses</i>		
See Appendix B		0, 3, or 9

Plan A (30 credits total)  
Six thesis credits, 24 hours required coursework

Plan B (30 hours total)  
Three thesis credits, 24 hours required coursework, three hours elective coursework

Plan C (33 hours total)  
24 hours required coursework, nine hours elective coursework

Potential Elective Courses: See Appendix B

No new courses will be required are planned for the next five years.

## Appendix B: Program Schedule

### *Required Courses*

#### Fall Semester (12 credits)

APEC 7130	Microeconomic Theory I	3
APEC 7310	Econometrics I	3
APEC 7350	Mathematical Economics I	3
Math 5710	Intro to Probability	3

#### Spring Semester (12 credits)

APEC 7140	Microeconomic Theory II	3
APEC 7320	Econometrics II	3
APEC 7360	Mathematical Economics II	3
MATH 5720	Intro to Math/Stat	3

### *Elective Courses*

APEC 6300	Quantitative Analysis for Business and Policy Decisions	STAT 6100	Advanced Regression Analysis
APEC 6500	Intro to Natural Resource Economics	STAT 6180	Time Series
APEC 6510	Intro to Environmental Economics	STAT 6190	Wavelet Methods for Time Series
APEC 6700	Regional and Community Economic Development	STAT 6410	Applied Spatial Statistics
APEC 6710	Community Planning and Impact Analysis	STAT 6530	Modern Nonparametric Statistics
APEC 6970	Thesis Research	STAT 6710	Mathematical Statistics I
APEC 7330	Econometrics III	STAT 6720	Mathematical Statistics II
APEC 7400	International Trade and the Environment	STAT 6740	Bayesian Statistics
APEC 7500	Resource Economics		
APEC 7510	Environmental Economics		

### Appendix C: Faculty

Name	Degree/Institution	Field(s) of Expertise
<i>Applied Economics Faculty*</i>		
Ryan Bosworth	Ph.D., Economics, University of Oregon, 2005	Environmental Economics, Mathematical Economics, Econometrics
Arthur Caplan	Ph.D., Economics, University of Oregon, 1996	Environmental Economics, Microeconomic Theory
Paul Jakus	Ph.D., Economics, North Carolina State University, 1992	Environmental Economics, Statistics
Reza Oladi	Ph.D., Economics, McGill University, 2000	International Trade Theory, Microeconomic Theory
Charles Sims	Ph.D., Economics, University of Wyoming, 2009	Natural Resource Economics, Mathematical Economics, Econometrics, Programming
<i>Mathematics and Statistics Faculty**</i>		
Christopher Corcoran	Sc.D., Biostatistics, Harvard University, 1999.	Computational biostatistics, genetic epidemiology
Daniel Coster	Ph.D., Statistics, University of California, Berkeley, 1986	Linear models, experimental design, applied statistics.
Adele Cutler	Ph.D., Statistics, University of California, Berkeley, 1988	Statistical computing, machine learning.
Richard Cutler	Ph.D., Statistics, University of California, Berkeley, 1988	Ecological statistics, experimental design
Piotr Kokoszka	Ph.D., Probability, Boston University, 1993	Probability, time series, functional data analysis.
Kady Schneiter	Ph.D., Mathematical Sciences, Utah State University, 2004	Mathematics and statistics education
John Stevens	Ph.D., Statistics, Purdue University, 2005	Bioinformatics, meta-analysis, applied statistics
Juergen Symanzik	Ph.D., Statistics and Computer Science, Iowa State University, 1996	Computational statistics and statistical visualization.

\*Caplan, Jakus, and Oladi have taught courses in the MS-Economics and Ph.D. programs of APEC, Economics and Finance, and the former Dept. of Economics. Jakus (2002-2006) served as Director of Graduate Programs for the former Dept. of Economics; Caplan has been APEC Director of Graduate Programs since 2008. Caplan, Jakus and Oladi have been major professors for MS and Ph.D. students.

\*\*All statistics faculty have been major professors for MS students, and six of the eight have been major professors of Ph.D. students that have completed their degrees.

### **ITEM FOR ACTION**

Utah State University (USU) requests approval to consolidate the three existing graduate degree programs in the Department of Animal, Dairy, and Veterinary Sciences (ADVS) into a single graduate degree program (Master of Science (MS)/Doctor of Philosophy (PhD)) with five specializations.

### **EXECUTIVE SUMMARY**

The three existing graduate degree programs in the ADVS Department are continuations of the degree programs that existed in the separate Departments of Animal Science, Dairy Science, and Veterinary Science. These departments were consolidated to create the ADVS Department in the late 1970's. A Cooperative States Research, Education, and Extension Services (CSREES) Review Team that conducted a comprehensive review of the ADVS Department in November of 2004 noted, "It is evident from the degree offerings that the marriage of the three departments, although taking place some twenty years ago, has not been fully consecrated." The CSREES reviewers recommended specifically that the ADVS Department be proactive and combine the three undergraduate degree offerings (Animal Science, Dairy Science, and Bioveterinary Science) into one degree and to consider making similar changes in the graduate programs.

The consolidation of the three graduate degrees into a one-degree program will strengthen graduate education in ADVS and provide greater opportunities with more in-depth research experience. The proposed consolidation will not adversely affect the market demand for graduate students pursuing research programs in the animal sciences. Nor will the proposed change compromise the variety of graduate educational opportunities in ADVS. These changes will likely enhance interest, particularly with the addition of the Animal Health and Disease emphasis. Student demand for graduate degrees in ADVS has averaged 25 students over the last five years. ADVS anticipates this number to increase with the hiring of faculty who have major research assignments.

This proposal was prepared by the Department of Animal, Dairy and Veterinary Sciences, and has been approved by the Dean of the College of Agriculture, the Educational Policies Committee, and the Utah State University Faculty Senate.

### **RECOMMENDATION**

Based on the above proposal and approvals as indicated, the President and Provost recommend that the Board of Trustees approve the proposal to consolidate the three existing graduate degree programs in the Department of Animal, Dairy, and Veterinary Sciences into a single graduate degree program with five specializations.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University proposes to consolidate the three existing graduate degree programs in the Department of Animal, Dairy, and Veterinary Sciences (ADVS) into a single graduate degree program with five specializations, and

WHEREAS, The proposed consolidation better reflects the current composition of the Department of Animal, Dairy and Veterinary Sciences, and

WHEREAS, The proposed consolidation will strengthen graduate education in ADVS and provide greater opportunities with more in-depth research experience, and

WHEREAS, The proposed consolidation will not adversely affect the market demand for graduate students pursuing research programs in the animal sciences, and

WHEREAS, The proposal has been approved by the Dean of the College of Agriculture, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal from Utah State University to consolidate the three existing graduate degree programs in the Department of Animal, Dairy, and Veterinary Sciences into a single graduate degree program with five specializations, and that this proposal be forwarded to the Utah State Board of Regents of the Utah State System of Higher Education.

---

RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

---

DATE

**Consolidation of Three Graduate Degree Programs into One MS/PhD Degree Program  
Department of Animal, Dairy, and Veterinary Sciences  
College of Agriculture  
Utah State University**

**Section I: The Request**

Utah State University (USU) requests approval to consolidate the three existing graduate degree programs in the Department of Animal, Dairy, and Veterinary Sciences (ADVS) into a single graduate degree program (Master of Science (MS)/Doctor of Philosophy (PhD)) with five specializations (Animal Management, Animal Health and Disease, Animal Molecular Genetics, Animal Nutrition, and Reproduction and Development). Students entering the proposed single graduate degree program would receive a MS or PhD in Animal, Dairy, and Veterinary Sciences. As is the case now, under the proposed restructuring a student's program of study will come from available graduate level courses taught at the University. Generally students draw upon courses in ADVS, Biology, Chemistry, and Mathematics and Statistics. There will be no new courses added or classes deleted in ADVS as a result of the proposed graduate program changes.

**Section II: Need**

The three existing graduate degree programs in the ADVS Department are continuations of the degree programs that existed in the separate Departments of Animal Science, Dairy Science, and Veterinary Science. These departments were consolidated to create the ADVS Department in the late 1970's. A Cooperative States Research, Education, and Extension Services (CSREES) Review Team that conducted a comprehensive review of the ADVS Department in November of 2004 noted, "It is evident from the degree offerings that the marriage of the three departments, although taking place some twenty years ago, has not been fully consecrated." The CSREES reviewers recommended specifically that the ADVS Department be proactive and combine the three undergraduate degree offerings (Animal Science, Dairy Science, and Bioveterinary Science) into one degree and to consider making similar changes in the graduate programs. The first suggested change was implemented fall semester of 2007 as one undergraduate degree and four emphases. Following the implementation of a single undergraduate ADVS degree program, the ADVS Graduate Programs Committee (GPC) was given the charge by the Department Head to conduct an internal review of the graduate programs in ADVS and recommend whether or not to merge the three graduate degree programs into one. The GPC identified potential efficiencies in program delivery management and increased flexibility for graduate students that would be derived from the consolidation of the existing graduate degrees. The GPC then recommended to the Department Head that ADVS consider implementing a one-graduate-degree program. Discussion by the ADVS Faculty followed, which then led to the general consensus that significant benefits would accrue from combining the three ADVS Department graduate programs into a single degree program with five specializations. The ADVS faculty at a departmental meeting on April 8, 2008 ratified the proposal.

The consolidation of the three graduate degrees into a one-degree program will strengthen graduate education in ADVS and provide greater opportunities with more in-depth research experience. ADVS has averaged 25 MS and PhD students over the past five years, with low

numbers enrolled in the Dairy and Bioveterinary Science degrees. This proposed change will not only ensure the continuance of productive and viable graduate degree programs, but will maintain the versatility of research options for students wanting to specialize their training and research experiences.

### **Current Graduate Programs offered in ADVS**

#### **Master of Science degree**

Animal Science

Specializations in Animal Management, Animal Nutrition, Breeding and Genetics, Molecular Biology, and Reproductive Biology

Dairy Science

Specializations in Animal Nutrition, Breeding and Genetics, Dairy Management, Molecular Biology, and Reproductive Biology

Bioveterinary Science

Specializations in Parasitology and Theriogenology

#### **Doctor of Philosophy degree**

Animal Science

Specializations in Animal Nutrition, Breeding and Genetics, Molecular Biology, and Reproductive Biology

Bioveterinary Science

Specializations in Parasitology and Theriogenology

### **Proposed Single Graduate Program to be offered in ADVS**

#### **Master of Science in Animal, Dairy, and Veterinary Sciences**

Five specializations: Animal Management; Animal Health and Disease; Animal Molecular Genetics; Animal Nutrition; and Reproduction and Development

#### **Doctor of Philosophy in Animal, Dairy, and Veterinary Sciences**

Five specializations: Animal Management; Animal Health and Disease; Animal Molecular Genetics; Animal Nutrition; and Reproduction and Development

Although no longer a part of a degree name, the merging of the current three graduate degree programs will still allow ADVS to provide options for students interested in pursuing graduate studies related to the Bioveterinary Sciences. The Bioveterinary Science degree has generally attracted students wanting to pursue training in animal health and disease. Therefore the GPC recommended that Animal Health and Disease be used to describe one of the five specializations in the single-degree MS and PhD programs.

### **Section III: Institutional Impact**

The proposed consolidation will not adversely affect the market demand for graduate students pursuing research programs in the animal sciences. Nor will the proposed change compromise the variety of graduate educational opportunities in ADVS. These changes will likely enhance interest,



particularly with the addition of the Animal Health and Disease emphasis. As mentioned above, student demand for graduate degrees in ADVS has averaged 25 students over the last five years. ADVS anticipates this number to increase with the hiring of faculty who have major research assignments. Two such faculty were hired in January of 2010. At the present time, ADVS will be hiring two new faculty with research assignments of 70% who will specialize in animal infectious disease.

#### **Section 1V: Finances**

There will be no financial impact as a result of the proposed consolidation of existing graduate degree programs in ADVS. Funding for the proposed graduate degree programs will be the same as in the past, with primary sources of funding coming from the Utah Agricultural Experiment Station, state E&G funding, and internal and external grants.

### **ITEM FOR ACTION**

The Department of Animal, Dairy and Veterinary Sciences in the College of Agriculture at Utah State University requests approval to discontinue the Dairy Herdsman Program.

### **EXECUTIVE SUMMARY**

The Dairy Herdsman Program (DHP) is a one-year course of study in practical dairy knowledge and skills offered by the Department of Animal, Dairy and Veterinary Sciences (ADVS). Through lectures, laboratory exercises and on-the-farm experiences, students are taught to be a dairy herdsman with immediate employable skills upon completion of the program. The DHP initially was jointly administered with Bridgerland Applied Technology College (BATC). About one-half of the enrollees were USU students and one-half BATC students. On July 1, 2002, BATC withdrew financial support for DHP (approximately \$84,000 annually), due to budgetary constraints. This left the Department of Animal, Dairy, and Veterinary Sciences to develop a financial plan whereby DHP would have to become financially self-sufficient if the program was to survive. The plan whereby DHP would remain financially solvent required 21 students to consistently be enrolled in the program, however the 21 student-enrollment criterion was never achieved. The student base of 40 – 45 students per year during the 1980s and early 1990s has dwindled to approximately 12 students per year (calculated from years 2000 – 2010).

A major reason for the low student enrollment was the decline in family-run dairy farms. Beginning in the early 1990s the small family farm of 50 – 70 dairy cows started to decline. Today there are 70% fewer family-run dairies than there were in 1990. Most of the students that had interest in DHP were coming from the small, family-run dairy. While the number of smaller dairies was on the decline, the larger dairies with more than 150 cows were on the increase. Today dairies with over 1,000 cows are common. The larger dairies are more efficient and utilize a smaller work force, thus the demand for the dairy herdsman is much less. The continued low enrollment numbers indicate that it is time for the Department of ADVS to discontinue the DHP program.

This proposal was prepared by the Department of Animal, Dairy and Veterinary Sciences, and has been approved by the Dean of the College of Agriculture, the Educational Policies Committee, and the Utah State University Faculty Senate.

### **RECOMMENDATION**

Based on the above proposal and approvals as indicated, the President and Provost recommend that the Board of Trustees approve the proposal from the Department of Animal, Dairy and Veterinary Sciences in the College of Agriculture to discontinue the Dairy Herdsman Program.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University proposes to discontinue the Dairy Herdsman Program, and

WHEREAS, The enrollments are not sufficient to sustain the program, and

WHEREAS, The program is operating at a financial loss, and

WHEREAS, The proposal has been approved by the Dean of the College of Agriculture, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal from Utah State University to discontinue the Dairy Herdsman Program, and that this proposal be forwarded to the Utah State Board of Regents of the Utah State System of Higher Education.

---

RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

---

DATE

**Request for Discontinuation of the Dairy Herdsman Program**  
**Department of Animal, Dairy and Veterinary Sciences**  
**College of Agriculture**  
**Utah State University**

**Section I: The Request**

The Department of Animal, Dairy and Veterinary Sciences in the College of Agriculture at Utah State University requests approval to discontinue the Dairy Herdsman Program. The Dairy Herdsman Program (DHP) is a one-year course of study in practical dairy knowledge and skills offered by the Department of Animal, Dairy and Veterinary Sciences (ADVS). Through lectures, laboratory exercises and on-the-farm experiences, students are taught to be a dairy herdsman with immediate employable skills upon completion of the program. The DHP initially was jointly administered with Bridgerland Applied Technology College (BATC). About one-half of the enrollees were USU students and one-half BATC students. On July 1, 2002, BATC withdrew financial support for DHP (approximately \$84,000 annually), due to budgetary constraints. This left the Department of Animal, Dairy, and Veterinary Sciences to develop a financial plan whereby DHP would have to become financially self-sufficient if the program was to survive. During the short term, the Department of ADVS made temporary financial adjustments from 2002 through 2004 by using one-time funds from other sources. In 2005, ADVS entered into a memorandum of understanding (MOU) with the Office of the Executive Vice President and Provost that resulted in a joint contract effective July 1, 2005 through June 30, 2010. The MOU stipulated that the Provost's Office would contribute \$30,000 to the instructor's salary, and that the funding from the Provost's office would be stepped-down by \$6,000 intervals per year for five years, with the ending year being 2009. After this time, the DHP would need to be fiscally self sufficient.

The plan whereby DHP would remain financially solvent required 21 students to consistently be enrolled in the program, however the 21 student-enrollment criterion was never achieved. The student base of 40 – 45 students per year during the 1980s and early 1990s has dwindled to approximately 12 students per year (calculated from years 2000 – 2010).

A major reason for the low student enrollment was the decline in family-run dairy farms. Beginning in the early 1990s the small family farm of 50 – 70 dairy cows started to decline. Today there are 70% fewer family-run dairies than there were in 1990. Most of the students that had interest in DHP were coming from the small, family-run dairy. While the number of smaller dairies was on the decline, the larger dairies with more than 150 cows were on the increase. Today dairies with over 1,000 cows are common. The larger dairies are more efficient and utilize a smaller work force, thus the demand for the dairy herdsman is much less.

**Section II: Need**

DHP was an important program for USU and BATC at an earlier time. Originally BATC entered into DHP with USU because it was mutually beneficial. USU had the dairy facilities and cows where the herdsman students could be trained, whereas BATC paid most of the instructor's salary and some of the operational costs. As enrollment numbers began to decline, BATC withdrew from the partnership. As mentioned above, the student enrollment in the program in the early 1980s of 40

or more students declined to an average of 12 students per year by 2000. The Department of ADVS does not anticipate the enrollment numbers to increase to sustain DHP; on the contrary, expectations are that enrollment numbers will continue to drop to 8 students per year. The continued low enrollment numbers indicate that it is time for the Department of ADVS to discontinue the DHP program.

### **Section III: Institutional Impact**

Eliminating the DHP program will have a positive effect on the Department of ADVS. The person holding the lectureship position for DHP will be reassigned to lower division animal and dairy science courses that are required for the Baccalaureate degree. The last students to enroll in DHP began fall semester 2010 and will have completed their program of study by the end of spring semester 2011. No new students have been accepted into DHP for fall semester 2011.

### **Section IV: Finances**

The elimination of DHP will be a cost savings for the Department of ADVS. The program has been losing an average of \$20,316 per year since FY 2006.

**ITEM FOR ACTION**

Utah State University requests approval to offer a Master of Financial Economics in the Department of Economics and Finance in the Jon M. Huntsman School of Business. The proposed degree would be effective Fall 2011.

**EXECUTIVE SUMMARY**

The proposed Master of Science in Financial Economics (MSFE) is a reflection of the Department of Economics and Finance's commitment to create a graduate program of distinction at the intersection of economics and finance. The proposed master's degree is specifically designed to capitalize on student demand for a terminal master's degree focused on finance, the expertise and focus of the department, and the mission, vision and strategy of the Jon M. Huntsman School of Business.

The curriculum includes courses in the key areas of finance and the supporting areas of economics and quantitative methods. It is intended to prepare students for a wide range of careers both within and outside the financial industry, including risk management, asset management, macroeconomic and financial forecasting, trading, and financial and economic research. The MSFE will offer a skill set and training that will allow students to pursue the Chartered Financial Analyst (CFA) credential and enter a high-demand, well-paid labor market.

The current proposal is a response to a change in the marketplace, which demands more focused economic/finance master's degrees. Based on discussions with industry specialists, internal research, and the popularity of similar programs, it is expected that enrollment in the department's graduate program will increase from the current three to four students per year to 20 to 30 students per year.

This proposal was prepared by the Departments of Economics and Finance, and has been approved by the Dean of the Jon M. Huntsman School of Business, the Educational Policies Committee, and the Utah State University Faculty Senate.

**RECOMMENDATION**

Based on the above proposal and approvals as indicated, the President and Provost recommend that the Board of Trustees approve the proposal to offer a Master of Science in Financial Economics.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University proposes to offer to offer a Master of Science in Financial Economics, and

WHEREAS, The Department of Economics and Finance has the faculty with appropriate expertise to teach in this degree curriculum, and

WHEREAS, The proposed degree is a response to a change in the marketplace, which demands more focused economic/finance master's degrees, and

WHEREAS, Occupational outlooks for students receiving this degree are strong, and

WHEREAS, The proposal has been approved by the Dean of the Jon M. Huntsman School of Business, the Educational Policies Committee, and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal from Utah State University to offer a Master of Science in Financial Economics, and that this proposal be forwarded to the Utah State Board of Regents of the Utah State System of Higher Education.

---

---

RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

---

DATE

**Executive Summary**  
**Master of Science in Financial Economics**  
**Utah State University**

**Program Description**

The proposed Master of Science in Financial Economics (MSFE) is a reflection of the Department of Economics and Finance's commitment to create a graduate program of distinction at the intersection of economics and finance. The proposed master's degree is specifically designed to capitalize on student demand for a terminal master's degree focused on finance, the expertise and focus of the department, and the mission, vision and strategy of the Jon M. Huntsman School of Business.

**Role and Mission Fit**

Regarding Utah State University, the Utah State Board of Regents has stated the following:<sup>1</sup>

USU serves as the state's land-grant institution under state and federal legislation and is a primary center of university research and of graduate, professional, and undergraduate education in numerous authorized fields of study.

USU goals and objectives for graduate education include:<sup>2</sup>

Professional Development. Provide excellent professional development opportunities at the master's and doctoral levels, enabling our students to be highly successful in the marketplace.

Utah State University currently offers a Master of Science in Economics through the Department of Economics and Finance. The current proposal is a response to a change in the marketplace, which demands more focused economics/finance master's degrees.

**Faculty**

	Tenure		
	Track	Contract	Adjunct
Number with Doctoral degree	6	0	0
Number with Master's degree	0	1	0
Number with Bachelor degree	0	0	0

**Market Demand**

Regarding finance professionals, the Bureau of Labor Statistics (BLS) reports the following:<sup>3</sup>

<sup>1</sup> [www.utahsbr.edu/col03a.html](http://www.utahsbr.edu/col03a.html)

<sup>2</sup> [http://usu.edu/aaa/pdf/accreditation/2007\\_Strategic\\_Plan.pdf](http://usu.edu/aaa/pdf/accreditation/2007_Strategic_Plan.pdf)

<sup>3</sup> Occupational Outlook Handbook, 2008-09 Edition, [www.bls.gov/oco/ocos010.htm](http://www.bls.gov/oco/ocos010.htm)



A bachelor's degree in finance, accounting, or a related field is the minimum academic preparation, *but employers increasingly select graduates with a master's degree in business administration, economics, finance, or risk management* (emphasis added).

Financial managers may broaden their skills and exhibit their competency by attaining professional certification... For example, the CFA Institute confers the Chartered Financial Analyst designation...

Employment growth for financial managers is expected to be about as fast as the average for all occupations. However, applicants will likely face strong competition for jobs. *Those with a master's degree and a certification will have the best opportunities* (emphasis added).

Employment of financial analysts...is expected to grow much faster than the average for all occupations.

### Student Demand

Recently, the association of MBA students in the Huntsman School of Business surveyed USU MBA students to determine the business fields in which they are most interested. By a large margin, finance was the most popular choice. However, students currently do not have the opportunity to obtain a graduate degree in finance in the Huntsman School. Further, conversations with key professionals in academia, business, and government and the successful experience of other universities in offering a similar degree indicate that the MSFE will be a popular program among students. Indeed, the MSFE will offer a skill set and training that will allow students to pursue the Chartered Financial Analyst (CFA) credential and enter a high-demand, well-paid labor market.

### Statement of Financial Support

<i>Legislative Appropriation</i> . . . . .	<input type="checkbox"/>
<i>Grants</i> . . . . .	<input type="checkbox"/>
<i>Reallocated Funds</i> . . . . .	<input checked="" type="checkbox"/>
<i>Tuition dedicated to the program</i> . . . . .	<input checked="" type="checkbox"/>
<i>Other</i> . . . . .	<input checked="" type="checkbox"/>

### Similar Programs Already Offered in the USHE

The University of Utah is the only USHE institution to offer a similar program. The University of Utah offers an MS in Finance. Both degrees qualify and prepare students to take the CFA exam. However, there are some key differences. The program at the University of Utah is pure finance, with the exception of a few elective courses in management and accounting. The proposed MSFE curriculum is essentially equal parts finance and economics, and more focused on quantitative methods (i.e., mathematical economics, computational methods and econometrics are all required courses).

**Executive Summary  
Master of Science in Financial Economics  
Utah State University**

**I. Request**

The Department of Economics and Finance in the Jon M. Huntsman School of Business at Utah State University requests approval to offer a Master of Science in Financial Economics effective fall semester 2011.

**II. Program Description**

**Program Description**

The Master of Science in Financial Economics (MSFE) is designed as a terminal, professional degree in financial economics. The curriculum includes courses in the key areas of finance and the supporting areas of economics and quantitative methods. It is intended to prepare students for a wide range of careers both within and outside the financial industry, including risk management, asset management, macroeconomic and financial forecasting, trading, and financial and economic research.

**Purpose**

It is proposed that the Jon M. Huntsman School of Business offer a Master of Science in Financial Economics (hereafter MSFE) and that this degree program be housed in the Department of Economics and Finance.

As measured by the number of graduates, The Department of Economics and Finance (hereafter E&F) currently provides the largest undergraduate program offered by Utah State University. The focus of this undergraduate program is to prepare students for careers in financial institutions. Major initiatives of E&F's undergraduate program include focusing the curriculum on finance and the supporting areas of economics, an emphasis on analytical rigor, and preparing students for the series of Chartered Financial Analysis (CFA) exams. The purpose of this proposal is to develop a master's program that is complimentary to and as robust as this undergraduate program. Moreover, this proposal would bring E&F's graduate program into alignment with the expertise of its faculty, the interests of students, and Utah State University's goal to increase graduate enrollment.

Based on discussions with industry specialists, internal research, and the popularity of similar programs, it is expected that enrollment in the department's graduate program will increase from the current three to four students per year to 20 to 30 students per year.

**Institutional Readiness**

In the spring of 2008, the Department of Economics at Utah State University was restructured. The Department of Economics and Finance was formed as a separate unit in the Huntsman School of Business by combining the finance faculty and elements of the economics faculty, and the

Department of Applied Economics was formed as a separate unit in the College of Agriculture. The specific purpose of this administrative realignment was as follows:

- USU expects the more focused academic units to achieve a greater alignment with the missions of the colleges in which they reside – becoming more of an intellectual force in their respective colleges. *The respective deans will have the opportunity to shape the future of each department and to mold them to reflect the priorities of the colleges.*
- Because of their greater relevancy to the other majors in their college, USU also expects the more focused academic units to contribute more substantially to the growth and development of students in other majors located in their college.
- *USU expects the more focused academic units to be engaged more in the strategic future of their respective colleges.*
- *USU expects the more focused academic units to gain greater national visibility for their expertise in more defined areas of academic inquiry.*
- Finally, because the respective deans will have a vested interest in the success of the department in their college, USU expects the more focused academic units to acquire greater financial support from their respective colleges because their efforts and actions will be perceived as more central to the future of their respective colleges.

The current proposal is consistent with the goals of the administrative realignment as outlined above

Since inception, the Department of Economics and Finance has hired seven additional faculty members and will welcome to campus this coming academic year the inaugural Jon M. Huntsman Visiting Presidential Professors in Economics and Finance. A significant portion of the funding for these new faculty members has come from external sources. These new faculty members are primarily experts in finance and/or financial economics. Therefore, the department has built a group of highly trained and skilled professors in the area that constitutes its strategic focus, which is on the topics that constitute the intersection of the disciplines of finance and economics (i.e., financial economics). All faculty members are and will continue to be involved in teaching undergraduate courses. A more robust graduate program, however, will help faculty members stay current in their fields. Further, a more focused and professionally oriented master's program will provide an opportunity for the department's undergraduate students to continue within the department with their graduate studies.

### **Faculty, Staff and Library Resources**

The department currently offers one graduate degree, a MS (MA) in Economics. As noted in Appendix A, the proposed curriculum for the MSFE requires nine academic courses and, initially, the MSFE curriculum will share four of the courses that are part of the current MS (MA) Economics curriculum. Of this latter set of four courses, E&F provides two of the courses and the Department of Applied Economics (APEC) offers the other two: microeconomic theory I and mathematical

economics I. Therefore, this proposal requires five additional courses. The department currently has faculty who are prepared to teach these five additional courses. As a result of focusing its undergraduate program, differential tuition, and internal reallocation, the department has the resources to initiate this degree.

The department currently has 19 tenure track positions (one position is open and a faculty search is in progress) and three non-tenure track faculty. Further, the department has four part-time faculty members who teach for the department on an ongoing basis. Three of these individuals have terminal degrees (i.e., J.D. and/or Ph.D.) and the other has substantial professional experience at one of the country's premier financial institutions and teaches at the University of Utah. All faculty members who will teach in the MSFE program are actively involved in related research and regularly attend professional conferences.

As the department currently offers a robust undergraduate program in economics and finance and a master's degree in economics, sufficient staff, and library resource are currently available.

### **Admission Requirements**

The admission requirements will be consistent with the existing admission requirements for the current master's program. Admission to the current program requires a minimum grade point average (GPA) of 3.0 (4.0 = A) for the last 60 semester credits earned prior to applying for the program. Educational requirements include previous bachelors (BA or BS) level (or above) courses in intermediate microeconomic theory, econometrics/statistics, mathematical economics/calculus and corporate finance. A student whose prior academic performance warrants admission, although some prerequisite courses have not been taken, may be admitted provisionally. These students will be required to make up deficiencies by enrolling in appropriate courses prior to beginning the MSFE program. The Huntsman School of Business currently offers applicable preparatory courses during the summer semester as part of its MBA program.

Either the GRE or the GMAT is required. Scores must be at or above the 40<sup>th</sup> percentile for the verbal portion of the examinations and above the 60<sup>th</sup> percentile for the quantitative portion. A TOEFL score will be required of all students whose native tongue is not English.

### **Student Advisement**

Historically, E&F budgets to support a faculty member designated as a Graduate Program Director. The compensation typically has been the equivalent of a "summer month." This individual, along with the department head and a staff assistant, coordinates the process of admitting students into the program, advising students of program requirements,<sup>4</sup> and insuring that Graduate School rules and procedures are met. The MSFE will require a modest increment to the budget for graduate student advisement, which will be covered by department resources.

---

<sup>4</sup> As noted below, the current and proposed Master's programs have "lock-step" curricula; hence, little advising is necessary regarding curriculum issues.

## **Credit Hour Requirements**

The MSFE will require 27 credit hours of academic course work and three credit hours of research credits (i.e., Plan B) for a total of 30 credit hours. Appendix A provides the curriculum for the proposed degree.

## **External Review and Accreditation**

Prominent economists and finance professionals within academia, the Federal Reserve System, and the private financial sector were contacted regarding this proposal; support for this proposal was unanimous. The following are brief biographies of selected individuals contacted:

### *Lars Hansen.*

Dr. Hansen is a world famous economist and is currently the H. J. Livingston Distinguished Service Professor in Economics, at the University of Chicago. He was the past president of the Econometric Society and chairman of the Economics Department at Chicago. He is also the winner of numerous prestigious prizes, including the Erwin Plein Nemmers Prize in Economics in 2006 and the Frisch Medal in 1984. He is the author of path breaking research articles in quantitative methods and financial economics, including the recent book "Handbook of Financial Econometrics."

Dr. Hansen noted the importance of including a set of rigorous and quantitative based economics courses in the MSFE curriculum

### *Mark Jensen.*

Dr. Jensen is a Financial Economist and Associate Policy Advisor at the Federal Reserve Bank of Atlanta, as well as a Fellow of the Center on Financial Innovation and Financial Stability at the Federal Reserve Bank of Atlanta. He is also the President of the Society for Nonlinear Dynamics and Econometrics.

Dr. Jensen also commented on the relevance of a finance oriented degree that included a set of economics courses.

### *James Schallheim.*

Dr. Schallheim is the Jake Garn Professor of Finance at the University of Utah. He is also the director of the MS Finance program at the University of Utah. Dr. Schallheim commented on the success of the University of Utah's graduate programs in finance and the role of the CFA credential in their master's program.

### *Bonnie Newman.*

Ms. Newman holds a CFA certificate and is employed at Wells Capital Management. She stressed the value of the CFA certificate in the marketplace and presented stark differences in salaries for financial professionals with and without the CFA designation. She suggested that a master's program with a focus on finance orient and prepare students to take the CFA exam.

*Rulon Pope.*

Dr. Pope is a Professor of Economics at BYU and the former head of that distinguished department. He was asked to speak at a departmental faculty meeting because of a rather unique aspect of BYU's economics department – a distinguished program that attracts first-rate talent but does not have a Ph.D. program. Dr. Pope spoke on the need of and methods for keeping faculty at the “cutting edge” of their fields in the absence of a Ph.D. program.

Further, a faculty committee of individuals with considerable interest and expertise developed the current proposal. For example, Mr. Paul Fjeldsted, a current faculty and committee member, was the Managing Director of Citigroup Global Markets Inc. where he was responsible for structuring and trading credit derivatives on the emerging markets of Central and South America.

Programs within the Huntsman School of Business are accredited by the Association to Advance Collegiate Schools of Business (AACSB). This accreditation is renewed every five years. The next HSB review will be in 2011/12. It is anticipated that the MSFE program will not materially affect that review.

### **Projected Enrollment**

<b>Year</b>	<b>Student Headcount</b>	<b>No. of Faculty<sup>5</sup></b>	<b>Student-to-Faculty Ratio</b>	<b>Accreditation Req'd Ratio</b>
2011/12	15	2	8	N/A
2012/13	20	2	10	N/A
2013/14	25	2	13	N/A
2014/15	25	2	13	N/A
2015/16	25	2	13	N/A

### **Expansion of Existing Programs**

Students in Current MS-Economics Program:

<b>Academic Year</b>	<b>No. of Graduates</b>
2005/06	4
2006/07	5
2007/08	8
2008/09	3
2009/10	3

---

<sup>5</sup>This is the full-time equivalent number of faculty that will be involved in teaching in the MSFE program. However, approximately seven faculty members will participate in teaching in the program. For example, a faculty member may only teach one course in the MSFE and teach several undergraduate finance and/or economics courses.

### III. Need

#### Program Need

The proposed Master of Science in Financial Economics is a reflection of the department's commitment to create a graduate program of distinction at the intersection of economics and finance. The proposed master's degree is specifically designed to capitalize on student demand for a terminal master's degree focused on finance, the expertise of the faculty of E&F, and the mission, vision and strategy of the Department of Economics and Finance.

#### Labor Market Demand

The curriculum for the proposed program resembles the master's degree in finance offered at the Bendheim Center for Finance, Princeton University, which reports the following:<sup>6</sup>

The distinctive feature of Princeton's Master in Finance program is its strong emphasis on financial economics in addition to financial engineering and computational methods.

Graduates of our program have a solid understanding of the fundamental quantitative tools from economic theory, probability, statistics, optimization and computer science, all of which are becoming increasingly vital in the financial industry. While there has been much debate in recent months about the role of quantitative finance in the financial crisis, the financial industry has increasingly placed strong emphasis on quantitative tools and analysis as it seeks to rebuild itself and strengthen risk management practices.

The Master in Finance program is intended to prepare students for a wide range of careers both inside and outside the financial industry, including financial engineering and risk management, quantitative asset management, macroeconomic and financial forecasting, quantitative trading, and applied research.

Regarding finance professionals, the Bureau of Labor Statistics (BLS) reports the following:<sup>7</sup>

A bachelor's degree in finance, accounting, or a related field is the minimum academic preparation, *but employers increasingly select graduates with a master's degree in business administration, economics, finance, or risk management* (emphasis added).

Financial managers play an increasingly important role in mergers and consolidations and in global expansion and related financing.

---

<sup>6</sup> see [www.princeton.edu/bcf/graduate](http://www.princeton.edu/bcf/graduate)

<sup>7</sup> Occupational Outlook Handbook, 2008-09 Edition, [www.bls.gov/oco/ocos010.htm](http://www.bls.gov/oco/ocos010.htm)

Financial managers may broaden their skills and exhibit their competency by attaining professional certification... For example, the CFA Institute confers the Chartered Financial Analyst designation...<sup>8</sup>

Employment growth for financial managers is expected to be about as fast as the average for all occupations. However, applicants will likely face strong competition for jobs. *Those with a master's degree and a certification will have the best opportunities* (emphasis added).

Employment of financial analysts...is expected to grow much faster than the average for all occupations.

For those aspiring to financial analyst jobs, a strong academic background is absolutely essential. Good grades in courses such as finance, accounting, and economics are very important to employers... certification is helpful in maintaining employment

The BLS reports the following median annual earnings for finance professionals by industry (2006 data):

<u>Industry</u>	<u>Median Annual Earnings</u>
Securities Markets	\$131,730
Companies (Corporate Finance)	\$105,410
Nondepository Credit Intermediation	\$86,340
Local Government	\$72,790
Depository Credit Intermediation	\$77,580

It also should be noted that the economic developments of the past two years informed the development of this proposal. There appears to be broad acceptance that part of the problem that led to the financial crisis was a deficiency in analytical rigor and ethical behavior within the financial industry. Analytical rigor and a focus on ethics, which are pillars of both the Huntsman School of Business and the CFA institute, will be integrated into the curriculum that constitutes the proposed master's degree. This is part of the concentrated effort to "brand" Huntsman graduates as ethical leaders with demonstrated analytical skills.

### **Student Demand**

Recently, the association of MBA students in the Huntsman School of Business surveyed USU MBA students to determine the business fields in which they are most interested. By a large margin, finance was the most popular choice. However, students currently do not have the opportunity to obtain a graduate degree in finance in the Huntsman School. Further, conversations with key professionals in academia, business, and government and the successful experience of other universities in offering a similar degree, including the University of Utah which enrolls approximately 60 students per year, indicate that the MSFE will be a popular program among

---

<sup>8</sup> The MSFE curriculum is designed to help students achieve the CFA designation.



students. Indeed, the MSFE will offer a skill set and training that will allow students to pursue the Chartered Financial Analyst (CFA) credential and enter a high-demand, well-paid labor market.

### **Similar Programs and Collaboration with and Impact on other USHE Institutions**

The University of Utah offers an MS in Finance, which is similar to the current proposal. The University of Utah is the only USHE institution that offers a graduate degree in finance. Both the University of Utah's MS in Finance and the proposed MS in Financial Economics qualify and prepare students to take the CFA exam. However, there are some key differences. The program at the University of Utah is pure finance, with the exception of a few possible courses in management and accounting. The MSFE curriculum is essentially equal parts finance and economics, and more focused on quantitative methods (i.e., mathematical economics, computational methods and econometrics are all required courses).

Dr. James Schallheim, the Jake Garn Professor of Finance at the University of Utah and director of the MS Finance program, spoke to the E&F faculty at its 2009 fall retreat. He spoke in great detail about the curriculum at the University of Utah and was very helpful in answering questions about offering a similar degree in the Huntsman School. Further, Dr. Schallheim also substantiated the belief that there is strong demand among students for this type of degree and the importance of linking the degree curriculum to the CFA exam.

### **Benefits to Utah State University and USHE**

The MSFE is a reflection of the Department of Economics and Finance's commitment to create a graduate program of distinction at the intersection of economics and finance. The degree is specifically designed to capitalize on student demand for a terminal master's degree focused on finance, the expertise and focus of the department, and the mission, vision and strategy of the Jon M. Huntsman School of Business.

The department has built a group of highly trained and skilled professors in the area that constitutes its strategic focus, which is on the topics that constitute the intersection of the disciplines of finance and economics (i.e., financial economics). All faculty members are and will continue to be involved in teaching undergraduate courses. A more robust graduate program, however, will help faculty members stay current in their fields. Further, a more focused and professionally oriented master's program will provide an opportunity for this department's undergraduate students as well as undergraduate students at other USHE schools to pursue graduate studies in financial economics.

### **Consistency with Institutional Mission**

Regarding Utah State University, the Utah State Board of Regents has stated the following:<sup>9</sup>

USU serves as the state's land-grant institution under state and federal legislation and is a primary center of university research and of graduate, professional, and undergraduate education in numerous authorized fields of study.

---

<sup>9</sup> [www.utahsbr.edu/col03a.html](http://www.utahsbr.edu/col03a.html)

USU goals and objectives for graduate education include:<sup>10</sup>

Professional Development. Provide excellent professional development opportunities at the master's and doctoral levels, enabling our students to be highly successful in the marketplace.

Utah State University is currently authorized to offer a Master of Science in Economics through the Department of Economics and Finance. The current proposal is a response to a change in the marketplace, which demands more focused economic/finance master's degrees. Further, as noted above, this proposal is consistent with the vision of the Huntsman School of Business and the Department of Economics and Finance.

#### IV. Assessment

##### **Program Assessment and Student Performance Standards.**

The proposed master's program is primarily a terminal professional degree in financial economics. The most internationally recognized and credible credential for financial professionals is the Chartered Financial Analyst (i.e., CFA), which is earned by passing a series of analytically rigorous exams. The curriculum of the proposed MSFE is designed to help students pass the first CFA exam (i.e., level I exam) at the end of their second semester in the program.<sup>11</sup> An important metric in measuring the success of the program will be the proportion of enrolled students taking the exam and the pass rate.

#### V. Finances

##### **Budget**

The current request is essentially an incremental change to a small, existing master's program. Initially it will require only five additional courses, which as noted above is equivalent to a single faculty member devoted to teaching in the program. *Beyond the resource equivalent of a faculty member, this proposal will not have a material effect on the department's total costs of providing a graduate program. However, it is likely that the proposed change will dramatically decrease costs per student and generate significant revenue for the department through differential tuition, which is applied to graduate programs within the Huntsman School of Business. The department currently has the faculty resources to teach these five additional courses.*

The current MS program is small and, therefore, expensive on a per student basis. Three students entered the program in both 2008 and 2009. Of these six students, five received graduate assistantships of \$9,000 per year. Further, the department does not have a designated source of funding for graduate assistantships but rather has provided these assistantships on an *ad hoc* basis that is not sustainable.

---

<sup>10</sup> [http://usu.edu/aaa/pdf/accreditation/2007\\_Strategic\\_Plan.pdf](http://usu.edu/aaa/pdf/accreditation/2007_Strategic_Plan.pdf)

<sup>11</sup> The CFA level I exam is offered in June.

As outlined above, it is anticipated that there will be much stronger demand by students for the MSFE, and that students will enroll in the program without the added incentive of a graduate assistantship. Further, differential tuition will be used to achieve program excellence. For example, differential tuition has already helped the department hire two finance faculty members in the past year that it could not have hired with only the funds allocated from central administration. In addition, differential tuition has been used to secure the Wharton Database, and is being used to fund access to the Bloomberg database. For additional financial information, please see the data below.

**Utah State University**  
Economics & Finance Graduate Program

Financial Analysis Form for All R401 Documents					
	2010/11	2011/12	2012/13	Year 4	Year 5
<b>Students</b>					
Projected FTE Enrollment <sup>1</sup>	4	15	20	25	25
Cost Per FTE	\$ 56,000	\$ 24,000	\$ 18,000	\$ 14,400	\$ 14,400
Student/Faculty Ratio	4	8	10	13	13
Projected Headcount	4	15	20	25	25
<b>Projected Tuition</b>					
Gross Tuition <sup>2</sup>	\$ 36,635	\$ 142,876	\$ 198,121	\$ 257,558	\$ 267,860
Differential Tuition to Program	\$ 15,920	\$ 62,088	\$ 86,095	\$ 111,924	\$ 116,400
<b>5 Year Budget Projection</b>					
	Year 1	Year 2	Year 3	Year 4	Year 5
<b>Expense</b>					
Salaries & Wages	\$ 132,000	\$ 252,000	\$ 252,000	\$ 252,000	\$ 252,000
Benefits	57,000	108,000	108,000	108,000	108,000
Total Personnel	189,000	360,000	360,000	360,000	360,000
Plan B Committee		30,000	30,000	30,000	30,000
Assistantships	36,000	0	0	0	0
Current Expense					
Travel					
Capital					
Library Expense					
Total Expense	225,000	390,000	390,000	390,000	390,000
<b>Revenue</b>					
Legislative Appropriation					
Grants & Contracts	36,000				
Existing Resources <sup>3</sup>	173,080	327,912	303,905	278,076	273,590

Tuition to Program	15,920	62,088	86,095	111,924	116,400
Course Fees					
Total Revenue	\$ 225,000	\$ 390,000	\$ 390,000	\$ 390,000	\$ 390,000
<b>Difference</b>					
Revenue-Expense	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>Comments</b>					

<sup>1</sup> Numbers represent total number of students in the program.

<sup>2</sup> Gross tuition generated by the program

<sup>3</sup> The department has been offering an MS in economics for decades, and therefore, part of the department's budget is meant to provide the resources for this program. In addition, the department currently allocates external funds in support of the MS program.

### **Budget Comments**

The budget above is based on the following parameters and assumptions:

E&F's current graduate program requires the equivalent of one faculty member at an annual salary of \$120,000.

The proposed program will require the equivalent of two faculty members to teach graduate courses. Hence, the MSFE requires the equivalent of one additional faculty member devoted to teaching graduate courses. However, the department has applied external resources in hiring the additional faculty resources necessary to teach the additional five courses.

The incremental salary cost for the graduate advisor and staff support is \$12,000

Benefits have been calculated at 43 percent

The Plan B Committee expense will be summer months paid to members of a standing committee that will be established to supervise plan B papers.

### **Funding Sources**

The department has resources available to reallocate to this degree. After ten years, the program should have enough students that differential tuition will be sufficient to make the program self sustaining.

### **Reallocation**

The proposal will utilize some reallocation of resources within the department.

## **Impact on Existing Budgets**

There has been concern that the current proposal will impact the Economics Ph.D. program offered by the Department of Applied Economics (APEC). This concern is based on the fact that E&F currently offers four of the courses that constitute part of the curriculum for the economics Ph.D.. These courses are Macro Theory I, Macro Theory II, Econometrics I, and Econometrics II. To help alleviate this concern, E&F has agreed to continue to offer and staff these four courses for the three academic years beginning with 2010/11. Over the next three years, therefore, the current proposal will not have an effect on APEC's Ph. D. program. Regarding long-term concerns, the Office of the Provost, APEC and E&F have entered into an agreement that has satisfied APEC's concerns regarding the economics Ph.D. program. Among other terms, the two departments have agreed that after the 2012/2013 academic year, multiple listing will end for the eight courses that currently constitute the curricula of the MS (MA) in Economics degree and the first-year of the Ph.D. in Economics degree. Of course this does not prevent either department from including in its graduate curricula economics courses offered by the other department.

Given sufficient student interest, E&F will continue to accept students into its MS(MA) economics program. In the event that the department stops admitting students into this program, current MS(MA) students will not be affected as it is a one-year program.

## Appendix A: Program Curriculum

### A. Program Courses (\* indicates a new course)

*Core Courses (There are no electives) (all courses are three credits):*

ECN 7230, Macroeconomic Theory I  
ECN 7130, Microeconomic Theory I  
ECN 7310, Econometrics I  
ECN 7350, Mathematical Economics I  
ECN 7320 Computational Methods\*  
Investments\*  
Derivatives\*  
Fixed Income/International Finance\*  
Corporate Finance\*  
Thesis credits (Plan B)

Total Number of Credit Hours: 30

### B. Courses to be Added in the Next Five Years

Other than the new courses noted in Section A above, it is not anticipated that any new courses will be developed in the next five years.

## Appendix B: Program Schedule for MSFE

<u>Fall Semester – Economics Core (15 credits)</u>	<u>Credits</u>
Mathematical Economics I	3
Macroeconomic Theory I	3
Microeconomic Theory I	3
Econometrics I	3
<u>Spring Semester – Finance Core</u>	
Investments	3
Derivatives	3
Fixed Income	3
Corporate Finance	3
Quantitative/Computational Methods	3
<u>Summer Semester</u>	
Thesis Credits (Plan B Paper)	3

### Appendix C: Teaching Faculty for Program

<u>Name</u>	<u>Degree/Institution</u>	<u>Specialty</u>
Frank Caliendo	PhD Economics, Utah State University, 2003	Macroeconomics and Mathematical Methods
James Feigenbaum (Hired 2009)	PhD Economics, University of Iowa, 2003 PhD Physics, University of Chicago, 1998	Macroeconomics, Econophysics, and Mathematical Methods
Ben Blau (Hired 2009)	PhD Finance, University of Mississippi, 2008	Investments and Financial Markets
Paul Fjeldsted (Hired 2009)	MBA, Harvard Business School, 1990	Fixed-income markets and Financial Institutions
Scott Findley (Hired 2010)	PhD Economics, Colorado State, 2007	Macroeconomics and Public Finance
Tyler Brough (Hired 2010)	PhD Finance, University of Arizona, 2010	Financial Markets Quantitative Methods
Nick Guo (Hired 2010)	PhD Economics, University of Minnesota, 2010	Financial Economics Macroeconomics



**ITEM FOR ACTION**

A request from the School of Teacher Education and Leadership in the Emma Eccles Jones College of Education and Human Services at Utah State University (USU) to consolidate and rename the Education Specialist Degrees.

**EXECUTIVE SUMMARY**

In the fall of 2008, the Departments of Elementary Education and Secondary Education became part of one unit, the School of Teacher Education and Leadership. Educational Specialist in Elementary Education and Educational Specialist in Secondary Education remain approved degrees in the School of Graduate Studies. These degrees require 36-42 credits beyond the master's degree. The coursework parallels the coursework for completing a doctoral degree in Curriculum and Instruction with an emphasis in Administrative Leadership. The titles of the current degrees are remnants of the prior separate departments and these degree titles do not reflect the broad preparation that the students receive when completing their Educational Specialist degrees. Students completing these degrees work in a wide variety of educational settings and they would like the title of the degree on their diploma to reflect the broader preparation the coursework and program experiences provide.

This proposal was prepared by the School of Teacher Education and Leadership and has been approved by the Dean of the Emma Eccles Jones College of Education and Human Services, the Educational Policies Committee, and the Utah State University Faculty Senate.

**RECOMMENDATION**

Based on the above proposal and approvals as indicated, the President and Provost recommend that the Board of Trustees approve the proposal from the School of Teacher Education and Leadership in the Emma Eccles Jones College of Education and Human Services to consolidate and rename the Education Specialist Degrees.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, The School of Teacher Education and Leadership (TEAL) proposes to consolidate and rename the Education Specialist Degrees, and

WHEREAS, The proposed degree name would better reflect the preparation that the students receive when completing this degree, and

WHEREAS, The proposal has been approved by the Dean of the Emma Eccles Jones College of Education and Human Services, the Educational Policies Committee and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal from the School of Teacher Education and Leadership to consolidate and rename the Education Specialist Degrees, and that this proposal be forwarded to the Utah State Board of Regents of the Utah State System of Higher Education.

---

---

RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

\_\_\_\_\_  
DATE

**Request to Consolidate and Rename Educational Specialist Degrees  
School of Teacher Education and Leadership  
Emma Eccles Jones College of Education and Human Services  
Utah State University**

**Section I: Request**

Utah State University requests the elimination of two degree titles: Educational Specialist in Elementary Education and Educational Specialist in Secondary Education. In their place, the same coursework that is currently completed for these degrees would comprise the coursework for the newly titled degree: Education Specialist in Curriculum and Instruction.

**Section II: Need**

In the fall of 2008, the Departments of Elementary Education and Secondary Education became part of one unit, the School of Teacher Education and Leadership. Educational Specialist in Elementary Education and Educational Specialist in Secondary Education remain approved degrees in the School of Graduate Studies. These degrees require 36-42 credits beyond the master's degree. The coursework parallels the coursework for completing a doctoral degree in Curriculum and Instruction with an emphasis in Administrative Leadership. The titles of the current degrees do not reflect the broad preparation that these students receive when completing their Educational Specialist degrees. Students completing these degrees work in a wide variety of educational settings and they would like the title of the degree on their diploma to reflect the broader preparation the coursework and program experiences provide.

**Section III: Institutional Impact**

The proposed change in the title of the existing degree will not affect enrollments of affiliated departments or programs. The students who would have completed the Educational Specialist degree in Elementary or Secondary Education would simply complete the same degree program under its new title: Education Specialist in Curriculum and Instruction. Administrative structures would not change and the new degree would simply replace the degrees being eliminated. No changes in faculty and staff would be required. Physical facilities will not require changes or modifications. No new equipment will be needed.

**Section IV: Finances**

There are no new costs or savings anticipated as a result of this change. No new funds are required. There will be no changes that would have a budgetary impact on other programs or units within the institution. All funding and budgetary support for this degree currently exists and will not be affected by this change.

### **ITEM FOR ACTION**

The Department of Health, Physical Education and Recreation (HPER) in the Emma Eccles Jones College of Education and Human Services at Utah State University (USU) requests approval to rename the Bachelor of Science (BS) Health Education Specialist degree.

### **EXECUTIVE SUMMARY**

The Department of HPER requests approval to rename the Bachelor of Science (BS) "Health Education Specialist" degree. The proposed new name for the BS degree will be "Health Education and Promotion". The current emphases associated with the degree will remain the same and will retain their current titles. The requirements of the degree will remain the same thereby requiring no new faculty, courses or other resources.

*Health education* is defined as "any combination of planned learning experiences based on sound theories that provide individuals, groups, and communities the opportunity to acquire information and the skills to make quality health decisions" (Joint Committee, 1991). *Health promotion* is defined as "any planned combination of educational, political, environmental, regulatory, or organizational mechanisms that support actions and conditions of living conducive to health of individuals, groups, and communities" (Joint Committee, 1999). This name change request is being generated because the health education profession has undergone a significant period of growth in the past decades and has evolved to a point where professionals are heavily involved in both *health promotional* and *health educational* pursuits. Both terms are now in wide use in university and professional settings and have become the recognized descriptive terms for the name of the profession.

This proposal was prepared by the Department of Health, Physical Education and Recreation and has been approved by the Dean of the Emma Eccles Jones College of Education and Human Services, the Educational Policies Committee, and the Utah State University Faculty Senate.

### **RECOMMENDATION**

Based on the above proposal and approvals as indicated, the President and Provost recommend that the Board of Trustees approve the proposal from the Department of Health, Physical Education and Recreation in the Emma Eccles Jones College of Education and Human Services to rename the Bachelor of Science Health Education Specialist Degree.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Department of Health, Physical Education and Recreation proposes to rename the Bachelor of Science Health Education Specialist Degree to Health Education and Promotion, and

WHEREAS, The proposed degree name will better reflect standard practices in the health profession, and

WHEREAS, The proposed degree name will require no additional resources, and

WHEREAS, The proposal has been approved by the Dean of the Emma Eccles Jones College of Education and Human Services, the Educational Policies Committee and the USU Faculty Senate, and

WHEREAS, The proposal has been approved by the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby approve the proposal from the Department of Health, Physical Education and Recreation to rename the Bachelor of Science Health Education Specialist Degree to Health Education and Promotion, and that this proposal be forwarded to the Utah State Board of Regents of the Utah State System of Higher Education.

---

---

RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

\_\_\_\_\_  
DATE

**Request to Rename the Health Education Specialist Degree  
Department of Health, Physical Education and Recreation  
Emma Eccles Jones College of Education and Human Services  
Utah State University**

**Section I: The Action**

The Department of Health, Physical Education and Recreation (HPER) at Utah State University requests approval to rename the Bachelor of Science (BS) "Health Education Specialist" degree. The proposed new name for the BS degree will be "Health Education and Promotion". The current emphases associated with the degree will remain the same and will retain their current titles. The requirements of the degree will remain the same thereby requiring no new faculty, courses or other resources.

**Section II: Need**

*Health education* is defined as "any combination of planned learning experiences based on sound theories that provide individuals, groups, and communities the opportunity to acquire information and the skills to make quality health decisions" (Joint Committee, 1991). *Health promotion* is defined as "any planned combination of educational, political, environmental, regulatory, or organizational mechanisms that support actions and conditions of living conducive to health of individuals, groups, and communities" (Joint Committee, 1999). This name change request is being generated because the health education profession has undergone a significant period of growth in the past decades and has evolved to a point where professionals are heavily involved in both *health promotional* and *health educational* pursuits. Both terms are now in wide use in university and professional settings and have become the recognized descriptive terms for the name of the profession.

**Section III: Institutional Impact**

There will be no institutional, college or departmental impact. All required courses are currently taught by existing faculty in HPER and the Emma Eccles Jones College of Education and Human Services.

**Section IV: Finances**

The HPER department will be able to continue to offer the renamed degree with no additional resources. All required courses are currently offered and taught by existing faculty in HPER. Required courses outside of HPER are currently offered at USU.

**ITEM FOR ACTION**

**RE:** Athletics Competitive/Practice Facility (FY2011-12 Non-State Funded Capital Development Priority)

The proposed construction of an Athletics Competitive/Practice Facility described below is submitted for Board of Trustees consideration. Appropriate administrative review and approval has been received.

**EXECUTIVE SUMMARY**

Utah State University desires to construct a new Athletics Competitive/Practice Facility near the Spectrum. The 28,000 sq. ft. facility is expected to be funded through private donations at an estimated cost of \$7.5 million. The building will function primarily as a practice facility for basketball and volleyball and as a venue for volleyball competitions. Basketball and volleyball offices, meeting spaces, training rooms, small locker rooms, and ticket/concessions areas are other spaces that may be included.

The Spectrum is currently the only space available for men's and women's basketball practice and games, volleyball practice and games, gymnastics events, and many other student activities. This new facility will relieve pressure on the Spectrum and provide better accommodations to student athletes.

Operation and Maintenance (O&M) funding for the eligible E&G space in the facility will be requested at the appropriate time.

**RECOMMENDATION**

The President and Vice President for Business and Finance recommend that this project be added to the Utah State University Capital Development Priority List for FY2011-12 and be approved as presented.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, The Athletics Department is pursuing private funding for the construction of a new practice facility for basketball and volleyball and as a venue for volleyball competitions;

WHEREAS, Utah State University is required to submit its prioritized recommendations for such projects to the Board of Regents after presentation to the USU Board of Trustees;

WHEREAS, The Capital Development Priority List for FY2011-12 (including non-state funded projects) has previously been approved by the USU Board of Trustees and submitted to the Board of Regents;

WHEREAS, The Athletics Competitive/Practice Facility should be added to the Non-State Funded Capital Development Request FY2011-12;

WHEREAS, The President and Vice President for Business and Finance have reviewed the project and recommend its approval to the Board of Trustees; and

WHEREAS, The Board of Trustees has reviewed and given due consideration to Athletics Competitive/Practice Facility project:

NOW, THEREFORE, BE IT RESOLVED that the USU Board of Trustees hereby approves the project as presented and its inclusion on the Non-State Funded Capital Development Request for FY2011-12.

---

RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES

---

Date



### ITEM FOR ACTION

Utah State University (USU) submits the attached program review for the College of Engineering for consideration and action by the Board of Trustees.

### EXECUTIVE SUMMARY

The Utah State University College of Engineering has six ABET, Inc. accredited programs: Biological Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering and Mechanical Engineering. ABET, Inc., is the recognized accreditor for college and university programs in applied science, computing, engineering, and technology, and is a federation of 30 professional and technical societies representing these fields. ABET, Inc. currently accredits some 2,900 programs at more than 600 colleges and universities nationwide.

At the time of the ABET, Inc. review, the College of Engineering offered six engineering programs, all of which were evaluated during this review. The college had approximately 1500 undergraduate students and 80 full-time faculty members. The State of Utah Initiative for Engineering and Computer Science had provided significant resources for the college since 2004, leading to a net increase of 16 new faculty positions as well as funding for research and teaching equipment. The college is viewed by the university leadership to be on an impressive trajectory of significant achievements in external funding from federal sources, state government, industry and alumni. The engineering complex provides sufficient space and state of the art classrooms and laboratories for teaching and research programs as well as student activity areas. The college has developed excellent interactions with private industry and campus research institutes that permit many undergraduates to serve as engineering interns where they gain practical experience. The students are dedicated and engaged and exhibit excellent communication skills. Student groups have been very successful in regional and national student competitions.

The ABET Engineering Accreditation Committee determined the final accreditation action, which was communicated in the Final Statement dated August 12, 2009. Five programs – Civil Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering, and Mechanical Engineering were accredited to September 30, 2015. Biological Engineering was accredited to September 30, 2011; concerns about this program have been addressed, as noted in the summary report.

### RECOMMENDATION

The President and Provost recommend that the Board of Trustees accept this review of the Utah State University College of Engineering.

RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES

WHEREAS, Utah State University submits this program review for the College of Engineering, and

WHEREAS, The college has approximately 1500 undergraduate students and 80 full-time faculty members, and

WHEREAS, The physical facilities provide sufficient space and state-of-the-art classrooms and laboratories for teaching and research programs as well as student activity areas, and

WHEREAS, Sufficient resources are available to the college through external grants, alumni gifts and state funding, including the State of Utah Initiative for Engineering and Computer Science, and

WHEREAS, The goals and degree offerings of each program in the college are aligned with the college mission "To foster a diverse and creative learning environment that will empower students and faculty with the necessary knowledge and facilities to be international leaders in creating new technologies and services that will improve tomorrow's economy and environment", and

WHEREAS, The programs in the College of Engineering have been reaccredited by ABET, Inc., and

WHEREAS, The report has the support of the President and Provost of Utah State University;

NOW THEREFORE BE IT RESOLVED, That the Utah State University Board of Trustees hereby accept the program review for the College of Engineering, and that this review be forwarded to the Utah State Board of Regents of the Utah State System of Higher Education.

---

RESOLUTION APPROVED BY THE BOARD OF TRUSTEES

---

DATE

Utah State University  
Program Review: College of Engineering  
Date Reviewed: September 28-30, 2008

### The Review Committee

ABET, Inc., is the recognized accreditor for college and university programs in applied science, computing, engineering, and technology, and is a federation of 30 professional and technical societies representing these fields. ABET, Inc. currently accredits some 2,900 programs at more than 600 colleges and universities nationwide. Over 1,500 dedicated volunteers participate annually in ABET, Inc. activities. ABET, Inc. accredits programs, not departments. The Utah State University College of Engineering has six ABET, Inc. accredited programs: Biological Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering and Mechanical Engineering.

The ABET, Inc. Engineering Accreditation Committee (EAC) reaccredits programs every six years. During academic year 2007-2008, each Utah State University engineering program prepared a self-study report; all six were submitted to ABET, Inc. on July 1, 2008. On September 28-30, 2008, the College of Engineering underwent a site visit with six EAC program evaluators and a team chair. The team spent Sunday through Tuesday visiting faculty, laboratories, classrooms, students, administrators, libraries and other resources external to the college. At the conclusion of the visit, the EAC provided the College with preliminary findings via a "Draft Statement" which described the shortcomings with each program. The College then provided responses for each program, describing how shortcomings were addressed. Every shortcoming was addressed to the satisfaction of the review team. The EAC team leader prepared the Final Statement which was reviewed by all of ABET, Inc. during the July 2009 Commission Summit.

**Accreditation Action:** The EAC determined the final accreditation action, which was communicated in the Final Statement dated August 12, 2009. Five programs – Civil Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering, and Mechanical Engineering were accredited to September 30, 2015. Biological Engineering was accredited to September 30, 2011; concerns about this program have been addressed, as noted in this summary report.

### **College of Engineering Profile**

Mission: "To foster a diverse and creative learning environment that will empower students and faculty with the necessary knowledge and facilities to be international leaders in creating new technologies and services that will improve tomorrow's economy and environment." The goals and degree offerings of each program in the college are aligned with the college mission.

At the time of the ABET, Inc. review, the College of Engineering offered six engineering programs, all of which were evaluated during this review. The college had approximately 1500 undergraduate students and 80 full-time faculty members. The State of Utah Initiative for Engineering and Computer Science had provided significant resources for the college since 2004, leading to a net increase of 16 new faculty positions as well as funding for research and teaching equipment. The college is viewed by the university leadership to be on an impressive

trajectory of significant achievements in external funding from federal sources, state government, industry and alumni. The engineering complex provides sufficient space and state of the art classrooms and laboratories for teaching and research programs as well as student activity areas. The college has developed excellent interactions with private industry and campus research institutes that permit many undergraduates to serve as engineering interns where they gain practical experience. The students are dedicated and engaged and exhibit excellent communication skills. Student groups have been very successful in regional and national student competitions.

### Faculty & Staff

<b>Faculty</b>	<b>Tenure</b>	<b>Contract</b>	<b>Adjunct</b>
Number of faculty with Doctoral degrees	74	14	25
Number of faculty with Master's Degree		6	2
Number of faculty with Bachelor's degrees			
Other Faculty			
<b>Total</b>	<b>74</b>	<b>20</b>	<b>27</b>
<b>Staff</b>	<b>Full-Time</b>	<b>Part-Time</b>	
Administrative	4		N/A
Secretarial/Clerical	8	4	N/A
Laboratory Aides/Instructors		19	N/A
Advisors	3	1	N/A
Teaching/Graduate Assistants	4	33	N/A
Other Staff	11		N/A
<b>Total</b>	<b>30</b>	<b>57</b>	<b>N/A</b>

## College of Engineering

### Students

AY	# of Majors <sup>1</sup>	Undergrad Students FTE	Graduate Student FTE	# of Faculty <sup>2</sup>	FTE-to-Faculty Ratio <sup>3</sup>	# of Grads <sup>4</sup>	# of Grads Placed
2004-05	1,890	763.60	225.10	60.93	16.23	460	
2005-06	1,794	715.90	208.23	61.48	15.03	436	
2006-07	1,790	702.01	189.10	72.20	12.34	364	
2007-08	1,857	696.07	191.33	64.65	13.73	401	
2008-09	1,846	697.20	176.93	72.34	12.08	341	

### Financial Analysis<sup>5</sup>

Expense <sup>6</sup>	04-05 FY	05-06 FY	06-07 FY	07-08 FY	08-09 FY
Instructional Costs	9,405,378	9,664,911	10,005,636	10,332,996	11,145,076
Support Costs					
Other Expenses	1,866,879	1,879,642	2,178,213	2,263,542	3,008,727
Total Expense	\$11,272,258	\$11,544,553	\$12,183,848	\$12,596,538	\$14,153,803
Revenue <sup>7</sup>	04-05 FY	05-06 FY	06-07 FY	07-08 FY	08-09 FY
Legislative Appropriation	12,476,778	13,473,716	14,460,443	15,864,404	14,588,190
Grants					
Reallocation					
Tuition to Program <sup>8</sup>	108,629	155,666	202,936	226,262	122,375
Fees					
Total Revenue	\$12,585,407	\$13,629,382	\$14,663,379	\$16,090,667	\$14,710,565
Difference	04-05 FY	05-06 FY	06-07 FY	07-08 FY	08-09 FY
Revenue-Expense	\$1,313,150	\$2,084,829	\$2,479,531	\$3,494,128	\$556,762

<sup>1</sup> Department of students declared primary and secondary major, Headcount - Fall semester, source: 2009 Department Profile

<sup>2</sup> Actual E&G Academic Year FTE Faculty, source: 2009 Department Profile

<sup>3</sup> Source: 2009 Department Profile

<sup>4</sup> Degrees awarded by Department, source: 2009 Department Profile

<sup>5</sup> This financial analysis is for E&G appropriated funds only. External Grants and course fees are not included in these data.

<sup>6</sup> FY Expenses, Instructional Costs as determined by Banner program code source: Banner warehouse.

<sup>7</sup> Department revenue is a mix of several sources, including the State general fund and education fund, tuition, and other sources. Revenue is not appropriated to specific departments. Amounts shown are E&G FY Budgets - Banner Warehouse.

<sup>8</sup> Only departments that have approved differential tuition that is retained by the unit are shown on the tuition line.

\* The unit does not track number of graduates placed.

## Program Assessment

### Biological Engineering

The biological engineering program is administered by the Biological Engineering Department. The Department has 12 faculty members engaged in teaching in the undergraduate curriculum. The program offers options in biomedical, bioprocess, and bioenvironmental engineering. There are 84 full-time undergraduate students; about 40% are female.

#### Program Strengths

- Relationships between the students and faculty are collegial and respectful, and provide an atmosphere conducive to a productive learning experience. The students are bright, mature, and know what they want in life.
- The department places a high priority on teaching excellence, having won a campus-wide teaching award as well as an individual instructor award.
- The students have many opportunities to get hands-on laboratory experiences in class and participate in faculty research projects. Because of their laboratory experience and firm foundation in mathematics and science, the students are highly sought after by potential employers.

#### Program Observations

- The program could improve its continuous improvement practices by documenting data and changes throughout the review cycle. Response: The biological engineering program now documents changes throughout the review cycle.
- The exit interviews could include program outcomes to provide additional feedback on their attainment. Response: The exit interviews now include questions about achievement of program outcomes.
- The program requires every student to pass the Fundamentals of Engineering (FE) exam in order to graduate. The informal policy that allows a "department" exam to be administered if the student fails the Fundamentals of Engineering exam two times would benefit from being formalized. Response: The biological engineering program no longer requires that students pass the FE Exam as a condition for graduation. The department now formally administers a departmental exam when a student fails the FE Exam two times.

#### Program Weakness

- The curriculum criteria require that all students be involved in a major design experience. Many of the students in the major design class are carrying out research projects, not design projects. The weakness will be a focus of the next review.

### Improvements to Biological Engineering

On July 1, 2010, the Biological Engineering program submitted an Interim Report to ABET, Inc. to address the identified weakness in the area of design in the curriculum from the 2008 ABET EAC review. The department has implemented changes to the Capstone Design Sequence to ensure that the students have an improved major design experience. Changes include:

- In the BIE 3870, the junior design course, students are introduced to the engineering design process;
- An improved *Senior Design Project Proposal Guide* will be used in coming years to help direct the design planning aspects of the proposal phase of the project;
- The students will be given the *Check List for Senior Design Reports* at the beginning of the project as a grading rubric that will be used at the end of the process as part of the project evaluation;
- The Industry Advisory Board will be used to help ensure that projects are relevant and that appropriate areas of design are being addressed in the projects;
- Students in the junior design class will be required to attend the senior design presentations to allow them to learn from the senior students and to gain additional understanding of the design process.

The College of Engineering appreciates the thoroughness of the ABET, Inc. review. The recommendations and observations were important and led to program improvement. Improvements described in the unit's Interim Report, including the increased design content in the Capstone Design Experience, are sustainable, and have strengthened the Biological Engineering program. The final decision to extend the Biological Engineering program accreditation beyond September, 2011 will be made by Engineering Accreditation Commission of ABET, Inc. in July 2011. The college is confident that the improvements made will lead to multiple year accreditation of this program.

### **Civil Engineering**

The civil engineering program emphasizes the areas of water resources, environmental, and structural engineering through required courses in the curriculum. Students are required to achieve depth of study in one additional sub-discipline of civil engineering by taking one or more technical electives from a prescribed list. The program has 290 full-time undergraduate students and graduates approximately 85 students per year. The instructional faculty consists of 33 full-time members within the department and 9 members with assignments in departments other than civil engineering. Of this total 27 are tenured or tenure-track.

### Program Strengths

- The mutual respect and rapport between faculty members and students is noteworthy. The students believe that faculty members truly care about them and what they learn. Faculty members are readily available during office hours and at other times as well.
- The student chapters of the Engineers without Borders and the American Society of Civil Engineers are strong, active groups. Membership in these organizations afford students an opportunity to interact with professional engineers and to participate in a wide variety of activities that foster esprit de corps within the student body and in many cases provide a benefit to society.

### Program Weaknesses

- The assessment program is subjective and relies on perceptual survey responses to measure achievement of outcomes. Performance on the Fundamentals of Engineering exam is an example of a metric-driven assessment process the program is using. Response: The program has developed and implemented a plan for the periodic review of the five program outcomes and has obtained quantitative data for a one-year cycle that can be used for assessment of achieving the outcomes. Primary data comes from scored student work in specific courses that relate to the outcomes. Program satisfaction thresholds have been established, and faculty review of all results occurs on a regular basis to determine the level of achievement.
- The criterion requires that graduates have an ability to design a system, component, or process in more than one civil engineering context. This criterion is ostensibly met in the department's senior design sequence. Currently students are allowed to use the "Steel Bridge" and "Concrete Canoe" competitions as culminating design experiences. While these competitions have many attributes that are important to student development, the program did not demonstrate that these exercises satisfy the criteria of designing in more than one civil engineering context. Response: The culminating design experience now addresses multiple sub-disciplines of civil engineering.

### Program Concern

- The criterion requires that there be procedures to assure all students meet all program requirements. In both cases where transcripts of students simultaneously pursuing bachelors and masters' degrees were reviewed, it appeared that the students had not taken the required senior design electives prior to starting the graduate program. Response: The program has detailed more thorough advising and follow-up procedures that ensure students satisfy the technical electives requirement for the joint program.

### Program Observations

- The classrooms, laboratory spaces and computing facilities available to students and faculty have been improved greatly since the last ABET visit. There are a number of initiatives either in place or in the planning stages that will make the civil engineering spaces truly exceptional. It is important that funding for these initiatives not be curtailed. Response: The College of Engineering has used funding from an initiative sponsored by the state legislature to update laboratories. Improvements to the classrooms, laboratory spaces and computing facilities were continued using these initiative funds.
- Fifty-three percent of the faculty members possess professional registration. This level of registration constrains the department in its ability to assign faculty to design-intensive courses and does not provide the proper role model for a program that encourages all of its students to pursue professional registration and requires them to take and pass the Fundamentals of Engineering examination. Response: Although fifty-three percent of the faculty possess professional registration, the majority of the faculty have design experience, are well prepared to teach design-intensive courses, and do so as



required by the curriculum. In addition to faculty role models, the program's upper division seminars and the active student professional association regularly bring guest speakers to the classroom and to group meetings. These speakers are professional engineers who afford further role model opportunities for students. In addition, students are now asked to sign an acknowledgment that licensure is an important component of a professional career in engineering fields. The program no longer requires students to pass the Fundamental of Engineering examination to graduate with a degree in Civil Engineering, although students are still required to take the exam and attempt to pass it.

### **Computer Engineering**

The computer engineering program resides in the Department of Electrical and Computer Engineering. The program has 58 full-time and 13 part-time students with 9 students graduating in the past year. The department has a total teaching faculty of 19 full-time members. Of these ten are in electrical engineering and nine are in computer engineering. The program offers students some breadth in basic aspects of computer engineering and depth through a number of specialized electives. There is no specific depth concentration requirement.

#### Program Strengths

- The computer engineering program benefits from the long and successful history of the department as one of the oldest departments in the college with an established alumni base and industrial contacts.
- Facilities are in excellent shape and laboratory space is adequately equipped and maintained.

#### Program weakness and concerns

- There is no evidence of computer engineering students attaining program outcomes since that data taken from electrical engineering and computer engineering students are not differentiated. Response: The program has developed and begun implementing a rigorous and cyclical assessment process used to evaluate learning outcomes. In addition, the process differentiates outcomes between students in separate programs.
- The criterion requires that there be procedures to assure all students meet all program requirements. The students in the joint bachelors and masters' program do not explicitly satisfy the degree requirements in the required technical electives as indicated on the college checklist. Response: The program has now implemented more thorough advising and follow-up procedures that ensure students satisfy the technical electives requirement for the joint program.

#### Program Observations

- The concurrent M.S. and B.S. degree makes review of degree compliance difficult to track because students in the concurrent program technically receive the same

degree with 120 credit hours as others do with 126 credit hours. Response: The program has revamped their record-keeping system such that there is a distinct requirement between the M.S. and B.S. degrees that is tracked accordingly.

- Interactions between computer science and computer engineering programs at a strategic planning level are not evident. It may be mutually beneficial to formalize coordination in areas such as curricular planning, student recruitment, and course scheduling, which can greatly benefit computer engineering students and expand their educational experience. Response: The deans of the Colleges of Science and Engineering are in the process of exploring coordination and collaboration opportunities in areas of curriculum, student recruitment, course scheduling, and faculty and student engagement.

### **Electrical Engineering**

The electrical engineering program resides in the Department of Electrical and Computer Engineering. The program currently enrolls 210 students with approximately 50 students graduating each year. The department has a total teaching faculty of 19 full-time members. Of these ten are in electrical engineering and nine are in computer engineering. The program offers students breadth in basic electrical engineering and depth via a number of specialized electives. There is no specific depth concentration requirement.

#### Program Strengths

- The faculty and students of the electrical engineering program combine to provide a dynamic and interactive environment where both can prosper and grow. The faculty members are distinguished and the students are enthusiastic in their desire to learn.
- The program has an outstanding comprehensive design process that encompasses a three semester sequence of courses beginning with a fundamental design and project management course and culminating in a number of exceptional student projects conducted in a multidisciplinary environment. The program should be commended for the involvement, enthusiasm, and quality of student capstone design efforts.
- The program benefits from the enthusiastic and engaged department leadership, who are accessible to students and faculty alike.

#### Program weakness and concerns

- There is no evidence of electrical engineering students attaining program outcomes since data taken from electrical engineering and computer engineering students are not differentiated. Response: The program has developed and begun implementing a rigorous and cyclical assessment process used to evaluate learning outcomes. In addition, the process differentiates outcomes between students in separate programs.

#### Program Concerns

- The students in the joint bachelors and masters' program do not explicitly satisfy the degree requirements in the required technical electives as indicated on the college checklist. Response: The program has developed and implemented more thorough

advising and follow-up procedures that ensure students satisfy the technical electives requirement for the joint program.

- The criterion requires that the program must demonstrate that graduates have knowledge of probability and statistics, including applications appropriate to the program name and objectives. While students are required to take Mathematics 5710, Introduction to Probability, there is no evidence that statistics is covered in the course. Further, there is no evidence that students are required to apply any statistical analysis within other courses in the program. Response: The level of coverage of probability and statistics has been increased. The program is cognizant of the need to monitor the application of statistical analysis by ongoing communication between faculty members in the two departments.

#### Program Observation

- While the program appears to have adequate funding to support its current equipment maintenance and replacement needs, it would benefit from a formalized life-cycle maintenance and replacement program and a program to ensure the required calibration of department test equipment. Response: The electrical engineering program has started a formalized program to ensure required calibration of test equipment is performed on a routine basis.

#### **Environmental Engineering**

The environmental engineering program prepares graduates to solve the human and ecosystem challenges faced by the intermountain region of the United States. The program resides within the Department of Civil and Environmental Engineering. Enrollments are modest (with less than ten graduates per year) but six program faculty members are actively teaching courses taken by civil and environmental engineering students, and there is an active graduate program.

#### Program Strengths

- The Utah Water Research Laboratory is a unique national resource for water resources management. The environmental engineering program is able to access unique laboratory capabilities for undergraduate research experiences. Teaching faculty members affiliated with the laboratory are able to relate ongoing applied research projects to engineering fundamentals in the classroom.
- The environmental engineering curriculum is strong in the sciences relevant to environmental engineering practice and research. The inclusion of organic chemistry, microbiology, soil science, and public health courses takes advantage of campus strengths.
- Faculty members in the environmental engineering and civil engineering programs are actively engaged in curriculum revisions that will result in common lower division programs. This will allow students to make a more informed choice between programs. A high level of coordination in upper division courses takes maximum advantage of common interests among the faculty.

- The students are well-served by college staff and program faculty. Student advising is well done by staff and greatly appreciated by the students. The faculty members are actively engaged in providing research opportunities for the program majors, and the students are excited about the major and their future career opportunities.

#### Program weakness and concerns

- The assessment program is subjective and relies on perceptual survey responses to measure achievement of outcomes. Performance on the Fundamentals of Engineering exam is an example of a metric-driven assessment process the program is using. Response: Perceptual survey responses are now augmented by content-based, cyclical assessment of program outcomes in key undergraduate courses.
- The students in the joint bachelors and masters' program do not explicitly satisfy the degree requirements in the required technical electives as indicated on the college checklist. Response: The program has implemented more thorough advising and follow-up procedures that ensure students satisfy the technical electives requirement for the joint program. The program is using the Banner system to facilitate implementation of these procedures.

#### **Mechanical Engineering**

The mechanical engineering program resides in the Department of Mechanical and Aerospace Engineering. The department offers a bachelors degree in mechanical engineering with specializations in aerospace engineering, computational engineering, manufacturing engineering, and broad-based traditional mechanical engineering. The department expects to graduate 77 students this year from a full-time enrollment of 521. There are currently 18 full-time faculty members and six part-time faculty members.

#### Program Strengths

- The program has a significant number of enthusiastic, young, and energetic faculty members, as well as a cadre of very dedicated and experienced faculty members.
- The program has an emphasis on hands-on laboratory and project experiences. The laboratories and workshop facilities are well-maintained and students have access to these facilities with proper safety checkout and supervision procedures.

#### Program Weaknesses and Concerns

- The students in the joint bachelors and masters' program do not explicitly satisfy the degree requirements in the required technical electives as indicated on the college checklist. Response: The program has implemented more thorough advising and follow-up procedures that ensure students satisfy the technical electives requirement for the joint program. The program is using the USU Banner system to facilitate implementation of these procedures.

### Program Observations

- The department student-faculty ratio for undergraduate students is 45. The current College of Engineering average for undergraduates is 37. It would be desirable to bring the department student-faculty ratio more in line with the college. Response: The mechanical engineering program continues to work with the Dean of Engineering to bring the student-faculty ratio more in line with the college, within the constraints of the current fiscal situation.
- The current senior design project places a heavy emphasis of society-sponsored competitions (e.g., ASME, SAE, NASA). The program is encouraged to offer a greater variety of senior design project topics that include non-society sponsored competitions. Response: The program now permits a broader selection of senior design projects, for example, projects that support the Center for Persons with Disabilities at Utah State University.

January 7, 2011

**ITEM FOR ACTION**

**RE: Honorary Degrees and Commencement Speaker for 2011**

**EXECUTIVE SUMMARY**

The Honorary Degrees and Awards Screening Committee has completed its work and recommends to the Board of Trustees nominees for Honorary Degrees and Commencement Speaker for 2011. When the individuals are approved, the administration will contact them for availability and acceptance.

**RECOMMENDATION**

The Honorary Degrees and Awards Screening Committee recommends approval by the Board of Trustees of the committee's nominees for the 2011 Honorary Degrees and Commencement Speaker.

**RESOLUTION  
UTAH STATE UNIVERSITY  
BOARD OF TRUSTEES**

WHEREAS, The Honorary Degrees and Awards Screening Committee recommends to the Board of Trustees nominees for the 2011 Honorary Degrees and Commencement Speaker; and

WHEREAS, The administration will need to contact the selected individuals to determine availability and acceptance before the names are made public;

NOW, THEREFORE, BE IT RESOLVED, That the Utah State University Board of Trustees hereby approves a list of names and authorizes the administration to contact these individuals.

---

RESOLUTION APPROVED BY THE USU BOARD OF TRUSTEES:

\_\_\_\_\_  
Date