AUBURN UNIVERSITY

OFFICE OF THE PRESIDENT

September 11, 2012

MEMORANDUM TO: Board of Trustees

SUBJECT: September 20-21, 2012 Meeting

Enclosed are materials that comprise the proposed agenda for the September 20-21, 2012 meeting of the Board of Trustees. Listed below is the tentative schedule; times and locations that are subject to adjustment, depending on length of individual meetings.

Thursday, September 20, 2012

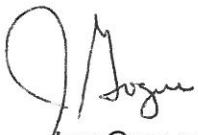
9:30 a.m. Finance Committee Workshop (Alabama Power Room, Room #502 of the Lowder Business Building)

Friday, September 21, 2012 (Ballroom B, AU Hotel)

9:30 a.m. Property and Facilities Committee
10:00 a.m. Finance Committee
10:30 a.m. Academic Affairs and AUM Joint Committee Meeting
10:45 a.m. Executive Committee
11:00 a.m. Regular Meeting of the Board of Trustees
(Proposed Executive Session – Meeting Room A, AU Hotel)
11:30 a.m. Reconvene Regular Meeting of the Board of Trustees (Ballroom B)
12:00 noon Luncheon (Ballroom A, Right - AU Hotel)

We appreciate all that you do for Auburn University and look forward to seeing you on Thursday, September 20 and Friday, September 21. Please call me, if you have questions regarding the agenda. Also, please let Grant Davis, Sherri Williams, or me know if you need assistance with travel and/or lodging arrangements.

Sincerely,



Jay Gogue
President

JG/smw

Enclosure

c: President's Cabinet (w/encl.)
Mr. Grant Davis (w/encl.)

107 Samford Hall, Auburn, AL 36849-5113; Telephone: 334-844-4650; Fax: 334-844-6179
www.auburn.edu

DRAFT SCHEDULE & AGENDA
AUBURN UNIVERSITY BOARD OF TRUSTEES
THURSDAY, SEPTEMBER 20, 2012 - FRIDAY, SEPTEMBER 21, 2012

THURSDAY, SEPTEMBER 20, 2012

I. Finance Committee Workshop/Chairperson McCrary/9:30 a.m. (Lowder Business Building) Alabama Power Room, Room #502 (located on the 5th Floor)

FRIDAY, SEPTEMBER 21, 2012

I. Committee Meetings (Ballroom B, AU Hotel)
**Committee Meetings will begin at 9:30 a.m. - - all other meetings are subject to change in starting time, depending upon the length of individual meetings.

A. Property and Facilities Committee/Chairperson Rane/9:30 a.m.

1. Approval of Auburn Research Park Expansion (Dan King/John Weete)

2. Jordan-Hare Stadium North Concourse Widening, Approval of Project Initiation and Approval of Project Engineer Selection (Dan King/Jay Jacobs)

3. Real Estate Disposition: Bruno's Building and Property at 1530 East Glenn Avenue Auburn, Alabama (Dan King/Mark Stirling)

4. Alabama Crop Improvement Lease (Dan King/Mark Stirling)

5. North Auburn Campus-Farmville Baptist Church Land Exchange (Dan King/Mark Stirling)

6. University Aviation Association Aviation Accreditation Board International, Renewal of Office Space (Dan King/Mark Stirling)

7. Status Reports (Dan King)

A. Current Status of New Construction/Renovation/Infrastructure, Budgets of $750,000 and Greater

B. Quarterly Report for Projects Costing More than $500,000 but Less than $750,000, Third Quarter Fiscal Year 2012

C. Project Status Report: September 7, 2012

B. Finance Committee/Chairperson McCrary/10:00 a.m.

1. 2012-2013 Budget (Don Large)

C. Joint Committee Meeting/Academic Affairs and AUM/Chairpersons Huntley and Sahlie/10:30 a.m.

1. Proposed Undergraduate Certificate Program in American Society and Culture (Joint Item] [John Veres/Joe King]

2. Proposed Option in Nutrition and Wellness in the Bachelor of Science in Nutrition (Tim Boosinger/June Henton)

3. Proposed Executive Graduate Certificate in Construction Management (Tim Boosinger/Vini Nathan)

4. Proposed MS/MAg in Soil, Water, and Environmental Science (Tim Boosinger/Bill Batchelor)

D. Executive Committee/Chairperson Lanier/10:45 a.m.

1. Presidential Assessment (Raymond Harbert/Peter Magrath)

2. Selection of a Board Member to the Trustee Selection Committee (Raymond Harbert)

3. Proposed Awards and Namings (Gaines Lanier)

II. REGULAR MEETING OF THE BOARD OF TRUSTEES/11:00 A.M.
A. Proposed Executive Session (Meeting Room A, AU Hotel)

III. REGULAR MEETING OF THE BOARD OF TRUSTEES/11:30 A.M. (Ballroom B, AU Hotel)
(Agenda items are determined primarily based upon committee actions.)

12:00 NOON – LUNCHEON – BALLROOM A, RIGHT (AU HOTEL)

PROPERTY AND FACILITIES COMMITTEE

RESOLUTION

APPROVAL OF AUBURN RESEARCH PARK EXPANSION

WHEREAS, on October 7, 2004, the Board of Trustees of Auburn University approved establishment of a research park to support and advance the research mission of the University to be located on an area of university campus of up to 156 acres (see Exhibit 1; outlined in red); and

WHEREAS, since its establishment, the Auburn Research Park has shown progressive development in the construction of non-university and university facilities that are leased by private sector companies and utilized by university administrators, faculty and students; and

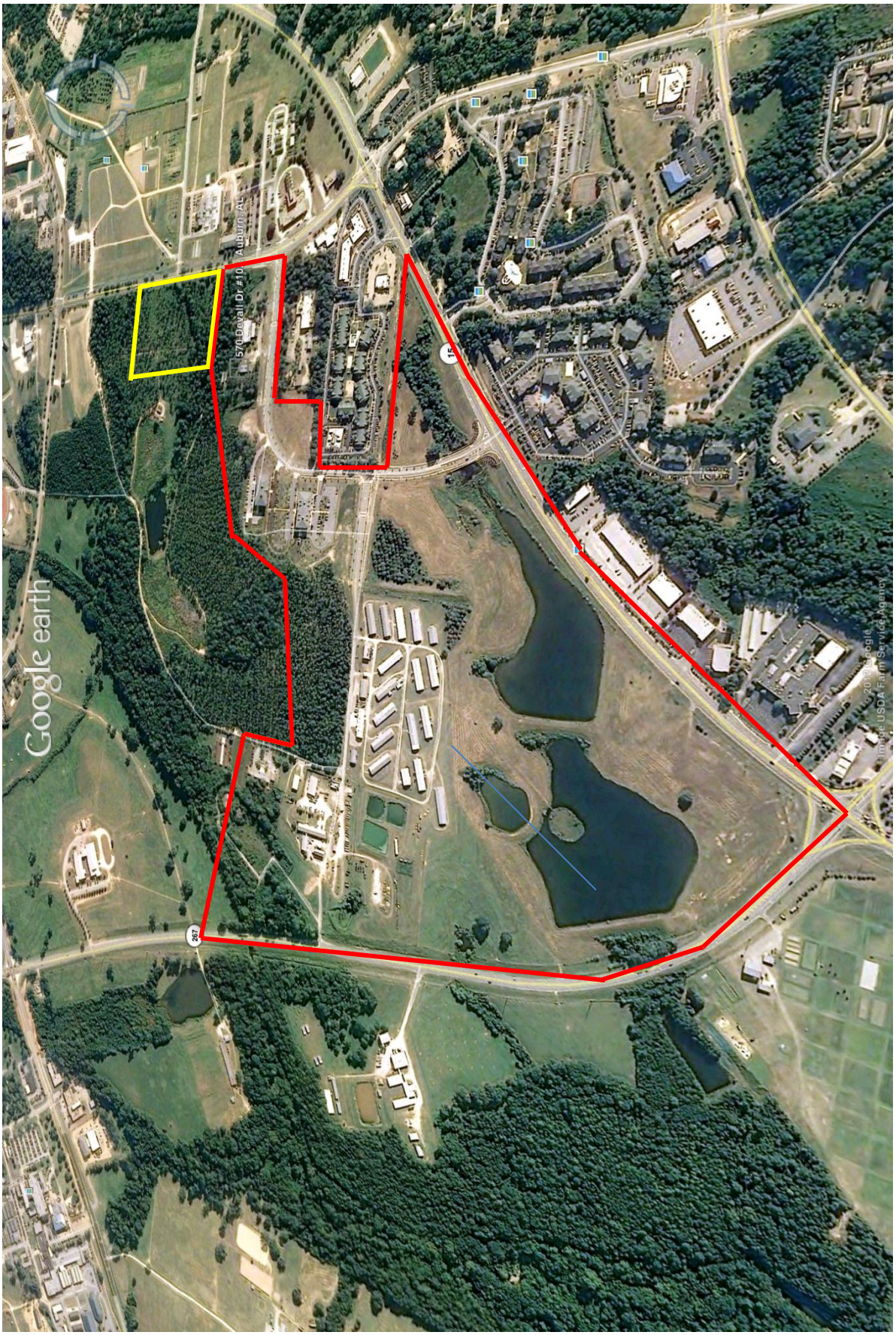
WHEREAS, the Edward Via College of Osteopathic Medicine is to be located within Auburn Research Park; and

WHEREAS, the recommended site for Edward Via College of Osteopathic Medicine academic building, and associated research facility, is just north of the original Auburn Research Park boundary (see Exhibit 1; outlined in yellow), necessitating an expansion of the Auburn Research Park in this area of up to 15 acres, with the exact acreage to be determined by the campus master planning process; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of Auburn University that expansion of the Auburn Research Park shown in Exhibit 1 (outlined in yellow) is in the best interest of the institution, and is, therefore, approved; and that Jay Gogue, President, or such other person as may be acting as President, be and the same is hereby authorized and empowered to perform the following tasks:

1. Formally incorporate the property along South Donahue Drive north of and adjacent to the original research park, as depicted in Exhibit 1, into the Auburn Research Park, and that said addition to the research park will be subject to the same terms and conditions, and restrictive covenants, as the developed portion of the original Auburn Research Park.

2. Negotiate and execute a land lease with the Auburn Research and Technology Foundation for all or a portion of said property necessary to effectuate the transaction described above. All documents consummating the lease agreement shall be reviewed as to form by legal counsel for Auburn University.


570 Devall Dr #10 Auburn, AL
Google earth

PROPERTY AND FACILITIES COMMITTEE

RESOLUTION

JORDAN-HARE STADIUM NORTH CONCOURSE WIDENING

APPROVAL OF PROJECT INITIATION
AND APPROVAL OF PROJECT ENGINEER SELECTION

WHEREAS, as part of its ongoing efforts to continually improve Jordan-Hare Stadium, the Athletics Department has proposed a project to widen the North Main Concourse to alleviate the crowded concourse situation that currently exists and to provide a better atmosphere for fans; and

WHEREAS, the Athletics Department's proposed schedule to complete the Jordan-Hare Stadium North Concourse Widening project is prior to the start of the 2013 football season; and

WHEREAS, a stadium improvements study was conducted by the civil and structural engineering firm, LBYD, of Birmingham, Alabama, and based on the planning work completed to date and the knowledge gained, significant time and cost savings can be achieved by utilizing this firm as the design engineer on the proposed Jordan-Hare Stadium North Concourse Widening project; and

WHEREAS, the proposed project is expected to cost in excess of $750,000; and Board of Trustees policy stipulates that all construction and renovation/adaptation, infrastructure or outdoor facility projects with budgets of $750,000 or more, must be submitted to the Board through the Property and Facilities Committee for action.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of Auburn University that Jordan-Hare Stadium North Concourse Widening project is approved, and Jay Gogue, President, or such other person as may be acting as President, be and the same is hereby authorized and empowered to:

1. Engage LBYD, of Birmingham, Alabama, as project engineer in the development of the facility program; to participate in space analysis and site planning; to compare alternative design concepts for consideration; and to quantify and qualify project scope and cost alternatives.

2. Limit the project design to the schematic design phase until such time as the program requirements, budget, funding plan and site are approved by the Board.

PROPERTY AND FACILITIES COMMITTEE

RESOLUTION

REAL ESTATE DISPOSITION: BRUNO'S BUILDING AND PROPERTY
AT 1530 EAST GLENN AVENUE AUBURN, ALABAMA

WHEREAS, the Board of Trustees at its meeting on November 18, 2011, adopted a resolution that approved the purchase of the Bruno's building to provide a site for the consolidation of off-campus leased space and/or the relocation of certain academic and administrative units that do not require a campus core presence, and the University subsequently purchased the Bruno's property; and

WHEREAS, the team formed to study the relocation of academic and administrative functions or units to the Bruno's site has not found a cost-effective option given the University's current financial situation; and

WHEREAS, the University has recently received a number of requests to either purchase or lease the property from various commercial enterprises and based on these inquiries, it may be in the University's best interest to further investigate its ability to sell or lease the property; and

WHEREAS, in light of the increase in real estate activity in Auburn and the number of requests for the University to consider selling or leasing the property, effectively marketing the property so that it can potentially be sold at the highest possible price is best accomplished by utilizing the services of a real estate broker; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of Auburn University that the potential sale of the Bruno's property is in the best interest of the institution, and is, therefore, approved; and that Jay Gogue, President, or such other person as may be acting as President, be and the same is hereby authorized and empowered to perform the following tasks:

1. Engage a real estate broker to market the property for sale or lease.

2. Offer the Bruno's property for sale or lease. Board of Trustee procedures for the disposition of real estate will be followed in establishing the fair market value of the property. All documents consummating the lease agreement shall be reviewed as to form by legal counsel for Auburn University.

PROPERTY AND FACILITIES COMMITTEE

RESOLUTION

ALABAMA CROP IMPROVEMENT LEASE

WHEREAS, Auburn University owns certain real property known as the Crop Improvement Building located on the Auburn Campus at 1090 S. Donahue Drive, Auburn, Alabama; and

WHEREAS, the Alabama Crop Improvement Association occupies approximately 1,258 square feet of office space in the building; and

WHEREAS, the building was built by the Alabama Crop Improvement Association on property leased to the Association on Auburn's Main Campus; and

WHEREAS, Auburn acquired ownership of the building through a reversionary clause in the ground lease; and

WHEREAS, Alabama Crop Improvement Association continuously occupied the building since it was built in 1971; and

WHEREAS, the Alabama Crop Improvement Association and Auburn continue to work together per Alabama Act 745, and this relationship enhances the operation of and is in the best interest of Auburn; and

WHEREAS, Auburn is seeking authorization from Auburn University's Board of Trustees to continue to lease the space to a State Agency.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of Auburn University that Jay Gogue, President, or such persons as may be acting as President, be and the same is hereby authorized and empowered to:

1. Take such action as necessary and desirable to prepare the appropriate lease agreements between Auburn University and the Alabama Crop Improvement Association; and

2. Execute such agreements as may be necessary to compete these transactions with the understanding that all instruments required for consummation of the leases be reviewed as to form by legal counsel for Auburn University.

PROPERTY AND FACILITIES COMMITTEE

RESOLUTION

NORTH AUBURN CAMPUS-FARMVILLE BAPTIST CHURCH LAND EXCHANGE

WHEREAS, Auburn University owns certain real property known as the North Auburn Campus that consists of approximately 3,300 acres located in and adjacent to the City of Auburn; and

WHEREAS, adjacent landowner, Farmville Baptist Church, is located on the North West corner of Hwy 147 and Farmville Road, they also own a 1.99 acre tract of land on the South West corner of the same intersection; and

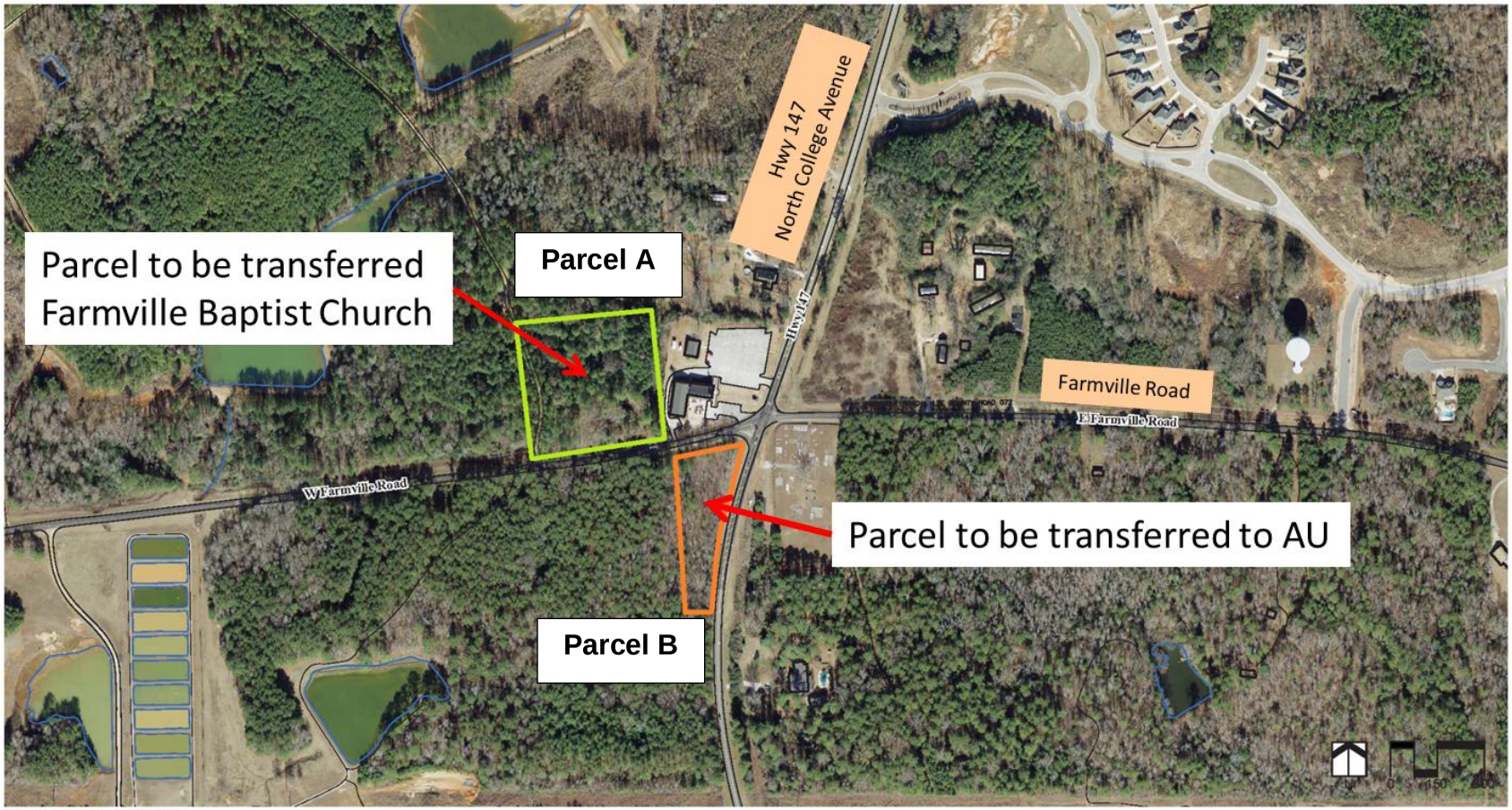
WHEREAS, a land exchange arrangement is being considered that involves 3.14 acres of land owned by Auburn University being exchanged for 1.99 acres of land owned by Farmville Baptist Church; the fair market values of the parcels have been determined by MAI appraisal; the value of the parcel received equals or exceeds the value of the property conveyed, and both land owners are agreeable to the exchange; and

WHEREAS, the proposed land exchange is consistent with the Real Property Exchange Procedure that was adopted by the Board of Trustees at its meeting on June 17, 2005.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of Auburn University that Jay Gogue, President, or such persons as may be acting as President, be and the same is hereby authorized and empowered to:

1. Take such action as necessary and desirable to exchange 3.14 acres of Auburn University property labeled Parcel A for 1.99 acres of Farmville Baptist Church property labeled Parcel B as indicated on Attachment A; and

2. Execute such agreements as may be necessary to complete this transaction with the understanding that all instruments required for consummation of the land exchange be reviewed as to form by legal counsel for Auburn University.



Map Source: Auburn University

AUBURN UNIVERSITY

Facilities Management
Office of Campus Planning & Space Management
O.D. Smith Hall
135 South College Street
Auburn University, Alabama 36849

AERIAL
North Auburn Campus Lands
At Farmville Rd & N College St
September 7, 2012

PROPERTY AND FACILITIES COMMITTEE

RESOLUTION

UNIVERSITY AVIATION ASSOCIATION AND AVIATION ACCREDITATION BOARD INTERNATIONAL

RENEWAL OF OFFICE SPACE LEASE

WHEREAS, Auburn University owns certain real property known as 3410 Skyway Drive, Auburn, Alabama 36830-6444; and

WHEREAS, this property serves as office space, allowing the University Aviation Association (UAA) and Aviation Accreditation Board International (AABI) to have their principal place of business in Auburn, Alabama; and

WHEREAS, the faculty members of the aviation programs of the College of Business believe that the close proximity and prestige created by this professional relationship between the UAA, AABI, and Auburn University provides significant benefits and enhanced opportunities to Auburn's aviation programs and, therefore, is in the best interest of Auburn University; and

WHEREAS, the Office of the Vice President for Research, the College of Business, the UAA, and the AABI understand the lease will only be extended for an additional year to allow the space to return to the OVPR for use as research space.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of Auburn University that Jay Gogue, President, or such persons as may be acting as President, be and the same is hereby authorized and empowered to:

1. Take such action as necessary and desirable to prepare two (2) appropriate lease renewal agreements, one between Auburn University and the UAA and the other between Auburn University and the AABI; and

2. Execute such agreements as may be necessary to compete these transactions with the understanding that all instruments required for consummation of the leases be reviewed as to form by legal counsel for Auburn University.

AUBURN UNIVERSITY

FACILITIES MANAGEMENT

MEMORANDUM

TO:	JAY GOGUE, President
THROUGH:	DONALD L. LARGE, Executive Vice President
FROM:	DAN KING, Assistant Vice President for Facilities
SUBJECT:	PROPERTY AND FACILITIES COMMITTEE
	CURRENT STATUS OF NEW CONSTRUCTION/RENOVATION/ INFRASTRUCTURE PROJECTS WITH BUDGETS OF $750,000 AND GREATER
	(*For Information Only*)
DATE:	SEPTEMBER 4, 2012

This memorandum requests the following proposal be presented to the Board of Trustees through the Property and Facilities Committee and included on the agenda at the meeting scheduled for September 21, 2012.

Proposal:

Consistent with standing practice, it is proposed that the current status report of new construction/renovation/infrastructure projects with budgets greater than $750,000 be submitted, *for information only,* to the Board of Trustees through the Property and Facilities Committee.

Review and Consultation:

The Board of Trustees at its meeting on June 4, 2001, requested that it receive a regular update on the status of new projects that are underway or planned which have project budgets of $750,000 or more. The attached list includes projects at Auburn University and outlying units.

Rationale for Recommendation:

Consistent with the request of the Board of Trustees for a current status report of new construction/renovation/infrastructure projects with budgets greater than $750,000, the attached listing is provided, *for information only,* to the Board through the Property and Facilities Committee for inclusion on the agenda of the meeting scheduled for September 21, 2012.

Data as of 09/04/2012

Auburn University Facilities Division

Current Capital Projects

(Spending across Multiple Years)

Summary of Cash Flow by Project Phase

Project Phase	*Previous Approved Budget Amount*	*Current Approved Budget Amount*	*Actual Spending to Date (across multiple years)*	*Estimated Cash Flow Assuming Remainder of Budget for FY2012*	*Estimated Cash Flow Assuming Remainder of Budget for FY2013 & Forward*	
Substantial Completion	301,960,698	301,160,698	288,057,662	712,116	12,146,802	*
Construction	278,534,150	285,284,150	92,279,547	24,304,603	168,700,000	
Design	20,016,320	14,866,320	2,435,501	330,819	12,100,000	
Planning	18,807,620	18,807,620	1,070,601	150,970	17,586,049	
Totals	619,318,788	620,118,788	383,843,311	25,498,508	210,532,851	*
Other Open Capital Projects	48,726,345	50,203,597	24,222,226	5,000,000	20,981,371	
Grand Totals	668,045,133	670,322,385	408,065,537	30,498,508	231,514,222	*

*** On the lines with the asterisks, the sum of the spending column and both cash flow columns does not equal the current approved budget figure. The reason relates to one project that was completed under budget: (1) "CDRI Kennel Expansion - Construct New Modular Buildings" project under budget by $244,118.**

Auburn University Facilities Division
Current Capital Projects
ESTIMATED CASHFLOW MATRIX and ACTUAL SPENDING and ENCUMBRANCE ACTIVITY

Data Extracted 08/13/2012

Project Name	*Project Phase*	*Original Approved Budget Amount*	*Data as of 09/04/2012* *Current Approved Budget Amount*	*AU Funding (includes gifts/grants)*	*AU Bond Funding*	*Federal/ State or Local Funding*	*(B)* *Actual Spending to Date (across multiple years)*	*Estimated Cash Flow Assuming Remainder of Budget for FY2012*	*Estimated Cash Flow Assuming Remainder of Budget for FY2013 & Forward*	*(C)* *Current Encum-brances Against Project*	*(A)-(B)-(C)* *Current Open Balance (Budget less Actuals and Encum-brances)*
SUBSTANTIAL COMPLETION PHASE											
CDRI Kennel Expansion - Construct New Modular Buildings (phase I) 10-246	**Completed**	2,400,000	2,400,000			2,400,000	2,155,882	0	0	0	244,118 *
Auburn-Opelika Robert G. Pitts Airport - Terminal Bldg 98-196	Substantial Completion	6,500,000	6,500,000			6,500,000	6,132,145	27,855	340,000	50,842	317,013
DEP Expansion - Ph I & II 06-072	Substantial Completion	11,856,193	11,856,193	4,118,153	7,738,040		9,170,391	0	2,685,802	0	2,685,802
Housing Project: All inclusive - Main Housing, Housing Ancillary, Housing Infrastructure, & Housing Dining projects.	Substantial Completion	118,950,000	157,840,000	2,351,000	155,489,000		157,835,684	4,316	0	0	4,316
MRI Research Center - New Building 09-098	Substantial Completion	11,201,000	11,201,000			11,201,000	10,363,637	37,363	800,000	327,423	509,940
Information Technology Center 09-118	Substantial Completion	14,000,000	24,000,000		19,092,271	4,907,729	19,446,614	153,386	4,400,000	114,828	4,438,558
South Quad Multimodal Facility - New Building 09-076	Substantial Completion	7,852,000	10,102,000	703,444		9,398,556	9,134,159	67,841	900,000	97,313	870,528

Auburn University Facilities Division
Current Capital Projects
ESTIMATED CASHFLOW MATRIX and ACTUAL SPENDING and ENCUMBRANCE ACTIVITY

Data Extracted 08/13/2012

Project Name	*Project Phase*	*Original Approved Budget Amount*	*Data as of 09/04/2012* *Current Approved Budget Amount*	*AU Funding (includes gifts/grants)*	*AU Bond Funding*	*Federal/ State or Local Funding*	*(B)* *Actual Spending to Date (across multiple years)*	*Estimated Cash Flow Assuming Remainder of Budget for FY2012*	*Estimated Cash Flow Assuming Remainder of Budget for FY2013 & Forward*	*(C)* *Current Encum-brances Against Project*	*(A)-(B)-(C)* *Current Open Balance (Budget less Actuals and Encum-brances)*
Transportation Technology Phase 2 04-111	Substantial Completion	49,500,000	52,545,000	18,107,515		34,437,485	50,376,667	300,333	1,868,000	366,952	1,801,381
Plant Sciences Center - Soil and Plant Samples Bldg 07-132	Substantial Completion	1,152,000	1,152,000	1,152,000			1,119,465	2,535	30,000	45,582	(13,047)
Multipurpose Indoor Practice Facility - New Building (include Talum Ctr Renovation) 10-126 & 10-138	Substantial Completion	16,500,000	16,500,000	1,264,646	15,235,354		16,046,749	53,251	400,000	355,958	97,293
Campus Pedestrian Improvements - Tiger Concourse - Ginn Plaza 08-116	Substantial Completion	2,500,000	2,500,000	500,000	2,000,000		2,143,917	16,083	340,000	272,953	83,130
Poultry & Animal Nutrution Center - Feed Mill Building 09-079	Substantial Completion	1,966,637	1,966,637	1,966,637			1,649,338	12,299	305,000	5,324	311,975
Wire Road New Bicycle Facilities 08-103	Substantial Completion	1,447,868	1,447,868	528,668		919,200	1,404,406	33,462	10,000	7,482	35,980
Tennessee Valley Research & Extension Center 07-145	Substantial Completion	1,000,000	1,150,000	1,150,000			1,078,608	3,392	68,000	3,997	67,395
Total Substantial Completion			301,160,698	31,842,063	199,554,665	69,763,970	288,057,662	712,116	12,146,802	1,648,654	11,454,382 *

Auburn University Facilities Division
Current Capital Projects
ESTIMATED CASHFLOW MATRIX and ACTUAL SPENDING and ENCUMBRANCE ACTIVITY

Data Extracted 08/13/2012

Project Name	*Project Phase*	*Original Approved Budget Amount*	*Data as of 09/04/2012 Current Approved Budget Amount*	*AU Funding (includes gifts/grants)*	*AU Bond Funding*	*Federal/ State or Local Funding*	*(B) Actual Spending to Date (across multiple years)*	*Estimated Cash Flow Assuming Remainder of Budget for FY2012*	*Estimated Cash Flow Assuming Remainder of Budget for FY2013 & Forward*	*(C) Current Encum-brances Against Project*	*(A)-(B)-(C) Current Open Balance (Budget less Actuals and Encum-brances)*
CONSTRUCTION PHASE											
Small Animal Teaching Hospital (09-083.1 Ph I, 09-083 Ph II)	Construction	70,000,000	74,000,000	24,000,000	40,000,000	10,000,000	19,117,472	2,882,528	52,000,000	49,111,453	5,771,075
Facilities Buildings 6, 7 and Related Projects 07-054 & 10-149	Construction	7,500,000	7,500,000	4,323,980		3,176,020	4,659,429	40,571	2,800,000	233,086	2,607,485
Student Recreation & Wellness Center Building (07-225)	Construction	72,000,000	72,000,000	5,000,000	67,000,000		39,353,895	7,646,105	25,000,000	23,787,472	8,858,633
ARRA - Center for Advanced Science, Innovation, and Commerce (NIST) 09-218	Construction	29,834,150	29,834,150	1,307,075		28,527,075	6,266,067	3,568,083	20,000,000	17,916,137	5,651,946
Student Recreation (Kinesiology) - New Building 09-220	Construction	21,600,000	21,600,000		21,600,000		9,174,150	3,425,850	9,000,000	7,974,337	4,451,513
South Donahue Residence Hall, Dinning, Biggio Parking Facility 10-217	Construction	61,500,000	75,200,000	6,600,000	68,600,000		12,893,541	6,306,459	56,000,000	48,562,567	13,743,892
Biodiversity Learning Center (Previously named COSAM-Preserved Specimens Laboratory) 06-010	Construction	2,650,000	3,500,000		3,500,000		598,106	301,894	2,600,000	2,694,613	207,281
Solon Dixon Forestry Education Ctr - New Conference Center 11-062	Construction	1,650,000	1,650,000	1,650,000			216,887	133,113	1,300,000	1,157,965	275,148
Total Construction			285,284,150	42,881,055	200,700,000	41,703,095	92,279,547	24,304,603	168,700,000	151,437,630	41,566,973

Auburn University Facilities Division
Current Capital Projects
ESTIMATED CASHFLOW MATRIX and ACTUAL SPENDING and ENCUMBRANCE ACTIVITY

Data Extracted 08/13/2012

Project Name	*Project Phase*	*Original Approved Budget Amount*	*Data as of 09/04/2012* *Current Approved Budget Amount*	*AU Funding (includes gifts/grants)*	*AU Bond Funding*	*Federal/ State or Local Funding*	*(B) Actual Spending to Date (across multiple years)*	*Estimated Cash Flow Assuming Remainder of Budget for FY2012*	*Estimated Cash Flow Assuming Remainder of Budget for FY2013 & Forward*	*(C) Current Encum-brances Against Project*	*(A)-(B)-(C) Current Open Balance (Budget less Actuals and Encum-brances)*
DESIGN PHASE											
Ag Heritage Park 98-333	Construction and Design Future Projects	2,666,320	2,666,320	2,666,320			1,427,581	38,739	1,200,000	0	1,238,739
Pebble Hill Renovation 06-176	Design	2,500,000	2,500,000	2,500,000			272,589	27,411	2,200,000	39,947	2,187,464
Telfair Peet Theatre Building Addition 09-204	Design	3,300,000	3,300,000	3,300,000			327,922	72,078	2,900,000	111,507	2,860,571
Biological Engineering Research Laboratory (BERL) 09-181	Design	6,400,000	6,400,000	1,776,992		4,623,008	407,409	192,591	5,800,000	192,359	5,800,232
Total Design			14,866,320	10,243,312	0	4,623,008	2,435,501	330,819	12,100,000	343,813	12,087,006

Auburn University Facilities Division
Current Capital Projects
Data Extracted 08/13/2012

ESTIMATED CASHFLOW MATRIX and ACTUAL SPENDING and ENCUMBRANCE ACTIVITY

Project Name	*Project Phase*	*Original Approved Budget Amount*	*Data as of 09/04/2012 Current Approved Budget Amount*	*AU Funding (includes gifts/grants)*	*AU Bond Funding*	*Federal/ State or Local Funding*	*(B) Actual Spending to Date (across multiple years)*	*Estimated Cash Flow Assuming Remainder of Budget for FY2012*	*Estimated Cash Flow Assuming Remainder of Budget for FY2013 & Forward*	*(C) Current Encum-brances Against Project*	*(A)-(B)-(C) Current Open Balance (Budget less Actuals and Encum-brances)*
PLANNING PHASE											
Equestrian Center 05-103	Planning	9,000,000	9,000,000	4,500,000		4,500,000	233,951	0	8,766,049	0	8,766,049
WW Walker Bldg Phase II - Pharmaceutical Research & Development Ct 07-037	Planning (Partial budget only at this point)	2,807,620	2,807,620	2,807,620			545,124	12,496	2,250,000	1,212,717	1,049,779
Central Classroom Facility - New Building 11-209	Planning (Partial budget only at this point)	3,500,000	3,500,000		3,500,000		13,657	16,343	3,470,000	0	3,486,343
Olympic Sport Training & Support Facility Building Renovations 11-131	Planning	3,500,000	3,500,000		3,500,000		277,869	122,131	3,100,000	175,267	3,046,864
Total Planning			18,807,620	7,307,620	7,000,000	4,500,000	1,070,601	150,970	17,586,049	1,387,984	16,349,035
Other Open Capital Projects	Various Stages		50,203,597	43,730,073	6,473,524	0	24,222,226	5,000,000	20,981,371	8,484,035	17,497,336
GRAND TOTAL			670,322,385	136,004,123	413,728,189	120,590,073	408,065,537	30,498,508	231,514,222	163,302,116	98,954,732 *

Auburn University Facilities Division
Current Capital Projects
ESTIMATED CASHFLOW MATRIX and ACTUAL SPENDING and ENCUMBRANCE ACTIVITY

Data Extracted 08/13/2012

Project Name	Project Phase	Original Approved Budget Amount	Data as of 09/04/2012 Current Approved Budget Amount	AU Funding (includes gifts/grants)	AU Bond Funding	Federal/ State or Local Funding	(B) Actual Spending to Date (across multiple years)	Estimated Cash Flow Assuming Remainder of Budget for FY2012	Estimated Cash Flow Assuming Remainder of Budget for FY2013 & Forward	(C) Current Encum-brances Against Project	(A)-(B)-(C) Current Open Balance (Budget less Actuals and Encum-brances)

*** On the lines with the asterisks, the sum of the spending column and both cash flow columns does not equal the current approved budget figure. The reason relates to one project that was completed under budget: (1) "CDRI Kennel Expansion - Construct New Modular Buildings" project under budget by $244,118.**

AUBURN UNIVERSITY

FACILITIES MANAGEMENT

MEMORANDUM

TO: JAY GOGUE, President

THROUGH: DONALD L. LARGE, Executive Vice President

FROM: DAN KING, Assistant Vice President for Facilities

SUBJECT: PROPERTY AND FACILITIES COMMITTEE

QUARTERLY REPORT FOR PROJECTS COSTING MORE THAN $500,000 BUT LESS THAN $750,000 – 3nd QTR FISCAL YEAR 2012
(*For Information Only*)

DATE: SEPTEMBER 7, 2012

This memorandum requests the following proposal be presented to the Board of Trustees through the Property and Facilities Committee and included on the agenda at the meeting scheduled for September 21, 2012.

Proposal:
The Board of Trustees, at its meeting on June 4, 2001, adopted a resolution stipulating that all projects with a total cost in the range of $500,000 to $750,000 be reported quarterly. The intent of this report is to keep the Property and Facilities Committee informed of those projects as they are occurring on campus. Consistent with standing policy, it is proposed that this report be submitted for information only.

Review and Consultation:
Projects initiated in the 3rd Quarter of Fiscal Year 2012 and costing more than $500,000 but less than $750,000 are listed on the following table.

3rd Quarter FY 2012 Projects $500,000 - $750,000	Project Number	Account Number	Cost
Jordan-Hare Stadium - Field Level, Safety Improvements Under SE Corner Bleachers	11-326	920970102048P100	$512,288
Foy Hall - Basement Level, Renovate Space For Pharmacy Care Systems	11-201	920921102048P100	$610,982

Rationale for Recommendation:
Consistent with standing policy, this report is submitted to the Board of Trustees through the Property and Facilities Committee for information at the meeting scheduled for September 21, 2012.

AUBURN UNIVERSITY

FACILITIES MANAGEMENT
MEMORANDUM

TO:	JAY GOGUE, President
THROUGH:	DONALD L. LARGE, Executive Vice President
FROM:	DAN KING, Assistant Vice President for Facilities
SUBJECT:	PROPERTY AND FACILITIES COMMITTEE
	PROJECT STATUS REPORT
DATE:	SEPTEMBER 7, 2012

This memorandum requests the following proposal be presented to the Board of Trustees through the Property and Facilities Committee and included on the agenda at the meeting scheduled for September 21, 2012.

Proposal:
In response to informal inquiries with regard to particular projects in progress or envisaged, it is proposed that a brief report regarding the status of Board of Trustees approved projects be submitted, *for information only,* to the Board of Trustees through the Property and Facilities Committee.

Review and Consultation:
The responsibility of the Board of Trustees extends to the oversight of funding, planning, design, construction, maintenance and operation of University buildings and facilities. The date of project establishment in the development process is often separated by years from the date of dedication. Although the process is prolonged, Board interest remains enthusiastic throughout. This Project Status Report is intended to inform interested parties of the status of projects previously approved by the Board of Trustees.

Rationale for Recommendation:
The desire to be responsive to inquiries regarding specific capital projects and the process from conception to completion has prompted the development of a Project Status Report. The current memo is provided, *for information only,* to the Board of Trustees through the Property and Facilities Committee for inclusion on the agenda of the meeting scheduled for September 21, 2012.

PROJECT/PHASE	STATUS
Projects in Planning Stage:	
• Equine Studies – New Facilities	On hold pending funding
• Band Rehearsal Hall Phase 2	On hold pending funding
• Equine Plasma Storage Building	On hold pending funding
• Wire Road Widening and Realignment	Approved April 2011
Projects in Design Stage:	
• Pharmaceutical Research & Development Center	Approved June 2007
• Renovations to the Hill and CDV Residence Halls	Approved June 2010
• Central Classroom Facility	Approved June 2011
• Relocation of Sports Medicine and Other Team Functions From the Coliseum	Approved February 2012
• Construct Faculty and Staff Lounge	Approved April 2012
• Renovation of Plainsman Park Locker Rooms	Approved April 2012
• Hot Water Lines for the Athletic/Recreation Sector	Approved June 2012
Schematic Design Approved:	
• Pebble Hill Renovation & Addition	Approved November 2007
• Watson Field House Renovation	Approved April 2011
• Auburn Wellness Kitchen	Approved November 2011
Projects in Construction Stage:	
• COSAM – Biodiversity Learning Center	Approved November 2006
• Telfair Peet Theatre Addition	Approved November 2009
• Center for Adv. Science, Innovation & Commerce	Approved September 2009
• Small Animal Teaching Hospital – Phase II	Approved February 2010
• Student Wellness and Sustainability Center	Approved June 2010
• Facilities Division Buildings VI & VII	Approved June 2010
• Department of Kinesiology Building	Approved September 2010
• Biological Engineering Research Laboratory	Approved November 2010
• Parking and Transportation Facility at Biggio Drive	Approved February 2011
• Student Housing and Dining: West Samford & Donahue	Approved February 2011
• Solon Dixon Forestry Education Center Classroom	Approved April 2011
• AUM: Student Residence Hall	Approved April 2011
Projects in Closeout Stage or Complete:	
• Aquatics Resource Management Center – New Building	Approved November 2006
• Shelby Center for Engineering – Phase II	Approved April 2007
• Plant Science Center Complex – Processing & Handling Fac.	Approved November 2007
• Wire Road – New Bicycle Facilities	Approved June 2008
• Poultry & Animal Nutrition Center – Feed Mill Building	Approved March 2009
• Small Animal Teaching Hospital – Phase I	Approved Feb 2010
• AAES Tennessee Valley Research & Extension Center	Approved June 2010
• AUM Wellness Center	Approved June 2010
• Campus Pedestrian Improvements	Approved September 2010

FINANCE COMMITTEE

RESOLUTION

2012-2013 BUDGET

BE IT RESOLVED by the Board of Trustees of Auburn University as follows:

Section 1. The operating budget for Auburn University covering current operating funds and auxiliary funds for the fiscal year beginning October 1, 2012, and ending September 30, 2013, as presented by the President and approved by the Finance Committee of the Board of Trustees, be, and the same is hereby approved.

Section 2. Nothing in said budget shall be accepted or construed to be legal obligations or liabilities against Auburn University. The amounts fixed in the components of the budget for the year 2012-2013 shall be understood to be the relative amounts to be paid or expended for those components in relationship to the funds and/or income of the University available for the support and maintenance of the University

Section 3. The proposed expenditure amounts as set out in the budget are hereby approved and adopted and the President is authorized and empowered to enact such budget on October 1, 2012. The President is further authorized and empowered to effect routine adjustments to this budget as deemed necessary and appropriate.

Section 4. The Finance Committee of the Board of Trustees is requested and authorized to approve material adjustments in this budget as may be determined necessary and presented by the President.

AUBURN UNIVERSITY

OFFICE OF THE PRESIDENT

August 14, 2012

MEMORANDUM TO: President Jay Gogue

FROM: Donald L. Large, Jr.

SUBJECT: Board of Trustees Agenda Item -

Proposed Fiscal Year 2012-2013 Budget for Trustee Consideration

Please find enclosed a copy of the proposed Budget for Auburn University, which includes all four divisions with breakdowns by colleges and departments as appropriate. Additional information is included regarding capital projects and proposed spending along with other summary information.

We will be prepared to review the proposed budget in detail if desired by the Finance Committee and will be requesting approval of the proposed budget for implementation effective October 1, 2012.

pah

Enclosure

c: Mr. Grant Davis

107 Samford Hall, Auburn, AL 36849-5113; Telephone: 334-844-4650; Fax: 334-844-6179

www.auburn.edu

ACADEMIC AFFAIRS COMMITTEE
AUBURN UNIVERSITY AT MONTGOMERY COMMITTEE

RESOLUTION

PROPOSED UNDERGRADUATE CERTIFICATE PROGRAM IN AMERICAN SOCIETY AND CULTURE

WHEREAS, the AUM School of Liberal Arts wishes to provide students with the opportunity to gain an understanding of the United States in order better to interact professionally with Americans; and

WHEREAS, such knowledge will also benefit international students should they come to the United States to study; and

WHEREAS, for such students a certificate in American Society and Culture can serve as a professional credential in international business and intergovernmental relations with the United States;

WHEREAS, students now abroad should be able to gain such knowledge through online courses; and

WHEREAS, the establishment of an interdisciplinary, online, undergraduate certificate program in American Society and Culture would afford international students the above knowledge and access via the internet; and

WHEREAS, such a certificate program would draw on courses currently in AUM's catalog and would not require additional resources or faculty;

WHEREAS, the request to create this undergraduate certificate has been endorsed by the deans of the AUM's School of Liberal Arts and School of Sciences, Provost, and Chancellor, and Auburn University's President.

NOW, THEREFORE, BE IT RESOLVED by Auburn University's Board of Trustees that the proposed undergraduate Certificate in American Society and Culture from the School of Liberal Arts be approved.

ACADEMIC AFFAIRS COMMITTEE

RESOLUTION

PROPOSED OPTION IN NUTRITION AND WELLNESS WITHIN THE EXISTING BACHELOR OF SCIENCE IN NUTRITION

WHEREAS, the College of Human Sciences currently offers two formal options within the existing Bachelor of Science in Nutrition; and

WHEREAS, the Department of Nutrition, Dietetics, and Hospitality Management seeks to create a new bachelor's degree option in Nutrition and Wellness within the existing Bachelor of Science in Nutrition; and

WHEREAS, the proposed degree option would provide a comprehensive approach to the study of nutritional science as it relates to wellness education and promotion among diverse community populations; and

WHEREAS, the proposed degree option would not require additional resources, faculty, or space; and

WHEREAS, the request to create this option has been endorsed by the Dean of the College of Human Sciences, the University Curriculum Committee, the Provost, and the President.

NOW, THEREFORE, BE IT RESOLVED by Auburn University's Board of Trustees that the proposed option in Nutrition and Wellness within the existing Bachelor of Science in Nutrition be approved and forwarded to the Alabama Commission on Higher Education (ACHE) for review and approval.

AUBURN UNIVERSITY

OFFICE OF THE PROVOST
AND VICE PRESIDENT FOR
ACADEMIC AFFAIRS

August 20, 2012

MEMORANDUM TO: Jay Gogue
President

FROM: Timothy R. Boosinger
Provost and Vice President for Academic Affairs

SUBJECT: Agenda Item for the Board of Trustees –
Proposed Option in Nutrition and Wellness in the Bachelor of Science in Nutrition

I am writing to request that the following item be added to the Board of Trustees' agenda for the **September 21, 2012** meeting.

Proposal: The College of Human Sciences is proposing a new degree option in Nutrition and Wellness within the existing Bachelor of Science in Nutrition.

Review and Consultation: Faculty in the Department of Nutrition, Dietetics, and Hospitality Management initiated this proposal to provide an additional plan of study for students desiring careers in the growing field of Nutrition and Wellness. The current BS in Nutrition maintains two options: one in Nutrition Science - designed for students applying for medical or other health profession schools, and the other in Nutrition/Dietetics - designed for students who desire to complete a Post-Baccalaureate Supervised Practice Experience to become Registered Dietitians. The proposed third option in Nutrition and Wellness will enable existing and future students to pursue a course of study that combines the foundational science of Nutrition with an emphasis on community health education and promotion. Students will demonstrate knowledge and application of key areas of nutritional science as they relate to wellness education and promotion among diverse populations.

Establishing this option will allow graduates to pursue careers in areas such as health risk assessment, community education, and health promotion and risk reduction. If approved, the proposed enrollment for the option would be 30-45 students annually. Following completion of the necessary approval processes, the College of Human Sciences would begin offering the proposed option immediately.

Recommendation: It is recommended that the Board approve the proposed option in Nutrition and Wellness within the existing Bachelor of Science in Nutrition. The proposal was reviewed and approved by Auburn University's Curriculum Committee in Summer 2012, and has been approved by the College of Human Sciences and the Provost's Office. If approved by the Auburn University Board of Trustees, the proposed option will be forwarded to the Alabama Commission on Higher Education (ACHE) for review and approval.

208 Samford Hall, Auburn, AL 36849-5108; Telephone: 334-844-5771; Fax: 334-844-5778

www.auburn.edu

AUBURN UNIVERSITY

OFFICE OF
UNDERGRADUATE STUDIES

August 13, 2012

TO: Timothy Boosinger
Provost and Vice-President for Academic Affairs

FROM: Constance Relihan
Associate Provost for Undergraduate Studies

SUBJECT: Agenda Item for the Board of Trustees – BS in Nutrition, Nutrition and Wellness Option

I am writing to request that the following item be added to the Board of Trustees' agenda for their **September 21, 2012** meeting.

Proposal: The College of Human Sciences is proposing a formal degree option in Nutrition and Wellness, within the existing BS in Nutrition (*in CIP 30.1901*). If approved by the Offices of the Provost and the President, the proposed option would be forwarded to Auburn University's Board of Trustees for review and approval.

Review and Consultation: The Option in Nutrition and Wellness is proposed as a means of providing training and skill development in an area of growing need within the Nutrition discipline, which has seen a dramatic increase in the number of community-based programs with a focus similar to that of the proposed option. Additionally, the degree option is projected to help increase the placement rate of the Nutrition program's graduates into post-baccalaureate supervised practice experiences – which is an important concern in light of the 2012 Accreditation Council for Education in Nutrition and Dietetics accreditation standards. The proposal was reviewed by the Auburn University Curriculum Committee, and received its approval in Summer 2012.

Recommendation: It is recommended that the proposed Nutrition and Wellness, within the existing BS in Nutrition, be approved, and forwarded to Auburn University's Board of Trustees for review and approval.

211 Samford Hall, Auburn, AL 36849-5147; Telephone: 334-844-4900; Fax: 334-844-5000
www.auburn.edu

OFFICE OF
THE DEAN

AUBURN UNIVERSITY
COLLEGE OF HUMAN SCIENCES

MEMORANDUM

To: Dr. Constance Relihan
Associate Provost/University Curriculum Committee Chair

From: Dr. June Henton
Dean, College of Human Sciences

Date: August 8, 2012

Re: B.S. in Nutrition/Nutrition and Wellness option (new option proposal)

The purpose of this memorandum is to request approval of the addition of a Nutrition and Wellness option to the current Bachelor of Science in Nutrition degree program. Currently, the Nutrition degree includes two options: (1) Nutrition Science and (2) Nutrition/Dietetics. The new option is designed for students interested in working in the area of health/wellness and is designed to provide students with the breadth of courses needed to gain required expertise to work in a wider range of settings including community-based wellness services and programs staffed by personnel trained in promoting healthy lifestyles.

There are several underlying reasons for the Nutrition/Wellness option proposal. A growing number of jobs are available in community-based programs which require advanced nutrition knowledge, but not the extensive specialized medical nutrition support knowledge required to work with hospitalized populations as incorporated into the Nutrition/Dietetics option. The demand for professionals with nutrition expertise in health and wellness is growing in large part from the national obesity epidemic, a problem that is especially true in Alabama, ranked as the third most obese state. The need for the new option is also based on the current disproportionate demand versus supply of Supervised Practice Experience (SPE) slots. There is a growing nationwide shortage of accredited Supervised Practice Experience (SPE) slots for students wishing to become registered dietitians. Currently, more than 4500 graduates of nutrition/dietetics programs apply for fewer than 2500 SPE slots. The creation of this new option will allow a new avenue for students who are interested in improving quality of life through health and wellness in addition to the current options available. The Nutrition/Dietetics option is designed for students who wish to complete the requirements to become a registered dietician (including SPE placement) and the Nutrition Science option is designed for students applying for medical or other health professional schools.

Thank you for your consideration of this request. If you require additional information, please contact me.

xc: Dr. Susan Hubbard
Dr. Martin O'Neill

210 Spidle Hall, Auburn, AL 36849-5601; Telephone: 334-844-3790; Fax: 334-844-3749
www.auburn.edu

OFFICE OF
THE DEAN

AUBURN UNIVERSITY
COLLEGE OF HUMAN SCIENCES

MEMORANDUM

To: Dr. June Henton
Dean, College of Human Sciences

From: Dr. Martin O'Neill MOW 8/8/12
Nutrition, Dietetics, and Hospitality Management Department Head

Date: August 6, 2012

Re: B.S. in Nutrition/Nutrition and Wellness option (new option proposal)

The purpose of this memorandum is to request approval of the addition of a Nutrition and Wellness option to the current Bachelor of Science in Nutrition degree program. The Nutrition degree currently carries two options: (1) Nutrition Science (designed for students applying for medical or other health profession schools) and (2) Nutrition/Dietetics. The Nutrition/Dietetics option is designed for students who wish to complete a post-baccalaureate supervised practice experience (SPE) to become Registered Dietitians (RD) mainly working in hospital settings with sick populations. The new option is designed for students interested in working in the area of health/wellness and gives them the breadth of courses needed to gain required expertise to work in a wider range of settings.

The need for this option arises from a growing number of jobs in community-based programs; these jobs require advanced nutrition knowledge, but not the extensive specialized medical nutrition support knowledge required to work with hospitalized populations as incorporated into the Nutrition/Dietetics option. The demand for professionals with nutrition expertise in health and wellness is growing in large part from the national obesity epidemic, a problem that is especially true in Alabama, ranked as the third most obese state. The need for the new option is also based on the current disproportionate demand versus supply of SPE slots. There is a growing nationwide shortage of accredited supervised practice experience (SPE) slots for students wishing to become registered dietitians. Currently, more than 4500 graduates of nutrition/dietetics programs apply for fewer than 2500 SPE slots. In spring 2012, only 50% of Auburn dietetics applicants were successful in obtaining SPE appointments, down from 80% in 2010 due in large part to the nationwide shortage of placement sites. Such statistics should improve with the creation of this new option and help assure that Auburn's Nutrition/Dietetics program will continue to meet 2012 accreditation requirements issued by the Accreditation Council for Education in Nutrition and Dietetics, which accredits the BS in Nutrition/Dietetics option. Furthermore, an additional nutrition option should be available to students who are interested in improving quality of life through health and wellness.
Thank you for your consideration of this request. If you require additional information, please contact me.

xc: Dr. Susan Hubbard
Dr. Sareen Gropper

210 Spidle Hall, Auburn, AL 36849-5601; Telephone: 334-844-3790; Fax: 334-844-3749
www.auburn.edu

NUTRITION (NTRI) - NUTRITION WELLNESS OPTION
PROPOSED SEMESTER CURRICULUM MODEL

FRESHMAN YEAR

Fall Semester			Spring Semester		
CHEM 1030	Fundamentals of Chemistry I	3	BIOL 1020	Principles of Biology	4
CHEM 1031	Fundamentals of Chemistry I Lab1	1	CHEM 1040	Fundamentals of Chemistry II	3
ENGL 1100	English Composition I	3	CHEM 1041	Fundamentals of Chemistry II Lab	1
HISTORY	History Core	3	ENGL 1120	English Composition II	3
MATH 1150	Pre-Calculus Algebra & Trigonometry	4		Core History* or Core Social Science	3
PSYC 2010	Introduction to Psychology	3	**NTRI 2000**	**Nutrition and Health**	**3**
		17			17

SOPHOMORE YEAR

Fall Semester			Spring Semester		
BIOL 2500	Human Anatomy and Physiology I	4	BIOL 2510	Human Anatomy and Physiology II	4
	Social Science Core	3	CHEM 2030	Survey of Organic Chemistry	3
LITERATURE	Core Literature	3		Core Literature* or Core Humanities	3
NTRI 2050	**Science of Food**	**4**	**CAHS 2000**	**Global Consumer Culture**	**3**
FINE ARTS	Fine Arts Core	3	**NTRI 2070**	**Introduction to Dietetics and Nutritio**	**1**
		17			14

JUNIOR YEAR

Fall Semester			Spring Semester		
BCHE 3180	**Nutritional Biochemistry**	**3**	KINE 1100/1103	Wellness	2
NTRI 3750	**Nutrition Education**	**2**	ENGL 3040	Technical Writing	3
NTRI 2010	**Basic Sports Nutrition**	**3**	STAT 2510	Stats. For Biol and Health Sciences	3
	Free Electives	2		Professional Electives[2]	2
PHIL 1030	Ethics and the Health Sciences	3	**NTRI 4820**	**Macronutrients**	**3**
			NTRI 4830	**Vitamins and Minerals**	**3**
		13			16

SENIOR YEAR

Fall Semester			Spring Semester		
HDFS 2000	**Marriage and Family in Global Context**	**3**	**NTRI 5100**	**Nutrition in Disease Prevention**	2
NTRI 4620	**Public Health Nutrition**	**3**		Professional Electives[2]	9
NTRI 5820	**Nutrition in the Life Cycle**	**3**		Free Electives	4
	Professional Electives[2]	6	UNIV4AA0	HS1 Undergraduate Graduation[1]	0
		15			15

Total: 123 Semester Hours

Literature options: ENGL 2200 and 2210 or 2230 and 2240 or 2250 and 2260
Humanities options: UNIV2710, FLGC 1150, COMM 1000, PHIL 1010, 1020, 1030, 1050, 1060, 1070, 1080, 1090, 1100
History options: HIST 1010 and 1020 or 1210 and 1220
Social Science options: ANTH 1000, GEOG 1010, POLI 1050, POLI 1090, SOCY 1000, UNIV 2710, UNIV 2720
Fine Arts options: ARCH 2600, ARTS 1710, 1720, 1730, MUSI 2730, RTVF 2350, THEA 2010

Note: Required major courses and College core courses are in **bold**. Grades in these courses are used to calculate the GPA in the major and to meet graduation standards.

[1]Seniors must register for UNIV4AA0HS1 the term they plan to graduate (non-credit class number for clearing graduation).
[2] Other Professional Electives as approved by the department head.

March 2012

Student

SID 90

E-mail @auburn.edu

Date of Entry

Advisor

CURRICULUM IN NUTRITION

Option: Wellness

Department of Nutrition, Dietetics and Hospitality Managment, College of Human Sciences, Auburn University, AL

UNIVERSITY CORE CURRICULUM	42	SEM.
ENGL 1100 English Composition I	3	
ENGL 1120 English Composition II	3	
Core Literature: _____	3	
Core Literature* or Humanities: _____	3	
Core History: _____	3	
Core History* or Social Science: _____	3	
MATH 1150 Pre-Calculus Algebra & Trigonometry	4	
PHIL 1030 Ethics and the Helath Sciences	3	
CHEM 1030 & CHEM 1031 Fund. Of Chemistry I	4	
CHEM 1040 & CHEM 1041 Fund. Of Chemistry II	4	
PSYC 2010 Introduction to Psychology	3	
Social Science Core: _____	3	
Core Fine Arts: _____	3	
REQUIRED HUMAN SCIENCES CORE	9	SEM.
CAHS 2000 Global Consumer Culture	**3**	
HDFS 2000 Marriage & Family in a Global Context	**3**	
NTRI 2000 Nutrition and Health	**3**	
REQUIRED SUPPORTING COURSES	23	SEM.
BIOL 1020 Principles of Biology	**4**	
KINE 1100 or 1103 Wellness	2	
BIOL 2500 Human Anatomy and Physiology I	4	
BIOL 2510 Human Anatomy and Physiology II	4	
CHEM 2030 Survey of Organic Chemistry	3	
ENGL 3040 Technical Writing	3	
STAT 2510 Stat. for Biological and Health Sciences	3	
Free Electives	6	SEM.

Required NTRI Major Core	27	
NTRI 2010 Basic Sports Nutrition	**3**	
NRTI 2050 Science of Food	**4**	
NTRI 2070 Intro. to Dietetics and Nutrition	**1**	
NTRI 3750 Nutrition Education	**2**	
BCHE 3180 Nutritional Biochemistry	**3**	
NTRI 4620 Public Health Nutrition	**3**	
NTRI 4820 Macronutrients	**3**	
NTRI 4830 Vitamins and Minerals	**3**	
NTRI 5100 Nutrition in Disease Prevention	**2**	
NTRI 5820 Nutrition in the Life Cycle	**3**	
UNIV 4AA0-hs1 Undergraduate Graduation[1]	0	
PROFESSIONAL ELECTIVES (choose 17 hours)[2]	17	
NTRI 3041	2	
NTRI 4410	3	
NTRI 5560	4	
HRMT 1010	2	
COMP 1000	2	
KINE 3400	3	
KINE 3680	4	
KINE 4450	3	
COMM 1000	3	
COMM 2010	3	
COMM 2410	3	
COMM 3100	3	
COMM 3110	3	
COMM 3450	3	
COMM 3500	3	
JRNL 1100	3	
JRNL 2210	3	
JRNL 3220	3	
HDFS 2010	3	

Courses from Business minor, Hunger minor, Joseph S. Bruno Auburn Abroad in Italy, PYSC, COUN, Foreign Lanuage, Undergraduate Research

124 Semester Hours

Literature options: ENGL 2200 and 2210 or 2230 and 2240 or 2250 and 2260
Humanities options: UNIV2710, FLGC 1150, COMM 1000, PHIL 1010, 1020, 1030, 1050, 1060, 1070, 1080, 1090, 1100
History options: HIST 1010 and 1020 or 1210 and 1220
Social Science options: ANTH 1000, GEOG 1010, POLI 1050, POLI 1090, SOCY 1000, UNIV 2710, UNIV 2720
Fine Arts options: ARCH 2600, ARTS 1710, 1720, 1730, MUSI 2730, RTVF 2350, THEA 2010

Note: Required major courses and College core courses are in **bold**. Grades in these courses are used to calculate the GPA in the major and to meet graduation standards.

All Human Sciences majors are required to have a laptop. Please refer to the CHS website for specifications.

Note: Students enrolled in the Honors Program may take equivalent honors courses.

*Must have a History sequence and at least one Literature course OR a Literature sequence and at least one History course.

[1]Seniors must register for UNIV 4AA0-HS1 the term they plan to graduate (non-credit class for clearing graduation).

[2] Other Professional Electives as approved by the Department Head may be taken.

March 2012

ACADEMIC AFFAIRS COMMITTEE

RESOLUTION

PROPOSED EXECUTIVE GRADUATE CERTIFICATE IN
CONSTRUCTION MANAGEMENT

WHEREAS, the McWhorter School of Building Science wishes to provide students with the opportunity to acquire knowledge and skills to excel in the field of Construction Management; and

WHEREAS, the establishment of an Executive Graduate Certificate Program in Construction Management would enable non-traditional students and professionals within the US Army Corps of Engineers to enhance their professional credentials; and

WHEREAS, such a certificate program would provide students and professionals with a program that emphasizes the technical and managerial skills required of effective construction managers; and

WHEREAS, such a certificate program would utilize existing courses within the MS in Construction Management program and would not require any additional resources or faculty; and

WHEREAS, the request to create this Executive Graduate Certificate has been endorsed by the Dean of the College of Architecture, Design and Construction, the Graduate Council, the Provost, and the President.

NOW, THEREFORE, BE IT RESOLVED by Auburn University's Board of Trustees that the proposed Executive Graduate Certificate in Construction Management from the College of Architecture, Design and Construction be approved, and forwarded to the Alabama Commission on Higher Education as an item of information.

AUBURN UNIVERSITY

OFFICE OF THE PROVOST
AND VICE PRESIDENT FOR
ACADEMIC AFFAIRS

August 20, 2012

MEMORANDUM TO: Jay Gogue
President

FROM: Timothy R. Boosinger
Provost and Vice President for Academic Affairs

SUBJECT: Agenda Item for the Board of Trustees –
Proposed Executive Graduate Certificate in Construction Management

I am writing to request that the following item be added to the Board of Trustees' agenda for the **September 21, 2012** meeting.

Proposal: It is recommended that the Board approve the proposed Executive Graduate Certificate in Construction Management from the McWhorter School of Building Science in the College of Architecture, Design, and Construction.

Review and Consultation: The faculty in the McWhorter School of Building Science initiated this 12-credit graduate certificate for non-traditional students and professional staff within the US Army Corps of Engineers (USACE) who possess a desire to strengthen their understanding of the laws, scheduling practices, cost estimation, risk management techniques, and contracting processes used in the construction industry. If approved, the McWhorter School of Building Science will become the only higher education institution within the United States that offers a customized graduate-level certificate to members of the US Corps of Engineers.

The proposed graduate certificate draws on two courses currently offered as part of the Master of Building Construction, and two new courses developed and approved for the USACE certificate program in summer 2012. These courses, delivered primarily via distance education, do not require any additional faculty or resources. The McWhorter School of Building Science anticipates the annual enrollment to be approximately 20-25 students annually. If approved, the Executive Graduate Certificate in Construction Management would be offered by the McWhorter School of Building Science beginning in spring 2013.

Recommendation: The proposed Executive Graduate Certificate would allow the McWhorter School of Building Science to offer a unique program of study to professional members of the US Army Corps of Engineers. The proposal was reviewed and approved by Auburn University's Graduate Council in Summer 2012, and has received the approval of both the College Architecture, Design, and Construction, and the Provost's Office. If approved, this proposed certificate would be forwarded to the Alabama Commission on Higher Education (ACHE) as an item of information.

208 Samford Hall, Auburn, AL 36849-5108; Telephone: 334-844-5771; Fax: 334-844-5778
www.auburn.edu

AUBURN UNIVERSITY

GRADUATE SCHOOL

August 13, 2012

TO: Timothy Boosinger
Provost and Vice-President for Academic Affairs

FROM: George Flowers
Dean of the Graduate School George T. Flowers

SUBJECT: Agenda Item for the Board of Trustees – Executive Graduate Certificate in Construction Management

I am writing to request that the following item be added to the Board of Trustees' agenda for their **September 21, 2012** meeting.

Proposal: The College of Architecture, Design, and Construction is proposing an Executive Graduate Certificate in Construction Management. If approved by the Offices of the Provost and the President, the proposed certificate would be forwarded to Auburn University's Board of Trustees for review and approval.

Review and Consultation: The proposed Executive Graduate Certificate in Construction Management is proposed to provide non-traditional students and practicing professionals access to the university's resources via a high-quality graduate/professional program in an area of need for both the state and region. This graduate certificate program would also expand upon the unit's existing offerings for the United State Army Corps of Engineers. The proposal was reviewed by Auburn University's Graduate Council, and received its approval in Summer 2012.

Recommendation: It is recommended that the proposed Executive Graduate Certificate in Construction Management be approved, and forwarded to Auburn University's Board of Trustees for review and approval.

106 Hargis Hall, Auburn, AL 36849-5122; Telephone: 334-844-4700; Fax: 334-844-4348

w w w . a u b u r n . e d u

AUBURN
UNIVERSITY

COLLEGE OF ARCHITECTURE,
DESIGN & CONSTRUCTION

OFFICE OF THE DEAN

MEMORANDUM

To: Dr. George Flowers
Dean of the Graduate School

FROM: Dr. Vini Nathan
Dean and McWhorter Chair, College of Architecture, Design and Construction

DATE: August 3, 2012

RE: Request for Executive Graduate Certificate in Construction Management

I support the request for the McWhorter School of Building Science to offer a custom Executive Graduate Certificate in Construction Management to the US Army Corps of Engineers (USACE) beginning Spring 2013. The infrastructure and two of the courses for this program are already in place with the existing custom executive Master of Building Construction/ USACE. Two new courses will be developed for the program at the request of the USACE.

This program is consistent with the Auburn University mission in that it will provide non-traditional students access to the university's resources and provide a high quality graduate/professional program in an area of need to the state and the region, and will allow the College of Architecture, Design and Construction to enhance and expand its graduate programs. It is also a source of pride that the McWhorter School of Building Science is the only school in the United States that currently provides custom programs in graduate education to the US Army Corps of Engineers.

We therefore respectfully request approval of the Executive Graduate Certificate in Construction Management. Thank you in advance for your consideration of this program.

202 DUDLEY COMMONS
AUBURN, AL 36849-5313

TELEPHONE:
334-844-4524

FAX:
334-844-2735

www.auburn.edu
www.cadc.auburn.edu

AUBURN
UNIVERSITY

COLLEGE OF ARCHITECTURE,
DESIGN & CONSTRUCTION
MCWHORTER SCHOOL OF BUILDING SCIENCE

MEMORANDUM

Date: August 3, 2012

To: Vini Nathan, Dean of the College of Architecture, Design and Construction

Through: Richard Burt, Head, McWhorter School of Building Science
Steve Williams for Richard Burt

From: Anoop Sattineni, GPO Executive Master of Building Construction/ US Army Corps of Engineers (USACE)

Re: Request for Executive Graduate Certificate in Construction Management

The Graduate Faculty of the McWhorter School of Building Science request approval to offer an Executive Graduate Certificate in Construction Management. This is a custom program which has been requested by the US Army Corps of Engineers (USACE) for delivery to its professional staff. The infrastructure for this program is already in place in support of the custom executive Master in Building Construction/ USACE. This program will enable the professional staff of the United States Army Corps of Engineers to develop increased competency in construction related fields. The program will be offered using a hybrid, executive format, which supplements distance learning with brief residencies on campus.

This program is consistent with the Auburn University mission in that it will provide non-traditional students access to the university's resources and provide a high quality graduate/professional program in an area of need to the state and the region, and will allow the College of Architecture, Design and Construction to enhance and expand its graduate programs. It is also a source of pride that the McWhorter School of Building Science is the only school in the United States that currently provides custom programs in graduate education to the US Army Corps of Engineers.

We therefore respectfully request approval of the Executive Graduate Certificate in Construction Management. Thank you in advance for your consideration of this program.

118 M. MILLER GORRIE CENTER
AUBURN, AL 36849-5315

TELEPHONE:
334-844-4518

FAX:
334-844-5386

www.cadc.auburn.edu/bsci
www.auburn.edu

Graduate Certificate Program

Certificate title:	*Executive Graduate Certificate in Construction Management*
Offering unit:	*McWhorter School of Building Science/ College of Architecture, Design and Construction*
Credit hours in certificate:	*12 c.h.*
On-campus approval:	*Summer 2012 (Graduate)*
Board of Trustees approval:	
ACHE notification:	
Effective term:	*Spring 2013*
Program outline:	**Required courses**

*BSCI 7106**	*Construction Cost Estimating (3 c.h., existing course)*
*BSCI 7106**	*Construction Management and Scheduling (3 c.h., existing course)*
BSCI 7116	*Construction Contracting Business (3 c.h., new course)*
BSCI 7126	*Construction Law and Risk Management (3 c.h., new course)*

Program-specific courses:	*N.A.*
Related programs:	*Master of Building Construction, custom executive Master of Building Construction/ US Army Corps of Engineers*
Additional information:	*This certificate program draws on existing courses that are offered as part of the MBC and the custom, executive MBC/US Army Corps of Engineers. Two new courses have, however, been developed for the certificate program at the request of the Army Corps of Engineers. These new courses will be incorporated as electives into the existing custom, executive MBC/ US Army Corps of Engineers*

* These two existing courses (which form part of a fixed series of variable topic courses that are offered as part of the MBC and the custom executive MBC/ US Army Corps of Engineers) have the same number (BSCI 7106), but are distinguished each semester according to content, title and a specifically assigned course section number.

AUBURN UNIVERSITY

Date: 07/05/2012 *(MM/DD/YYYY)*

Request To Add / Change A Graduate Certificate

1. Proposing College / School: College of Architecture, Design, and Construction

Department: McWhorter School of BSCI **2. Proposed Implementation Date:** Spring 2013

Department Coordinating Certificate (if not Originating Department):

3. Proposed Certificate Title: Executive Graduate Certificate in Construction Management

4. Designated Certificate Coordinator: Anoop Sattineni, Assoc. Prof & MBC GPO

5. Credit Hours in Certificate: 12

(Graduate Certificates must, by definition, consist of at least 9 to 21 semester hours. A minimum GPA of 3.0 must be maintained for all graded coursework in the certificate program.)

6. Courses Required for Certificate Program:

*(Include course prefix, course number, title, credit hours, and prerequisites, where applicable. For changes to existing certificate programs, **clearly** indicate the courses that are to be added and/or removed, with the same information (i.e.: title, credit hours, etc.)*

BSCI 7106 - Graduate Elective in Project Management: Construction Cost Estimating (3 Credits, Existing Course)
BSCI 7106 - Graduate Elective in Project Management: Construction Project Management and Scheduling (3 Credits, Existing Course)
BSCI 7116 - Construction Contracts and Documents (3 Credits, New Course)
BSCI 7126 - Construction Law and Risk Management (3 Credits, New Course)

7. Elective Courses Eligible for Certificate Credit:

*(Include course prefix, course number, title, credit hours, and prerequisites, where applicable. For changes to existing certificate programs, **clearly** indicate the courses that are to be added and/or removed, with the same information (i.e.: title, credit hours, etc.)*

No electives will be offered as part of this certificate program.

8. Curriculum Model for Certificate Program *(if applicable)*:

N-A

9. Justification:

(Include a concise, yet adequate rationale for the addition/revision of the certificate program, citing accreditation, assessments (faculty, graduate, and/or external) where applicable.)

This executive format graduate certificate program has been specifically requested by the US Army Corps of Engineers. The students who will participate in the program are members of the professional staff of the Army Corps who work in areas related to building construction and and construction management (accounting specialists, etc.).

10. Relationship of Proposed Program to Other Auburn University Programs:

(If "yes" for either item, please provide explanation in the space provided below.)

Will the program support or be supported by other program(s) at Auburn University? (•) Yes ( ) No

Will this program replace any existing program(s), or specializations / options / concentrations within existing program(s) at Auburn University? ( ) Yes (•) No

11. New or Additional Resources / Resource Shifting Required:

(If "yes" for any item, please provide explanation in the space provided below.)

Will additional faculty lines be required? ( ) Yes (•) No

Will new or additional space (e.g.: laboratory or classroom) be required? ( ) Yes (•) No

Will additional library resources be required? ( ) Yes (•) No

Will additional GTA support be required? (•) Yes ( ) No

Explanation of or provision for new or additional resources / explanation of program's support or replacement of other programs:

Two of the four courses in this program are currently offered as part of the existing Executive Master of Building Construction program that was developed for the US Army Corps of Engineers. The other two courses will be developed specifically for this graduate certificate program. The program will generate the resources necessary to be completely self-sufficient.

12. Distance Education:

(If Distance Education will be incorporated in the delivery of the proposed program, provide details of implentation, scope, etc.)

The program will be offered to the professional staff of the US Army Corps of Engineers using an executive format. Course content and material will be delivered using a distance format. Students will also attend a brief residency on campus for 5 days at the beginning of the semester in order to meet and interact with AU faculty and staff, to learn the technical skills necessary to fully and successfully participate in a distance learning experience, and to initiate coursework under the supervision of the program faculty.

13. Expected Program Outcomes and Assessment Methods:

(Include a comprehensive description of the program's student learning outcomes, as well as a description of the assessment plan to be implemented for determination of the extent to which those outcomes are being achieved; explain how the results of that assessment will inform the revision process for the program, where necessary)

Graduates will:
1. Be able to estimate the cost of construction work through the application of several advanced methods.
2. Be able to schedule complex construction activities.
3. Be able to manage and administer construction contracts and documents.
4. Have a working knowledge of the law with respect to construction and related activities.
5. Understand risk management as it pertains to construction business processes.

Assessment:
1. The grade point average of graduates will be used to assess the effectiveness of the program.
2. Feedback from students obtained through exit surveys will be collected and analyzed.
3. A standing faculty committee will assess the quality of the graduates by taking into account the data collected through GPAs and the exit survey. The committee will make recommendations with regard to the curriculum at the end of each cycle of the certificate.

Approvals

Steve Williams for Richard Burt

Department Chair / Head — Date: 09.07.2012

College / School Curriculum Committee — Date: 7/10/12

College / School Dean — Date: 9 July 2012

George Crandell for George Crandell

Dean of the Graduate School (*for Graduate Courses*) — Date: 7/24/12

Assoc. Provost for Undergraduate Studies (*for Undergraduate Courses*) — Date:

Contact Person: Telephone:

E-Mail Address: Fax:

ACADEMIC AFFAIRS COMMITTEE

RESOLUTION

PROPOSED MASTER OF SCIENCE/MASTER OF AGRICULTURE IN SOIL, WATER, AND ENVIRONMENTAL SCIENCE

WHEREAS, the College of Agriculture seeks to create a new graduate degree program leading to either the Master of Science in Soil, Water, and Environmental Science or the Master of Agriculture in Soil, Water, and Environmental Science; and

WHEREAS, the College of Agriculture is a member of the Ag*IDEA Consortium, a national consortium of universities offering programs and courses in agricultural disciplines by means of distance learning; and

WHEREAS, students and professionals enrolled in the program would complete approved graduate courses from participating consortium institutions; and

WHEREAS, the proposed degree program would offer a unique plan of study to students and professionals interested in pursuing a graduate education in soil, water, and environmental science; and

WHEREAS, the proposed degree option would not require any additional resources, faculty, or space; and

WHEREAS, the request to create this degree has been endorsed by the Dean of the College of Agriculture, the Graduate Council, the Provost, and the President.

NOW, THEREFORE, BE IT RESOLVED by Auburn University's Board of Trustees that the proposed Master of Science/Master of Agriculture in Soil, Water, and Environmental Science be approved and forwarded to the Alabama Commission on Higher Education (ACHE) for review and approval.

AUBURN UNIVERSITY

OFFICE OF THE PROVOST
AND VICE PRESIDENT FOR
ACADEMIC AFFAIRS

August 20, 2012

MEMORANDUM TO: Jay Gogue
President

FROM: Timothy R. Boosinger
Provost and Vice President for Academic Affairs

SUBJECT: Agenda Item for the Board of Trustees –
Proposed MS/MAg in Soil, Water, and Environmental Science

I am writing to request that the following item be added to the Board of Trustees' agenda for the **September 21, 2012** meeting.

Proposal: The College of Agriculture is proposing a new graduate degree program leading to the Masters of Science (thesis option) or the Masters in Agriculture (non-thesis option) in Soil, Water, and Environmental Science.

Review and Consultation: Faculty in the Department of Agronomy and Soils initiated this proposal to provide a new degree program for students and professionals seeking graduate education in the fields of soil, water, and environmental science. The College of Agriculture is a member of the Ag*IDEA Consortium, a national consortium of universities offering programs and courses in agriculture disciplines. The proposed degree will be offered collaboratively, exclusively via distance, with other consortium institutions, including Clemson University, the University of Georgia, North Carolina State University, and Texas Tech University.

The program targets both graduate students and practicing professionals from diverse fields interested in enhancing their knowledge as it relates to environmental and resource use and management problems. Students enrolled in the program will complete 36 hours of required coursework from graduate faculty at Auburn University and the participating institutions. If approved, the proposed Master's program would provide a unique plan of study that carefully examines environmental issues related to soil management, water quality, and environmental quality. Following completion of the necessary approval processes, the College of Agriculture would begin offering the proposed degree in Spring 2013.

Recommendation: It is recommended that the Board approve the proposed MS/MAg in Soil, Water, and Environmental Science with the College of Agriculture. The proposed degree program was reviewed and approved by Auburn University's Graduate Council in Summer 2012, and has been approved by the College of Agriculture and the Provost's Office. If approved by the Auburn University Board of Trustees, the proposed option will be forwarded to the Alabama Commission on Higher Education (ACHE) for review and approval.

208 Samford Hall, Auburn, AL 36849-5108; Telephone: 334-844-5771; Fax: 334-844-5778
www.auburn.edu

AUBURN UNIVERSITY

GRADUATE SCHOOL

August 13, 2012

TO: Timothy Boosinger
Provost and Vice-President for Academic Affairs

FROM: George Flowers
Dean of the Graduate School George T. Flowers

SUBJECT: Agenda Item for the Board of Trustees – Proposed MAg/MS in Soil, Water, and Environmental Science

I am writing to request that the following item be added to the Board of Trustees' agenda for their **September 21, 2012** meeting.

Proposal: The College of Agriculture is proposing an MAg/MS in Soil, Water, and Environmental Science (*in CIP 01.1199*). If approved by the Offices of the Provost and the President, the proposed degree program would be forwarded to Auburn University's Board of Trustees for review and approval.

Review and Consultation: The proposed MAg/MS in Soil, Water, and Environmental Science is proposed as part of Auburn University's participation in the Ag*IDEA consortium, which includes the following regional institutions: Clemson University, the University of Georgia, North Carolina State University, and Texas Tech University. The program targets practicing professionals in a variety of fields, including agronomy, landscape architecture, civil engineering, city planning, and real estate development, among others. The proposal was reviewed by Auburn University's Graduate Council, and received its approval in Summer 2012.

Recommendation: It is recommended that the proposed MAg/MS in Soil, Water, and Environmental Science be approved, and forwarded to Auburn University's Board of Trustees for review and approval.

106 Hargis Hall, Auburn, AL 36849-5122; Telephone: 334-844-4700; Fax: 334-844-4348

www.auburn.edu

OFFICE OF
THE DEAN

AUBURN UNIVERSITY
COLLEGE OF AGRICULTURE

To: George Flowers, Dean
Graduate School

From: William D. Batchelor, Dean

Date: August 9, 2012

Subject: M.S./M.Ag. Soil, Water, and Environmental Science

The faculty of the Department of Agronomy and Soils has proposed a new master's degree program in Soil, Water, and Environmental Science to be offered as a Master of Science (thesis option) and Master of Agriculture (non-thesis option). This program is part of our participation in the Ag*IDEA consortium. As such, this online degree program will be taught as a collaborative effort between Auburn University, Clemson University, University of Georgia, North Carolina State University, and Texas Tech University. Students enrolling in the Auburn degree program will take courses from Auburn University and these other institutions by distance education.

This degree program is expected to appeal to a broad group of professionals seeking graduate education in soil, water, and environmental science through distance education. These professionals could include agronomists, landscape architects, civil engineers, city planners, real estate professionals, and urban planners, among others.

The faculty in the Department of Agronomy and Soils has approved this proposal, as has the College of Agriculture curriculum committee. Great efforts have been undertaken to assure that the credentials of faculty members from other universities teaching courses through the consortium to Auburn students are reviewed by our faculty. Indeed, the Department of Agronomy and Soils has sought affiliate faculty status and graduate faculty status for these faculty members at other institutions participating in this consortium program. Please find attached the supporting documents.

107 Comer Hall, Auburn, AL 36849-5401; Telephone: 334-844-2345; Fax: 334-844-2937
www.auburn.edu

AGRONOMY
AND SOILS

AUBURN UNIVERSITY
COLLEGE OF AGRICULTURE

To: **William D. Batchelor, Dean**
College of Agriculture
From: **Joseph Touchton, Head**
Date: **August 9, 2012**
Subject: **M.S./M.Ag. Soil, Water, and Environmental Science**

The Department of Agronomy and Soils and its faculty have proposed a new master's degree program in Soil, Water, and Environmental Science to be offered as a Master of Science (thesis option) and Master of Agriculture (non-thesis option). This program is the part of the College of Agriculture's participation in the Ag*IDEA consortium. As such, this online degree program will be taught as a collaborative effort between several institutions, including Auburn University, Clemson University, University of Georgia, North Carolina State University, and Texas Tech University. Students enrolling in the Auburn degree program will take courses from Auburn University and these other institutions by distance education.

This degree program is expected to appeal to a broad group of professionals seeking graduate education in soil, water, and environmental science through distance education. These professionals could include agronomists, landscape architects, civil engineers, city planners, real estate professionals, and urban planners, among others.

The faculty in the Department of Agronomy and Soils has approved this proposal, as has the College of Agriculture curriculum committee. A rigorous process and great effort have been undertaken to assure that the credentials of faculty members from other universities teaching courses through the consortium to Auburn students are reviewed by our faculty. In addition, the Department of Agronomy and Soils has sought affiliate faculty status and graduate faculty status for these faculty members at other institutions participating in this consortium program. Please find attached the supporting documents.

201 Funchess Hall, Auburn, AL 36849-5412; Telephone: 334-844-4100; Fax: 334-844-3945
www.auburn.edu

Current Schedule of Core/Required Courses

Semester	Core/Required	Available Courses
Fall 2011	Soil Physics	UGA, NCSU, AU (4 cr.)
	Soil Chemistry	AU (4 cr.)
	Pedology	NCSU
	Hydrology	NCSU (3 cr.), NCSU (2 cr)
	Statistical Methods	CU
	Seminar	NCSU
Spring 2012	Soil Physics	TTU
	Soil Microbiology (4 cr.)	NCSU, AU
	Pedology	NCSU
	Hydrology	NCSU (3 cr.)
	Statistical Methods	CU
	Seminar	NCSU
Fall 2012	Soil Physics	UGA, NCSU, AU (4 cr.)
	Soil Chemistry	AU (4 cr.), CU
	Pedology	(NCSU)
	Hydrology	NCSU (3 cr.), NCSU (2 cr.)
	Statistical Methods	CU
	Seminar	NCSU
Spring 2013	Soil Physics	TTU
	Soil Chemistry	TTU
	Soil Microbiology (4 cr.)	NCSU, AU
	Pedology	NCSU
	Hydrology	NCSU (3 cr.)
	Statistical Methods	CU
	Seminar	NCSU
Fall 2013	Soil Physics	UGA, NCSU, AU (4 cr.)
	Soil Chemistry	AU (4 cr.)
	Pedology	NCSU
	Hydrology	NCSU (3 cr.), NCSU (2 cr)
	Statistical Methods	CU
	Seminar	NCSU
Spring 2014	Soil Physics	TTU
	Soil Microbiology (4 cr.)	NCSU, AU
	Pedology	NCSU
	Hydrology	NCSU (3 cr.)
	Statistical Methods	CU
	Seminar	NCSU
Fall 2014	Soil Physics	UGA, NCSU, AU (4 cr.)
	Soil Chemistry	AU (4 cr., CU
	Pedology	NCSU
	Hydrology	NCSU (3 cr.), NCSU (2 cr.)

	Statistical Methods	CU
	Seminar	NCSU

Current Schedule of Elective Courses

Semester	Electives	Available Courses
Fall 2011	Bioenergy and Environment	AU
	Plant Nutrient Mgmt	TTU
	Soil Resources and Conservation (4 cr.)	AU
	Soil Fertility	NCSU
	Wetland Soils	NCSU
	Biomass to Renewable Energy Proc.	NCSU
	Agricultural Waste Mgmt	NCSU
	Soils and Crops in Arid Lands	TTU
	Open Channel Hydraulics for Natural Systems	NCSU
	Watershed Monitoring and Assessment	NCSU
	Integrating AutoCAD Civil3D & GIS (1 cr.)	NCSU
	GIS in Hydrologic & Water Quality Monitoring (1 cr.)	NCSU
Spring 2012	Plant Water Relations	TTU
	Environmental Soil Science	TTU
	Soil Erosion and Conservation	UGA
	Soil Fertility	NCSU
	Environmental Appl. of Soil Science	NCSU
	Wetland Soils	NCSU
	Ecohydraulics & River Corridor Function	NCSU
	Pesticides	TTU
	Instrumentation for Hydrologic Appl.	NCSU
	Precision Ag Technology	NCSU
	GIS Application in Prec. Ag. (1cr.)	NCSU
	Stream Channel Assessment and Restoration	NCSU
	Risk and Failure Assessment of Stream Structures(1cr)	NCSU
	Wetlands Engineering	NCSU
Summer 2012	Soil Fertility	NCSU
	Nutrient Management	AU
	Soils and Environmental Quality	AU
	Experimental Methods	AU
Fall 2012	Bioenergy and Environment	AU
	Soil Resources and Conservation (4 cr.)	AU
	Plant Nutrient Mgmt	TTU
	Soil Fertility	NCSU
	Wetland Soils	NCSU
	Biomass to Renewable Energy Proc.	NCSU
	Agricultural Waste Mgmt	NCSU
	Inter. Agronomic Development (2 cr.)	TTU

	Watershed Monitoring and Assessment	NCSU
	GIS in Hydrologic & Water Quality Monitoring (1 cr.)	NCSU
Spring 2013	Soil Erosion and Conservation	UGA
	Soil Fertility	NCSU
	Environmental Appl. of Soil Science	NCSU
	Wetland Soils	NCSU
	Design of Stormwater BMPs	NCSU
	Ecohydraulics & River Corridor Function	NCSU
	Pesticides	TTU
	Applied Geostatistics (2 cr.)	TTU
	Quantitative Agric. Remote Sensing	TTU
	Instrumentation for Hydrologic Appl.	NCSU
	Design of Structural Stormwater BMPs	NCSU
	Precision Ag Technology	NCSU
	GIS Application in Prec. Ag. (1cr.)	NCSU
	Stream Channel Assessment and Restoration	NCSU
	Risk and Failure Assessment of Stream Structures(1cr)	NCSU
Summer 2013	Soil Fertility	NCSU
	Nutrient Management	AU
	Soils and Environmental Quality	AU
	Experimental Methods	AU
Fall 2013	Bioenergy and Environment	AU
	Soil Resources and Conservation (4 cr.)	AU
	Plant Nutrient Mgmt	TTU
	Soil Fertility	NCSU
	Wetland Soils	NCSU
	Biomass to Renewable Energy Proc.	NCSU
	Agricultural Waste Mgmt	NCSU
	Soils and Crops in Arid Lands	TTU
	Open Channel Hydraulics for Natural Systems	NCSU
	Watershed Monitoring and Assessment	NCSU
	Integrating AutoCAD Civil3D & GIS (1 cr.)	NCSU
	GIS in Hydrologic & Water Quality Monitoring (1 cr.)	NCSU

AUBURN UNIVERSITY

Date: 08/31/2010 *(MM/DD/YYYY)*

Proposal Of A New Undergraduate Or Graduate Program

This document should not exceed 3-5 pages in length.

1. Proposing College / School: Agriculture

Department: Agronomy and Soils

2. Proposed Program Title: MS/MAg Degree Program in Soil, Water and Environmental Sciences

3. CIP Code of Proposed Program: 01.1199

4. Proposed Implementation Date: Fall 2011

5. Relationship of Proposed Program to the Auburn University Mission Statement and Strategic Plan:

*(Auburn University's **mission statement** may be accessed at the following site: http://www.auburn.edu/administration/trustees/policymanual/vision_and_mission.html; Auburn University's **strategic plan** may be accessed at the following site: http://ocm.auburn.edu/strategic_plan/.)*

The program supports the mission of providing "broad access to the University provided through the innovative use of information technology" in order to provide "quality graduate educational programs." It addresses the Strategic Plan by increasing graduate student enrollment and providing new income streams.

6. Expected Program Outcomes and Assessment Methods:

(Expected outcomes must be stated clearly and must include student learning outcomes and an assessment plan for ascertaining the extent to which the expected outcomes are achieved and for designing improvements based on analysis of assessment results.)

Learning Outcome 1 – demonstrate proficiency in scientific principles of soil, water, and environmental sciences and illustrate their interrelatedness (Knowledge).
Learning Outcome 2 – apply basic technical principles of soil, water, and environmental science to management of ecosystems (Skills).
Learning Outcome 3 – communicate clearly in oral and written formats (Communication)
Learning Outcome 4 – define problems, retrieve and synthesize information, and propose and evaluate potential solutions to environmental issues (Application).
Learning Outcome 5 – appreciate transdisciplinary research and collaboration in soil, water, and environmental science (Professionalism).
The assessment methods include written and oral exams, defense of thesis or research project, course grades, self-assessment survey, oral presentations, manuscripts published, etc. The student must also pass a professional soil science exam. (see detailed plan).

7. Degree Requirements (Including All Formal Options):

(For programs at the undergraduate level, please provide a curriculum model for the program as well as for each formal option.)

The proposed curriculum for the Master's degree (36 credit hours) includes 12 to 15 credit hour general core courses (biology, chemistry, physics, hydrology, and pedology), with the remaining 21 to 24 credit hours in electives. A seminar course (1 credit hour) and one course in statistics (3 credit hours) are also required. Auburn University students must choose between a Master of Agriculture (MAg) non-thesis degree, or a Master of Science (MS) degree. MAg students must enroll in AGRN 6936 (Adv. Directed Study in Agronomy & Soils) and present and defend a technical report. MS students must enroll in AGRN 7996, carry out original research, present literature review and results seminars and present and defend a thesis. Students enrolled in the Soil, Water and Environmental Sciences Program must also pass the certified professional soil science exam and demonstrate an active role in relevant professional societies.

8. Specific Admission and/or Continuation Requirements:

Students must meet the Master's program entrance requirements of the admitting university, in this case, that of Auburn

University Department of Agronomy and Soils. To be admitted to the program students should be admitted to the Graduate School, have a B.S. degree in Agronomy or related area, a 3.0 GPA for the last 90 semester hours and a GRE score of at least 900. Students must have had or must take Calculus I, Physics, Organic Chemistry, Fundamental Chemistry II, Analytical Chemistry and Plant Physiology, which do not count towards the Master's degree. Students who do not have a background in Agronomy may be required by their graduate committee to take Basic Soil Science and other foundational courses that do not count towards the degree but are needed as basic knowledge for the discipline.

9. Existing Courses and New Courses Required:

See attached document

10. Relationship of Proposed Program to Other Auburn University Programs:

(If "yes" for either item, please provide explanation in the space provided below.)

Will the program support or be supported by other program(s) at Auburn University? (•) Yes ( ) No

Will this program replace any existing program(s), or specializations / options / concentrations within existing program(s) at Auburn University? ( ) Yes (•) No

11. New or Additional Resources / Resource Shifting Required:

(If "yes" for any item, please provide explanation in the space provided below.)

Will additional faculty lines be required? ( ) Yes (•) No

Will new or additional space (e.g.: laboratory or classroom) be required? ( ) Yes (•) No

Will additional library resources be required? ( ) Yes (•) No

Will additional GTA support be required? ( ) Yes (•) No

Explanation of or provision for new or additional resources / explanation of program's support or replacement of other programs:

This program will support the new Distance Education Graduate Degree Program in Agronomy and Soils by expanding the market and boosting enrollment in these courses with Ag*IDEA students enrolled at other universities. The same courses will serve both programs. It will also expand the number of courses available to Auburn students by giving them access to courses not available at Auburn.
It is possible that additional enrollment of distance education students due to the program will generate a need for additional GTA's to assist in grading lab reports, etc. However, the program will generate revenues that may be used to pay for GTA's. This will provide opportunities for existing graduate students to teach.

12. Potential Duplication of Other Programs in the State:

(If the program would overlap with or duplicate a similar offering at another institution in the state, articulate the program's necessity and/or any differences from similar programs.)

The only distance education graduate degree program being offered in Alabama that is similar to this program is the newly approved Distance Education Graduate Degree Program in Agronomy and Soils, being offered by this department. The Ag*IDEA Soil, Water and Environmental Sciences Program will complement the Agronomy and Soils Program by increasing enrollment in our courses. It also provides an opportunity for Alabama students to enroll in courses offered at other universities that are not taught at Auburn University. Thus the Ag*IDEA Soil, Water and Environmental Sciences Program provides more choices to Auburn University students and residents of Alabama.

13. Collaboration With Other Institutions:

(Indicate whether or not the proposed program will -- either immediately or in the future -- involve collaboration with other post-secondary institutions. If so, provide all relevant details.)

This program will be jointly offered in collaboration with North Carolina State University, the University of Georgia, the University of Kentucky, Ohio State University, Texas Tech University and Clemson University. The Agriculture Interactive Distance Education Alliance (Ag*IDEA) is a national consortium of land grant universities offering programs and courses in agriculture disciplines. Alliance leadership is vested in a Board of Directors, and Alliance management is coordinated by a lead institution chosen by the board, currently Kansas State University. A student may enroll in the program through any participating university and take any of the courses offered by the program as if the course was offered at the university in which he/she is enrolled. The degree will be provided by the university in which the student is enrolled. Tuition and revenue sharing policies have already been worked out by Ag*IDEA. Policies and procedures for management and oversight of the program have been put in place by Ag*IDEA.

14. Distance Education:

(If Distance Education will be incorporated in the delivery of the proposed program, provide details of implentation, scope, etc.)

All courses will be internet based and most can be completed remotely. A few courses offered at Auburn University require brief visits to campus or another location for hands-on experiences.

15. Documented Need for Proposed Program:

(Elaborate upon the methodology used to appropriately assess regional, state, or national need and/or student demand for program.)

Surveys were conducted by North Carolina State University and by Auburn University to determine need for Master's degree programs by distance education in soil science and related areas, and both surveys demonstrated interest in such programs. The Soil and Water Science Department at the University of Florida has doubled its graduate student enrollment by offering Masters and Ph.D. degrees by distance education.

16. Employment Opportunities:

(Provide specific examples of employment opportunities anticipated for graduates of the proposed program.)

The program targets working professionals with a first degree who seek additional skills in order to achieve better job performance and to advance their careers. Graduates may work in agricultural extension through state extension services, agencies in the US Department of Agriculture, and as technical advisors and representatives of agribusiness and environmental firms. Additional career opportunities include professional soil classifiers, environmental specialists, septic system inspectors, golf course managers, research technicians and agribusiness entrepreneurs.

Approvals

Department Chair / Head	7/26/11 Date
College / School Curriculum Committee	7/27/11 Date
College / School Dean	7/27/11 Date
Dean of the Graduate School *(for Graduate Programs)*	Date
Assoc. Provost for Undergraduate Studies *(for Undergraduate Programs*	Date

Contact Person:	Dennis Shannon	**Telephone:**	844-3963
E-Mail Address:	shannda@auburn.edu	**Fax:**	844-3945

AG*IDEA
Business Plan
Graduate Degree and Certificate in Soil, Water, and Environmental Sciences

Executive Summary

Faculty from collaborating universities propose to establish interdisciplinary graduate (Masters) degree and certificate programs in soil, water, and environmental sciences (SWES) by distance education. The graduate degree program will be comprised of required core courses in biology, chemistry, physics, hydrology, and pedology, in addition to electives that provide flexibility to tailor the degree program to meet individual interest and career needs. The graduate certificate will also be comprised of selected courses to meet student needs. Graduate certificates are increasingly recognized as an important avenue for professional development, although the coursework is less extensive than a master's degree program. The certificate can be linked to specific degree programs, or freestanding. In the case of freestanding graduate certificates, the certificate is pursued for its own merit and the students may be admitted as non-degree students.

Program Directory

Executive Committee

Chair:	John Havlin, NC State University
Members:	David Radcliffe, University of Georgia
	Wes Wood, Auburn University
	Dennis Shannon, Auburn University
	Thomas Thompson, Texas Tech University
	Mark Coyne, University of Kentucky
	Ed McCoy and Jerry Bigham, Ohio State University
	Yuji Arai, Clemson University
Administrative Liaison:	Michael Mullen, University of Kentucky

Program Need / Target Population

Over the next several decades increasing demand for new professionals in SWES, as well as continuing education for practicing professionals, will require enhanced access to higher education and professional development opportunities. The target audience for the graduate distance education programs in SWES primarily includes professionals employed in industry, consultants, educators, and public service professionals. A national audience is targeted with an international audience also being a possibility.

Developing a comprehensive degree and certificate programs through DE would serve a rapidly growing demand for graduate education related to SWES professions. Several academic departments in the land grant university system offer *non-thesis* Master of Science (M.S.) degrees that require students to complete coursework, but do not require students to conduct a traditional research project. Enrollment in non-thesis M.S. programs is generally low because most people interested in these programs are practicing professionals and are unable to simultaneously accommodate career, family, and on-campus academic responsibilities in the normal 18 to 24 month schedule with a traditional M.S. degree. An internet-based distance learning program leading to a non-thesis degree or certificate would serve this growing demand.

A survey was conducted in August 2005 by NC State University Distance Education and Learning Technology Applications (DELTA) to assess potential interest in the proposed Masters of Soil Science non-thesis degree program by practicing professionals in NC associated with USDA-NRCS, NCSU Cooperative Extension, and members of the NC Soil Science Society. Of nearly 500 surveys distributed, 122 were returned. The responses were overwhelming, where 87% of respondents indicated they would benefit professionally by completion of an advanced degree, and 97% indicated that distance learning would be a viable alternative to traditional on-campus degree programs.

Despite industry need or demand, colleges and universities have difficulty reallocating existing or identifying new resources to hire the critical mass of faculty needed to offer high-quality academic programs in emerging fields. By partnering, colleges and universities can implement collaborative, interdisciplinary distance education programs to meet the diverse demand for postsecondary education in SWES. The proposed graduate degree and certificate programs will create a unique opportunity for industry personnel, extension educators, and other professionals to enhance professional skills and expertise essential to protecting the quality of our natural resources while sustaining economic opportunities. The program builds human capacity and knowledge in agriculture and the environment essential to sustaining healthy communities and the nation.

The collaborative, multi-university program will assure quality of education in SWES because students will have access to the highest quality institutions and faculty throughout the U.S. and the breadth and depth of courses will be significantly greater through a cooperative DE degree and certificate programs.

The Academic Program

The M.S. degree and graduate certificate programs in SWES will provide an opportunity for students and practicing professionals to enhance knowledge and skills applied to numerous related professions. For those students without prerequisite background courses, undergraduate classes are also available through the SWES participating institutions. Proposed start date is August, 2011.

M.S. degree program:

Students must meet the Master's program entrance requirements of the admitting university. Typically this requires a minimum of at least a 3.0 undergraduate grade point average (or 3.0 on the last 60 hours of coursework in the undergraduate degree). The GRE or GMAT may be required by some participating institutions.

The proposed curriculum for the Master's degree (36 credit hours) includes 12 to 15 credit hour general core courses (biology, chemistry, physics, hydrology, and pedology), with the remaining 21 to 24 credit hours in electives. A seminar course (1 credit hour) and one course in statistics (3 credit hours) are also required. With agreement by the student and the enrolling institution, a student my elect to conduct a research project and complete a thesis defense.

Currently, course syllabi are being compiled for submission to curriculum committees for approval at participating institutions. Brief course descriptions for all proposed courses are provided below.

Core Courses (12-15 credits)

Soil physics	3 credits
Soil chemistry	3 credits
Soil biology	3 credits
Pedology	3 credits
Hydrology	3 credits

Electives (21-24 credits)
Courses in resource management, technology/analytics, and policy/law.

Graduate Certificate program:
Students must hold a B.S. or B.A. degree and meet prerequisites for any approved course in the program. The proposed curriculum for a SWES Certificate includes 15 credit hours in any combination of courses pertinent to the professional interest and goals of the student.

Learning Goals and Assessment

Student Learning Outcomes
After completion of this degree program students will be able to:

Learning Outcome 1 – demonstrate proficiency in scientific principles of soil, water, and environmental sciences and illustrate their interrelatedness (Knowledge).

Learning Outcome 2 – apply basic technical principles of soil, water, and environmental science to management of ecosystems (Skills).

Learning Outcome 3 – communicate clearly in oral and written formats (Communication)

Learning Outcome 4 – define problems, retrieve and synthesize information, and propose and evaluate potential solutions to environmental issues (Application).

Learning Outcome 5 – appreciate transdisciplinary research and collaboration in soil, water, and environmental science (Professionalism).

Learning Assessment Plan

Learning Outcomes	General Measures	Direct Measures	Indirect Measures
1. Knowledge	Course grades and evaluations. Written and oral exams for thesis defense, oral exam for non-thesis students	Cumulative GPA > 3.0 Completion and successful defense of a thesis or research project	Self-assessment survey (Table 1) Employment involving original and independent teaching, research, or extension

2. Skills	Course grades and evaluation in laboratory courses. Teaching service. Participation in workshops.	Cumulative GPA > 3.0. Proposals submitted/accepted/funded.	Self-assessment survey (Table 1). External recognition (e.g. awards, profiles) Courses/Labs taught
3. Communication	No. of written and oral products including seminars, invited talks, publications, websites	No. of Presentations given No. of Manuscripts Submitted/ Accepted/ Published	Self-assessment survey (Table 1). No. of invited presentations No. of citations
4. Application			Self-assessment survey (Table 1).
5. Professionalism	Pass the certified professional soil science exam. Demonstrate active role in relevant professional societies.	Passing grade in board certification. Membership in professional organizations	Self-assessment survey (Table 1). Involvement in multidisciplinary projects. Service in professional organizations

Table 1. Annual and final student survey of learning progress and curriculum success.

Learning Objective	**Lagging (1)**	**Adequate (2)**	**Superior (3)**	**Advanced (4)**	**Total Score**
Knowledge					
Skills					
Communications					
Application					
Professionalism					

[1] The self-assessment survey will be sent electronically to students at the completion of the degree. Currently, the survey is voluntary. It has been discuss that the major advisor contact the student to encourage participation in the survey.

Course Descriptions - Core Courses

Soil Physics

Soil Physics PSS 5335 (3 CR - S) Texas Tech University
Physical characteristics of soils and porous media and principles underlying flow and distribution of water, air, and heat in soils.

Soil Physics CRSS 6600 (3 CR - F) University of Georgia
Physical properties and process of soils. Water, heat, and solute movement in soils

Soil Physics SSC 511 (3 CR - F) NC State University
To understand the physical components of the soil system and relate these to physical, chemical, and biological processes occurring in and through soil. Particular emphasis is given to techniques for measurement and characterization of soil physical properties and processes.

Environmental Soil Physics AGRN 7596 (4 CR - F) Auburn University
Lectures, laboratory exercises and demonstrations to illustrate fundamental physical properties of soils. Introduction to flow and transport phenomena through soils.

Soil Chemistry

Soil Chemistry AGRN 6306 (4 CR - F) Auburn University
Soil chemistry is designed to provide students with knowledge of basic soil chemical properties. Students will learn about the chemical composition of soil particles, weathering processes, ion adsorption and exchange reactions, acidity, salinity, and reduction-oxidation reactions.

Environmental Soil Chemistry CSE 685 (3CR - F_{even}) Clemson University
Study of soil chemical processes (sorption, desorption, ion exchange, precipitation, dissolution, and redox reactions) of nutrients and inorganic and organic contaminants in soils and organic matter. Chemical complex equilibria and adsorption phenomena at the solid (soil, sediments, minerals) water interface will be emphasized.

Environmental Soil Chemistry PSS 5330 (3 CR - S_{odd}) Texas Tech University
Chemistry of inorganic and organic soil components with emphasis on environmental significance of soil solution-solid phase equilibria, sorportion phenomena, ion exchange processes reaction kinetics, redox reactions, and acidity processes.

Soil Biology

Soil Microbiology AGRN 6066 (3 CR - S) Auburn University
Ecology, physiology, and biochemistry of soil microorganisms with emphasis on soil microbial processes that are important to environmental quality and soil productivity.

Soil Microbiology Lab AGRN 6061 (1 CR – S) Auburn University
Ecology, physiology, and biochemistry of soil microorganisms with emphasis on soil microbial processes that are important to environmental quality and soil productivity. (Course requires 5 consecutive days on campus for convenience of students)

Soil Microbiology SSC 532 (4 CR - S) NC State University
Soil as a medium for microbial growth, the relation of microbes to important mineral transformations in soil, the importance of biological equilibrium and significance of soil microbes to environmental quality.

Pedology

Soil Morph., Genesis, Classification SSC 551 (3 CR - F, S) NC State University
Chemical, physical and mineralogical parameters useful in characterizing soil. Genesis: soil-forming factors and processes. Classification: historical development and present concepts of soil taxonomy with particular reference to worldwide distribution of great soil groups as well as discussions of logical bases of soil classification.

Hydrology

Intro. to Land &Water Engineering BAE 590(603) (3 CR - F) NC State University
This course aims at equipping students with the engineering tools and knowledge needed for advanced courses in land and water engineering. The course will introduce concepts of the hydrologic cycle, precipitation, evapotranspiration, infiltration, surface runoff and open channel flow. Students will apply the aforementioned topics towards practical engineering problems and solutions.

Intro. to Fluvial Geomorphology BAE 590(602) (2 CR - F) NC State University
An introduction to applied fluvial geomorphology in relation to natural physical stream processes. Students learn about watershed hydrology, stream gage data analysis, bankfull stage identification, hydraulic geometry relationships, stream channel assessment and classification, stream stability and channel evolution. Students conduct independent field studies to measure stream morphology, identify bankfull stage, characterize stream bank erosion, analyze substrate, and assess channel stability. Several stream classification systems are reviewed for natural streams. Students learn to graph and manipulate stream morphology parameters from field survey data and aerial photos.

DRAINMOD BAE 590(603) (3 CR - S) NC State University
Principles of water movement and fate in shallow water table systems and application of the drainage water management model DRAINMOD which simulates daily hydrology and/or performance of drainage and related water management systems. Theory of saturated and unsaturated water movement is applied to characterize drainage, infiltration, upward water movement from the water table to supply ET, and seepage. These theories are used to develop inputs for DRAINMOD. The model is applied to solve problems related to evaluation, design and management of poorly drained soils including: wetland hydrology; design of drainage, controlled drainage and subirrigation systems to optimize crop yields, profits, and trafficability; effect of drainage design on nitrogen losses; drainage for salinity control; effect of drainage design on volume of wastewater application; site evaluation and drainage design to permit on-site wastewater treatment; and modeling performance of stormwater bioretention areas.

Theory of Drainage – Saturated Flow BAE 771 (3 CR – F_{even}) NC State University
Physical concepts and properties of fluids and porous media in relation to soil-water movement. Derivation and discussion of fundamental laws and equations governing saturated flow in porous media. Analysis of mathematical solutions of steady-state and transient flow equations to determine their applicability to drainage problems. Consideration of analogs and models of particular drainage problems.

Additional Required Courses

Statistical Methods EXST 801 (3 CR - F, S) Clemson
Course covers the role and application of statistics in research. Students gain knowledge and skills in statistical applications to include estimation, test of significance, analysis of variance, multiple comparison techniques, basic designs, mean square expectations, variance components analysis, simple and multiple linear regression and correlations, and nonparametric procedures.

Seminar SSC 601 (1 CR - F, S) NC State University
Scientific articles, progress reports in research and special problems of interest to soil scientists reviewed and discussed. Oral and poster presentation techniques and skills developed.

Course Descriptions - Elective Courses

Resource Management (soil, water, plants, nutrients)

Soil Resources and Conservation AGRN 6086 (4 CR - F) Auburn University
The objectives are to provide sound principles and procedures for planning the wise use and management of soil resources for sustainable crop production, urban development and ecosystem protection. Topics include soil erosion (water, wind) and its control, soil quality, soil assessment for non-agricultural uses, wetlands, non-point source pollution, best management practices, stormwater management.

Bioenergy and Environment AGRN 6406 (3 CR - F) Auburn University
Students learn the role of bioenergy in reducing the environmental problems related to use of fossil fuels, certain agricultural practices related to production of bioenergy, and potential of bioenergy to stimulate rural economies.

Plant Nutrient Management PSS 5331 (3 CR - F) Texas Tech University
Evaluation and application of theory to plant nutrient management; a study of nutrient needs and nutrient reactions in soil; and predicting nutrient need and response.

Plant Water Relations PSS 6323 (3 CR - S_{even}) Texas Tech University
Comprehensive understanding of biophysical factors affecting water status of plant tissue and resultant physiological responses.

Environmental Soil Science PSS 6331 (3 CR - S_{even}) Texas Tech University
Applications of soil chemical, physical, and biological principles to environmental issues.

Soil Erosion and Conservation CRSS 6580 (3 CR - S) University of Georgia
Mechanisms of soil erosion and sediment production; infiltration, runoff, and sediment transport in agricultural, forestry, and urban environments. Erosion and sediment control principles and practices. Impact of erosion and sediment on productivity and environmental quality.

Soil Fertility SSC 541 (3 CR - F, S, Su) NC State University
Soil conditions affecting plant growth and the chemistry of soil and fertilizer interrelationships. Factors affecting the availability of nutrients. Methods of measuring nutrient availability.

Nutrient Management AGRN 6026 (3 CR - Su) Auburn University
Lectures and problems illustrate principles of nutrient management as related to soil or growth media, plant, fertilizer practices, management systems and environment.

Soils and Environmental Quality AGRN 6006 (3 CR - Su) Auburn University
Role of soils in biogeochemical cycling of major elements and compounds of environmental concern; interactions of pollutants with soils and aquatic and atmospheric environments; methods to minimize or correct pollution; risk assessment.

Environmental Appl. of Soil Science SSC 562 (3 CR - S) NC State University
Identification and evaluation of basic factors influencing movement of potential pollutants through soil and their underlying strata. Understanding of processes of soil and site evaluation for waste disposal and transport of pollutants through soils.

Wetland Soils SSC 570 (3 CR - F, S) NC State University
Wetland definitions, concepts, functions and regulations; chemical, physical and morphological characteristics of wetland soils. Wetland soil identification using field indicators and monitoring equipment; principles of wetland creation, restoration and mitigation.

Biomass to Renewable Energy Proc. BAE 528 (3 CR - F) NC State University
Fundamental principles and applications of biomass-to-renewable energy processes, including anaerobic digestion of organic wastes for biogas and hydrogen production, bioethanol and biobutanol production from starch and lignocellulosic materials, biodiesel production from plant oils, and thermoconversion of biomass and waste materials. Students learn fundamental processes to convert biomass into renewable energy and their application to design of practical systems for renewable energy production.

Agricultural Waste Management BAE 578 (3 CR - F) NC State University
Principles of managing, handling, treating and applying animal and poultry manures and organic byproducts from an engineering perspective. Topics include waste characterization, descriptions of systems and technology, land application principles, preparation of waste management plans, biochemical/biological processes, and potential impacts to the environment. Assignments include homework, quizzes, projects, and discussions that emphasize problem solving and analysis.

Design of Structural Stormwater BMPs BAE 575 (3 CR - S_{odd}) NC State University
Selection, design and maintenance of structural stormwater management practices. These include stormwater wetlands, bioretention cells, permeable pavements, level spreader-vegetated filter strips, water harvesting systems, green roofs and swales. A special emphasis is placed on practices incorporated into Low Impact Development. Students are exposed to select BMP design models. The class is application oriented and includes a field trip.

Stream Chjannel Assessment and Restoration BAE 579 (3 CR S) NC State University
Applications of fluvial geomorphology principles for assessment and restoration of natural stream channels and floodplains. Topics include stream processes related to channel formation and maintenance, bankfull channel delineation, stream classification, morphological assessments, stream stability, restoration options for unstable channels, natural channel design approaches, stream hydraulic modeling, fluvial sediment transport, vegetation and habitat assessment, and stream morphology monitoring. Field exercises include channel surveying using total stations, stream classification, and stability assessment. Field trips to stream restoration projects are included.

Open Channel Hydraulics for Natural systems BAE 581 (3 CR – F_{odd}) NC State University
Theory and applications of hydraulics to open channels with an emphasis on natural streams and rivers. Course will introduce and develop principles of flow regimes (subcritical/critical/supercritical), and types (uniform flow, gradually varied and rapidly varied flow). Application will include hydraulics of flow measuring devices, step-backwater analysis and rating curve development, and flood studies using

hydraulic models. A lab-scale flume will be used to illustrate concepts. Laptops will be used in class to learn and apply HEC-RAS (water surface profiles model).

Ecohydraulics & River Corridor Function BAE 583 (1 CR - S) NC State University
An ecological perspective of lotic systems and introduction to ecological processes that structure river corridors. Course defines hydraulic, hydrologic, chemical, sedimentary, and biotic influences on an aquatic ecosystem. The five modules define components of aquatic ecosystems and their interactions, and explore ecological implications of engineered designs and cause-effect relationships from the watershed scale down to individual organisms. This course assumes students have a working knowledge of general biological and physical principles related to fluvial ecosystems.

Wetlands Engineering BAE 590 (3 CR – S_{even}) NC State University
Fundamental understanding of hydrology, soils and ecology of natural wetland systems will be developed to serve as the basis of designing wetland systems for water treatment and restoring degraded natural wetland systems. Stormwater and wastewater treatment wetland design and implementation concepts will be emphasized. Wetland restoration is studied emphasizing current wetland regulations, design, and implementation techniques. Eengineered wetland concepts are supplemented with relevant case studies.

Inter. Agronomic Development PSS 5232 (2 CR - F_{even}) Texas Tech University
Overview of world food situation. Role of assistance programs and international and national research centers in the development of agronomic research and outreach for developing countries.

Pesticides PSS 5307 (3 CR - S) Texas Tech University
Advanced study of the registration, development, and legal use of pesticides.

Soils and Crops in Arid Lands PSS 5334 (3 CR- F_{odd}) Texas Tech University
Potentials for utilizing soils, rainfall patterns, and plant characteristics for crop production in arid lands.

Technology & Analytics

Experimental Methods AGRN 7086 (3 CR - Su) Auburn University
Experimentation in the agricultural sciences including experimental techniques, interpretation of research data, use of library references and preparation of publications. Problems, assigned readings and lectures.

Applied Geostatistics PSS 5231 (2 CR - S_{odd}) Texas Tech University
Application of regionalized variable theory to surface and subsurface land forms using semivariograms and kriging.

Quantitative Agric. Remote Sensing PSS 6301 (3 CR - S_{odd}) Texas Tech University
A general course in the theory and application of remote sensing to quantifying soil and vegetation characteristics relevant to agriculture and natural biosystems.

Instrumentation for Hydrologic Appl. BAE 502 (3 CR - S) NC State University
Basic theory of instruments and measurements. Physical parameters of interest, available methods and sensors for assessment. Sensor characteristics. Dataloggers and sensor-datalogger communications. Data transfer, management, and processing. Emphasis on hydrologic and water quality research applications.

Precision Agriculture Technology BAE (SSC) 535 (3 CR - S) NC State University
Overview of technology available for implementation of a comprehensive precision agriculture program. Topics include computers, GPS, sensors, mechanized soil sampling, variable rate control system, yield

monitors, and postharvest processing controls. Applications of precision agriculture in crop planning, tillage, planting, chemical applications, harvesting and postharvest processing.

GIS Applications in Prec. Agriculture BAE 590(604) (1 CR-S) NC State University
Selection of a subject by each student on which to do research and write a technical report on the results. The individual may choose a subject pertaining to his or her particular interest in any area of study in biological and agricultural engineering.

Watershed Monitoring & Assessment BAE 576 (3 CR - F) NC State University
Water measurement and structure sizing. Identification of water quality problems and water quality variable selection. Monitoring design, water quality sampling equipment, and sample collection and analysis. Statistical analysis and presentation of water quality data.

Integrating AutoCAD Civil3D & GIS BAE 590(605) (1 CR - F) NC State University
Selection of a subject by each student on which to do research and write a technical report on the results. The individual may choose a subject pertaining to his or her particular interest in any area of study in biological and agricultural engineering.

GIS in Hydrologic & Water Qual. Modeling BAE 590(607) (1 CR - F) NC State University
Large scale (watershed, river basin, and regional) models such as Soil and Water Assessment Tool (SWAT) utilize GIS interfaces, which enable model users to access state and federal databases of soil, land use/land cover, and climatological data, generate model inputs, and finally present and analyze model predictions. Not intended as a detailed GIS course, rather an introductory course for users of large scale hydrologic and water quality models utilizing GIS interfaces. Students expected to: 1) access GIS databases and retrieve soils, land use/land cover, and weather data pertaining to a specific watershed/river basin; 2) process retrieved data to generate model inputs and; 3) use GIS spatial analysis tools to present and analyze predictions of a hydrologic and water quality model.

Policy & Law

Environmental Law & Governmental Regulation AAEC6930 University of Georgia
Introduction to regulatory theory, externalities and market failures, definition of key regulations affecting agribusiness, overview of local government law, and delineation of environmental laws relating to agriculture. Current environmental issues are related to statutory, administrative, and regulatory authorities.

Current Schedule of Core/Required Courses

Semester	Core/Required	Available Courses
Fall 2011	Soil Physics	UGA, NCSU, AU (4 cr.)
	Soil Chemistry	AU (4 cr.)
	Pedology	NCSU
	Hydrology	NCSU (3 cr.), NCSU (2 cr)
	Statistical Methods	CU
	Seminar	NCSU
Spring 2012	Soil Physics	TTU
	Soil Microbiology (4 cr.)	NCSU, AU
	Pedology	NCSU
	Hydrology	NCSU (3 cr.)
	Statistical Methods	CU
	Seminar	NCSU
Fall 2012	Soil Physics	UGA, NCSU, AU (4 cr.)
	Soil Chemistry	AU (4 cr.), CU
	Pedology	(NCSU)
	Hydrology	NCSU (3 cr.), NCSU (2 cr.)
	Statistical Methods	CU
	Seminar	NCSU
Spring 2013	Soil Physics	TTU
	Soil Chemistry	TTU
	Soil Microbiology (4 cr.)	NCSU, AU
	Pedology	NCSU
	Hydrology	NCSU (3 cr.)
	Statistical Methods	CU
	Seminar	NCSU
Fall 2013	Soil Physics	UGA, NCSU, AU (4 cr.)
	Soil Chemistry	AU (4 cr.)
	Pedology	NCSU
	Hydrology	NCSU (3 cr.), NCSU (2 cr)
	Statistical Methods	CU
	Seminar	NCSU
Spring 2014	Soil Physics	TTU
	Soil Microbiology (4 cr.)	NCSU, AU
	Pedology	NCSU
	Hydrology	NCSU (3 cr.)
	Statistical Methods	CU
	Seminar	NCSU
Fall 2014	Soil Physics	UGA, NCSU, AU (4 cr.)
	Soil Chemistry	AU (4 cr., CU
	Pedology	NCSU
	Hydrology	NCSU (3 cr.), NCSU (2 cr.)

	Statistical Methods	CU
	Seminar	NCSU

Current Schedule of Elective Courses

Semester	Electives	Available Courses
Fall 2011	Bioenergy and Environment	AU
	Plant Nutrient Mgmt	TTU
	Soil Resources and Conservation (4 cr.)	AU
	Soil Fertility	NCSU
	Wetland Soils	NCSU
	Biomass to Renewable Energy Proc.	NCSU
	Agricultural Waste Mgmt	NCSU
	Soils and Crops in Arid Lands	TTU
	Open Channel Hydraulics for Natural Systems	NCSU
	Watershed Monitoring and Assessment	NCSU
	Integrating AutoCAD Civil3D & GIS (1 cr.)	NCSU
	GIS in Hydrologic & Water Quality Monitoring (1 cr.)	NCSU
Spring 2012	Plant Water Relations	TTU
	Environmental Soil Science	TTU
	Soil Erosion and Conservation	UGA
	Soil Fertility	NCSU
	Environmental Appl. of Soil Science	NCSU
	Wetland Soils	NCSU
	Ecohydraulics & River Corridor Function	NCSU
	Pesticides	TTU
	Instrumentation for Hydrologic Appl.	NCSU
	Precision Ag Technology	NCSU
	GIS Application in Prec. Ag. (1cr.)	NCSU
	Stream Channel Assessment and Restoration	NCSU
	Risk and Failure Assessment of Stream Structures(1cr)	NCSU
	Wetlands Engineering	NCSU
Summer 2012	Soil Fertility	NCSU
	Nutrient Management	AU
	Soils and Environmental Quality	AU
	Experimental Methods	AU
Fall 2012	Bioenergy and Environment	AU
	Soil Resources and Conservation (4 cr.)	AU
	Plant Nutrient Mgmt	TTU
	Soil Fertility	NCSU
	Wetland Soils	NCSU
	Biomass to Renewable Energy Proc.	NCSU
	Agricultural Waste Mgmt	NCSU
	Inter. Agronomic Development (2 cr.)	TTU

	Watershed Monitoring and Assessment	NCSU
	GIS in Hydrologic & Water Quality Monitoring (1 cr.)	NCSU
Spring 2013	Soil Erosion and Conservation	UGA
	Soil Fertility	NCSU
	Environmental Appl. of Soil Science	NCSU
	Wetland Soils	NCSU
	Design of Stormwater BMPs	NCSU
	Ecohydraulics & River Corridor Function	NCSU
	Pesticides	TTU
	Applied Geostatistics (2 cr.)	TTU
	Quantitative Agric. Remote Sensing	TTU
	Instrumentation for Hydrologic Appl.	NCSU
	Design of Structural Stormwater BMPs	NCSU
	Precision Ag Technology	NCSU
	GIS Application in Prec. Ag. (1cr.)	NCSU
	Stream Channel Assessment and Restoration	NCSU
	Risk and Failure Assessment of Stream Structures(1cr)	NCSU
Summer 2013	Soil Fertility	NCSU
	Nutrient Management	AU
	Soils and Environmental Quality	AU
	Experimental Methods	AU
Fall 2013	Bioenergy and Environment	AU
	Soil Resources and Conservation (4 cr.)	AU
	Plant Nutrient Mgmt	TTU
	Soil Fertility	NCSU
	Wetland Soils	NCSU
	Biomass to Renewable Energy Proc.	NCSU
	Agricultural Waste Mgmt	NCSU
	Soils and Crops in Arid Lands	TTU
	Open Channel Hydraulics for Natural Systems	NCSU
	Watershed Monitoring and Assessment	NCSU
	Integrating AutoCAD Civil3D & GIS (1 cr.)	NCSU
	GIS in Hydrologic & Water Quality Monitoring (1 cr.)	NCSU

Price/Cost:
Below is a comparison of institutions offering similar DE degree programs:

Institution	Degree	Tuition ($/CR)	Admission Requirements	Student Credit Hours (CR)
University of Florida Dept. of Soil & Water Sciences	M.S. Soil & Water Sci. (Environ. Sci. track)	$395 (resident) $1120 (non-res.)	B.S. degree GRE (1140) 3.0 GPA	30 (thesis) 35 (non-thesis)
	Graduate Certificates Sustainable Land Res. & Nutrient Management Soil Ecosystem Services Wetland & Water Res. Management		Apply & maintain 3.0 GPA	12 2 core & 2 elective courses
NC State University Dept. of Soil Science	Masters of Soil Science	$235 (resident) $451 (non-res.)	B.S. degree 3.0 GPA 1 course: Soil Science, Chemistry, Physics, Biology 2 courses: Calculus	36
Auburn University Dept. of Agronomy & Soils	Master of Science, M.S.	$330	B.S. degree Agronomy or related area; 3.0 GPA for last 90 semester hours; GRE (min. 900)	Minimum 30 including 6 hours thesis research
	Master of Agriculture, M.Ag.; non-thesis terminal degree			Minimum 30 hours; no thesis, professional paper required; 6 hours course work replaces thesis research
Texas Tech University Dept. Plant & Soil Science	Graduate certificate Soil Management	$350 (resident) $627 (non-res.)	B.S. in related area Maintain 3.0 GPA	12 2 core + 2 elective courses

Proposed Revenue for SWES programs – 3 year projection

The AG*IDEA approved cost per credit hour is projected to increase over time, where 75% goes to instructor, 12.5% to institution of enrolled student, and 12.5% to AG*IDEA.

Year	$/CR	Projected Enrollment*	Revenue	
			Total	AG*IDEA (12.5%)
1	445	20	$80,100	$10,013
2	445	45	$180,225	$22,528
3	445	75	$300,375	$37,547
Total			**$560,700**	**$70,088**

* assumes 20 students in year 1; 25 new students in year 2; 30 new students in year 3. Also assumes each students enrolls in 9 CR/year in either the M.S. degree or graduate certificate program

Marketing Plan

The SWES MS degree and graduate certificate programs will be accessible through the AG*IDEA website (www.agidea.org) listed among other Ag*IDEA programs. Student evaluation comments and testimonials will be documented and included on the website as the program progresses. The SWES Executive Committee will develop a one-page brochure that can be attached to email communications. We will provide news releases to professional society news magazines, such as CSA News, the news magazine of the American Society of Agronomy, the Crop Science Society of America and the Soil Science Society of America. Member universities will advertise the program through announcements and news stories in college newspapers and in press releases to state newspapers and other agriculture related organizations. We will send email announcements to state cooperative extension services, state offices of USDA Natural Resources Conservation Service, and professional associations, such as soil classifiers associations, turfgrass associations, golf course superintendent associations, nursery and landscape associations, certified crop advisors, farmer associations and networks, all of whom maintain email listings. We will also send announcements to state agribusiness councils, environmental departments and health departments.

Links to www.agidea.org will be available on the following websites:

National Society of Consulting Soil Scientists (http://www.nscss.org/content/distance-education)
Soil Science Society of America (https://www.soils.org)
American Society of Agronomy (https://www.agronomy.org)
Ecological Society of America (http://www.esa.org)
American Geological Institute (http://www.agiweb.org/education)
Society of Wetland Scientists (http://www.sws.org/colleges)
American Society of Agricultural and Biological Engineering (http://asabe.org)

Other websites will be added as the program develops. In addition, links on state and regional level organization websites will be included (i.e. NC Soil Science Society; Western Soil Science Society).

GREAT PLAINS IDEA
Interactive Distance Education Alliance

PROGRAM MEMORANDUM OF AGREEMENT
GREAT PLAINS INTERACTIVE DISTANCE EDUCATION ALLIANCE (GREAT PLAINS IDEA)

FOR THE

Soil, Water and Environmental Science DEGREE PROGRAM

The Great Plains Interactive Distance Education Alliance (hereinafter called the Great Plains IDEA) is comprised of academic colleges offering baccalaureate and higher degree programs.

This memorandum of agreement is entered into by Auburn University,
College of Agriculture

regarding the creation of the Great Plains IDEA inter-institutional distance education program in
Soil, Water and Environmental Science

The Great Plains IDEA institutions (alliance member, academic affiliate, or institutional affiliate) initiating this memorandum and agreeing to these terms and conditions include:

Auburn University
Clemson University
University of Georgia
North Carolina State University
Texas Tech University

It is understood that additional parties may be invited to join this cooperative effort either as Alliance members, or program affiliates as outlined in the Great Plains IDEA policies and procedures manual.

Auburn University will participate in this inter-institutional program by granting a Master's Degree and/or a _____ certificate in to students who successfully complete the inter-institutional program.

Auburn University agrees to provide distance education courses for students admitted to the program by other partnering institutions, to incorporate approved courses offered by other Alliance members, academic affiliate, or institutional affiliates into its appropriate degree and certificate, to admit fully qualified program applicants and to advise graduate students in the inter-institutional program.

Auburn University agrees to respect the academic standards and quality of the academic departments involved in this joint program. Faculty members of the partnering institutions who provide instruction in this program must meet qualifications for teaching graduate courses at their employing institution; further documentation or approval will not be required by the other partnering institutions.

Auburn University retains the right to:

1) Uphold its established university admission processes and admission standards for students entering the inter-institutional program as Auburn University students.
2) Monitor academic performance, enforce standards, including disciplinary policies and procedures, and adherence to all other graduate school policies for students admitted to study at the institution.
3) Conduct graduation audits to assure compliance with university requirements.
4) Follow its established university review processes for approval of and modification to the curriculum.
5) Implement its university processes for course and program assessment.
6) Assign to the student's graduate committee approval oversight for courses applied to the student's program of study.

Institutional courses designated as Alliance courses will be:

1) Taught by faculty members approved by the partnering institutions that provide the instruction.
2) Taught according to the published schedule and at the enrollment capacity agreed upon by the inter-institutional program faculty.
3) Priced to all students enrolled in the Alliance section of the course at the current Alliance credit hour price for the program as approved by the Great Plains IDEA board of directors.
4) Open to other qualified students on a space-available basis.

Each partnering institution has the following responsibilities related to the inter-institutional program:

1) Actively recruit and admit students into the program in which it participates.
2) Support the development and delivery of courses taught by its faculty.
3) Provide student services and Internet-based program information to support the Alliance program.
4) Provide web-based information about the Alliance program and maintain links to the Alliance website for purposes of marketing the program and providing information to students and the public.
5) Support faculty participation in inter-institutional program faculty meetings and faculty development workshops.
6) Offer the courses it is assigned to teach according to the published schedule and provide the agreed-upon enrollment capacity for each course.
7) Comply with the Common Price and revenue distribution agreements negotiated for Great Plains IDEA inter-institutional programs.
8) Consider this document a financial aid consortium agreement and that each Great Plains IDEA member will comply as follows:
    a. The admitting institution will be the home institution. The remaining institutions will be considered the secondary (host) institutions.
    b. The host institutions will provide information and assistance to the home institution in order to assure compliance with all applicable financial aid regulations.
    c. The host institution shall assist in the verification of attendance (including the last date of contact for students who have unofficially withdrawn) and shall provide the student's grades, Common Price, and other relevant information to the home institution.
    d. Assist each other in compliance with existing financial aid regulations or new regulations that emerge subsequent to the signing of this document.

9) Notify the appropriate academic board if it wishes to withdraw from the program. Such intent must be announced to the academic board a full twelve months in advance of the date of withdrawal and provisions made to allow admitted students to complete program requirements.

If the decision is made to discontinue the program, every effort will be made, in accordance to the Alliance member's policies, to allow Alliance students who are currently admitted to the program to complete the program within four years and no students will be allowed to take more than five years from the dissolution date to complete their program.

By affixing the appropriate signatures to this document,

the College of Agriculture at

Auburn University

indicates its *intent or desire* to participate in the Soil, Water and Environmental Science

inter-institutional distance education program of the Great Plains Interactive Distance Education Alliance and to adhere to the terms of the memorandum of agreement.

Signed the 24th day of January, 2012.

Signature of Program Administrator

Signature of College Administrator

1/23/12
Signature of Distance Education Officer

1/24/12
Signature of Graduate School Administrator

Provost 1/17/12
Signature of University Academic Officer

Great Plains IDEA Program MOA approved 06-18-2003; Amended 11-15-2005

EXECUTIVE COMMITTEE

PRESIDENTIAL ASSESSMENT

Time will be allocated for discussion of the Presidential Assessment.

EXECUTIVE COMMITTEE

SELECTION OF A BOARD MEMBER
TO THE TRUSTEE SELECTION COMMITTEE

Time will be allocated for a member of the Board to serve on the Trustee Selection Committee with President Pro Tempore, Raymond Harbert. This appointment will become effective immediately through the Annual June Meeting in 2013, or until the appointment or reappointment of a member.

1.3 New members of the Board of Trustees are appointed by an appointing committee, by and with the advice and consent of the State Senate, and hold office for a term of seven years, and until their successors are appointed and qualified, but in no event longer than one year after completion of the term of office. Each member of the Board of Trustees, as constituted on the date this amendatory language is ratified, may serve the remainder of his or her current term and shall be eligible, if otherwise qualified, to serve for no more than two additional seven-year terms. No person shall be appointed as a member of the Board of Trustees after having reached 70 years of age.

Under the laws of the State of Alabama, the Board of Trustees has no power to remove one of its members. Section 60 of the Constitution of Alabama which provides that "[n]o person convicted of embezzlement of the public money, bribery, perjury, or other infamous crime, shall be eligible to the legislature, or capable of holding any office of trust or profit in this state" sets forth the grounds and procedure for removing a Trustee.

1.4 Vacancies occurring on the Board of Trustees from death, resignation, or other cause are appointed by the appointing committee, by and with the advice and consent of the State Senate.

1.5 The President Pro Tempore or another trustee who he/she designates, along with another Trustee elected by the Board of Trustees, will be members of the appointing committee. The Governor and two members of the Auburn Alumni Association Board of Directors, selected by the Auburn Alumni Association, shall be the other members of the appointing committee.

1.6 No Trustee may receive any pay or emolument other than actual expenses incurred in the discharge of Board duties.

1.7 No employee of Auburn University is eligible to serve on its Board of Trustees.

1.8 The presidents of the Student Government Associations at Auburn University and Auburn University at Montgomery serve ex officio as advisory members to the Board of Trustees.

1.9 The immediate Past-Chair of the Auburn University Senate and immediate Past-President of the AUM Faculty Council will be elected as non-voting advisors to the Board of Trustees, replacing their predecessors at the next Board meeting after assuming that status.

1.10 Emeritus status shall be conferred automatically when a member of the Board of Trustees completes a term or terms of service. The emeriti members may attend meetings in a non-voting ex officio capacity in appreciation for service to Auburn University.

WHEREAS, the School of Forestry and Wildlife Sciences proposes to lease three (3) parcels of land totaling 248 acres located at the Solon Dixon Forestry Education Center for agricultural purposes; and

WHEREAS, the School of Forestry and Wildlife Sciences provides annual reports to the Board on the operation and activities of the Center.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of Auburn University that the lease of these parcels is approved and that Jay Gogue, President, or such other person as may be acting as President, be and the same is hereby authorized and empowered to execute said lease to be conducted in accordance with the bid laws of the State of Alabama. All documents shall be approved subject to form by legal counsel for Auburn University.

BE IT FURTHER RESOLVED that the funds generated from the sale of timber be used for operations, management, and use and support of the Solon Dixon Forestry Education Center.

Mr. Armstrong reported that a boundary line lease agreement has been executed in Monroeville and that Auburn University received what is rightfully owned. No formal approval was needed, only inclusion in the minutes.

Executive Committee - - Chairperson Rane. Mr. Rane introduced the first item by calling on Trustee Sarah Newton. Ms. Newton discussed the Presidential Assessment and thanked President Gogue for his outstanding leadership over the past year. She also thanked Mrs. Gogue for doing a fantastic job as Auburn's First Lady. (See Attachment B for the Presidential Assessment).

Mr. Rane called upon Mr. Blackwell for discussion of the next item, Selection of a Board member to the Trustee Selection Committee. Mr. Blackwell made a recommendation to appoint Mr. Raymond Harbert to serve on this committee with him for a term effective immediately through the Annual June meeting in 2011, or until the appointment or reappointment of a member. A motion was received from Mr. Lowder, seconded by Ms. Thompson, and the members unanimously agreed.

Mr. Blackwell then presented next item, Selection of Two Members to the Auburn Spirit Foundation. He made a motion to appoint Reverand Byron Franklin and re-appoint Ms. Virginia Thompson. A second was received from Mr. Rane, and the Committee unanimously agreed.

Mr. Rane reminded the Board that at the June 18, 2010, meeting the Board of Trustees approved a resolution naming the Atrium of the Auburn Alumni Center the J. Pat Galloway Atrium. Dr. Debbie Shaw introduced members of the family and presented the resolution after

EXECUTIVE COMMITTEE

PROPOSED AWARDS AND NAMINGS

Time will be allocated for discussion of any awards and namings.