

**Graduate Faculty Meeting Minutes**  
**August 13, 2012 1:00 - 2:00 pm, AGLS 129**

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Present: Gary Briers, James Christiansen, Scott Cummings, Chanda Elbert, Julie Harlin, Alvin Larke, Landry Lockett, Billy McKim, Lori Moore, Summer Odom, Manuel Pina, John Rayfield, Gary Wingenbach, Tim Murphy, Clarice Fulton

Not Present: Barry Boyd, Kim Dooley, Deb Dunsford, Jack Elliot, James Lindner, Theresa Murphrey, Jeff Ripley, Tracy Rutherford, Robert Strong, Glen Shinn, Andy Vestal, Jennifer Williams

Guest: Cathryn Clement

Action/Discussion Items

- 1) Approval of Minutes from the June meeting  
**Motion was made by John Rayfield, Second by Scott Cummings to “Approve the June minutes as distributed.” Motion passed unanimously.**
  
- 2) Graduate Curriculum Committee Report – Gary Briers – **No report at this time.**
  - a. International Ag Course Rotation – Manuel Pina – **No report at this time.**
  - b. Peace Corps Master’s International Program/International Ag Graduate Certificate – Manual Pina, Cathryn Clement, Clarice Fulton

**Cathryn provided detailed information on the Master’s International program and the International Ag certificate. (Provided in Attachments A, B)**

**Cathryn indicated that approximately 8 students are currently enrolled in the Peace Corps Master’s program with at least 5 of those students from ALEC. She also mentioned that she has approximately 4-5 students annually complete the International Certificate and a majority of those are ALEC students.**

**The International certificate is currently under revisions. A departmental survey was sent to Department Heads for review for updates/edits. Dr. Tim Murphy in conjunction with Dr. Manuel Pina reviewed the materials. All ALEC courses listed have been sent to Cathryn to remain as part of the program with addition of ALEC 610 and the exclusion of ALEC 641. ALEC 641 has been terminated from the course catalog. A College-wide committee will review all suggested edits/additions, etc. Decisions should be announced sometime in the Fall semester. (Attachment C).**

**Based on this conversation, it was mentioned that rotation for the ALEC 681 Seminar for the Spring 2013 would be International Ag. Gary Wingenbach volunteered to teach the seminar in the Spring.**

- 3) Qualifying Examination Committee Report – Gary Wingenbach – **No report at this time.**  
**Committee to meet soon to develop a proposed process for a Departmental qualifying examination, and report back to the Graduate Faculty. A suggestion was made that this proposal should include how questions are approved, and how the administration of the exam will be monitored. Members: Gary Wingenbach, Lori Moore, Robert Strong, Summer Odom.**

Old Business

**Manuel Pina indicated that conversations about the international ag course rotation will re-engage during the fall semester. He will visit with the departments of AGECE and RPTS to see where any overlaps may exist.**

New Business

**None at this time.**

### Informational Items

- 1) Thesis Office Changes (Attachment D) – Gary Briers  
**Open discussion about the changes. Please propose types of journals that could be used and send those suggestions to Dr. Murphy by October 1, 2012. These will be provided to the Thesis Office.**
- 2) ALEC News for Web page – Clarice Fulton  
**Clarice reminded everyone that the department would like to include news about faculty and students on the web page slideshow on a rolling basis. If you have any news/events that you would like to see on the web, please send the information to Clarice or any person on the web committee.**

**Dr. Gary Briers to adjourn. Seconded by John Rayfield. Meeting adjourned.**

### Graduate Faculty Meeting Appendices (provided each month):

- 1) Graduate Admission Criterion Score Calculation/GRE Percentile Rankings (Attachment E)
- 2) Faculty “Stewardship” of Course Rotation (Attachment F)
- 3) Five Year Course Rotation (Attachment G)

### Travel Request Form Deadlines

Domestic (30 days prior to trip): e.g. travel September 1, 2012 due by August 1, 2012  
International (60 days prior to trip): e.g. travel October 1, 2012 due by August 1, 2012

### Upcoming Events/Meetings

September 10, 2012	Departmental Meeting, AGLS 129, 2:00 pm
September 10-13, 2012	Sukhothai Thammathirat Open Univ Representatives visit
September 12, 2012	College Outstanding Awards Ceremony/New Faculty Introductions
September 21, 2012	Prospective Graduate Student Day
September 27-29, 2012	COADC Fall Meeting
September 29, 2012	College Tailgate
October 9, 2012	Departmental Meeting, AGLS 129, 9:00 am
October 13, 2012	College Appreciation and Recognition Event
November 8, 2012	Departmental Meeting, AGLS 129, 2:00 pm
November 23-23, 2012	Thanksgiving Break
December 3, 2012	College Holiday Social
December 5, 2012	Departmental Meeting, AGLS 129, 9:00 am
December 24-January 1	Holiday Break

### Future Graduate Faculty

September 10, 202, AGLS 129, 1:00 pm  
October 9, AGLS 129, 1:00 pm  
November 8, 2012, AGLS 129, 1:00 pm



TEXAS A&M  
**AGRICULTURE**  
 The Texas A&M University System

## PROGRAM PROFILE:

# MASTER'S INTERNATIONAL

## PEACE CORPS MASTER'S INTERNATIONAL

**Location:** More than 187,000 volunteers have served in 139 countries

**Sponsor:** U.S. Peace Corps and Texas A&M College of Agriculture and Life Sciences

**Partners:** U.S. Peace Corps

In July 2007, Texas A&M University became a partner in the Peace Corps' Master's International Program. Students studying for a Master of Science or Masters of Agriculture in one of ten participating departments and seven interdisciplinary programs of the College of Agriculture and Life Sciences can integrate their coursework and research with their Peace Corps service. Other degree students eligible for the program are those studying for the Master of Renewable Natural Resources, Master of Wildlife Sciences or Master of Fisheries Science.

The MI program participants will work with their faculty advisor and committee, as well as the MI Program Coordinator, to plan a degree program that fulfills their career objectives and degree requirements while also preparing them for their Peace Corps service. They will complete 24 credit hours at Texas A&M prior to fulfilling their 27 month commitment to the Peace Corps. Depending on their department and degree program as well as research and independent study undertaken in concert with the experiential learning of their Peace Corps

### Benefits for Students

Students obtain a master's degree, fluency in another language, and the unique international field experience only found in the Peace Corps.

### Benefits for Faculty

Master's International expands the faculty's network and increases opportunities for international research.

### Benefits for Texas A&M

The program attracts motivated students to the university and underpins our ongoing commitment to service.



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NORMAN E. BORLAUG

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service, participating students will receive 3-12 credit hours as research hours, internship hours, as directed studies courses or as a combination of these. The MI student, his/her major professor and the MI Program Coordinator would work together to coordinate research required for a thesis or professional paper into required duties of Peace Corps service to minimize additional time required of the volunteer. No other courses will be required during the student's field assignment.

After the Peace Corps tour is completed, the student will return to campus to complete any remaining credits for the degree plan, to write a thesis or professional paper, and to complete the examinations.



Areas of specialization available in Texas A&M's Peace Corps MI program are: entomology, agronomy, plant breeding, plant sciences, poultry sciences, fisheries sciences, wildlife and fisheries sciences, wildlife sciences, horticulture, animal science, dairy science, physiology of reproduction, animal breeding, agricultural development, agricultural education, agricultural economics, plant pathology, ecosystem science and management, forest science, and rangeland ecology and management.

To become a part of the Peace Corps Master's International Program at Texas A&M, interested students will simultaneously apply to the Peace Corps, graduate school at Texas A&M University, and the Texas A&M MI Program.



Applications should be submitted to Cathryn Clement, the MI Program Coordinator at the Borlaug Institute for International Agriculture.

Include the following materials:

- Copy of the Peace Corps application
- Copy of the graduate school application
- Essay on why the student wishes to take part in the MI program and Peace Corps
- Past international experience



Students accepted into the Peace Corps MI program will be eligible for all financial assistance available to others seeking a degree in their program. This will include graduate assistantships while they are on campus. Individuals are responsible for seeking their own financial aid.

Texas A&M will pay for one, on-site visit by their major professor to their service site to evaluate and provide guidance for their research program.



TEXAS A&M  
**AGRICULTURE**

The Texas A&M University System

If you are interested in the program, please contact:

Cathryn Clement

2477 TAMU

College Station, TX 77843-2477

t. 979.458.0820

f. 979.845.5663

e. [cclement@ag.tamu.edu](mailto:cclement@ag.tamu.edu)

w. <http://borlaug.tamu.edu>

The Borlaug Institute focuses on significant issues confronting agriculture systems throughout the world. We promote a broad spectrum of research to influence policy on issues such as transfer of new agricultural technology, improved sciences for better global health, and the development of infrastructure to enhance agrarian economies.

The legacy of Norman Borlaug demands productive partnerships among universities, governments, industries, and nongovernmental organizations. The Borlaug Institute's programs provide researchers, policy makers and university faculty from developing countries the ability to strengthen sustainable agricultural practices through scientific training and collaborative research opportunities. We aim to be the leading international agriculture program among U.S. universities, measured by the quality of international teaching, science, and extension programs.



### What Is the Graduate Emphasis?

- ◆ Major in one of 17 existing graduate programs
- ◆ Choose minimum of 12 credit hours from the Core Courses list and complete a 1-credit seminar
- ◆ Participate in weekly seminars and activities with other emphasis area students from across the College of Agriculture and Life Sciences
- ◆ Participate in an optional international internship

### Why International Agriculture & Resource Management?

- ◆ Earn a certificate in International Agriculture and Resource Management
- ◆ Prepare for an international career in agriculture, life sciences and natural resources
- ◆ Interact with a network of internationally-focused faculty and students
- ◆ Increase cross-cultural awareness and understanding
- ◆ Develop a broader understanding of world food and fiber systems and sustainable development

### Post-Graduate Career Opportunities:

- ◆ Explore international research, extension, and education
- ◆ Excel in agribusiness, marketing, and other international corporations at home or abroad
- ◆ Join private and/or public development organizations
- ◆ Pursue a career in global ecology and resource management
- ◆ Succeed with state, federal, and international government or non-governmental organizations

### Participating Disciplines and Contacts

**Agricultural Economics:** Fred Boadu, Gary Williams  
**Agricultural Education:** Gary Wingenbach, Jim Lindner  
**Biological & Agricultural Engineering:** Marty Matlock  
**Animal Sciences:** Gary Acuff  
**Entomology:** Pete Teel  
**Horticultural Sciences:** Mike Arnold, Leo Lombardini  
**Nutrition and Food Science:** Jimmy Keeton  
**Plant Pathology & Microbiology:** Joseph Krausz, Daniel Ebbole  
**Poultry Science:** Christopher Bailey  
**Ecosystem Science & Management:** Steve Whisenant, Ben Wu  
**Recreation, Parks & Tourism Sciences:** Gary Ellis, Sanjay Nepal  
**Soil & Crop Sciences:** C. Wayne Smith, Dick Loepfert  
**Wildlife & Fisheries Sciences:** William Grant, Kirk Winemiller

#### Study Abroad and Internship Programs:

There are study abroad programs—faculty-led, reciprocal exchange—specifically for agriculture in more than seventeen countries as well as internship possibilities arranged in association with these programs or with COALS project. There are also several third party providers that offer agriculture and natural - resource related program. Contact your departmental advisor or the Borlaug Institute for International Agriculture for details



Core courses selected by students in consultation with their advisors for this emphasis area should be primarily international in application and should help them to better understand the processes and contexts in which agricultural and natural resources systems function. Thesis and dissertation research undertaken by students might also have an international focus. In addition to the 12 semester hours of core courses and the one credit-hour seminar required in the core program, students should choose to take courses in or related to their major field to complement and to strengthen their preparation for working in the international arena. Though not required for the International Agricultural and Resource Management Certificate, students should consider taking language courses as electives to strengthen their preparedness for international work.

### Examples of Core Courses

#### Seminar—required

1-credit weekly departmental seminar designated as fulfilling IARM requirements

#### Internships

Professional International Internships (all departments)

#### Education

Agricultural Extension Organization and Methods ALEC 441  
 Principles of Adult Education ALEC 610  
 Methods of Technological Change ALEC 640  
 Society and Education in World Perspective EDCI 645

#### Agricultural Development

The Agricultural Advisor in Developing Nations ALEC 644  
 Global Food and Agribusiness Policy AGECE 614  
 Development Planning in Third World Countries PLAN 623  
 Initiating, Managing and Monitoring Projects of International Agricultural Development ALEC 645  
 Institutions Serving Agriculture in Developing Nations ALEC 646  
 International Agronomic Development AGRO 608

#### Economics & Trade

International Agricultural Economics AGECE 652  
 International Management MGMT 678  
 Natural Resource Economics AGECE 604

#### Sociology/Anthropology

Applied Anthropology ANTH 641  
 Women and Culture ANTH 404

#### Agronomy/Horticulture

Citrus and Subtropical Fruits HORT 422  
 Tropical Horticulture HORT 423  
 Tropical Soils and Cropping Systems AGRO 410

#### Technology Transfer

Methods of Technological Change ALEC 640  
 Transfer of Technology by Institutions ALEC 641

#### Ecology and Natural Resources

Integrated Farming Systems AGRO 609  
 Nutrient Cycling: Global and Ecosystem Perspectives RLEM 622  
 Advanced Principles of Agroecosystems Management w/Emphasis on Insects and Mites ENTO 623  
 Range and Forest Watershed Management RLEM 603

#### Other

Hazard Analysis and Critical Control Point Systems FSTC 657/ANSC 657  
 Directed studies in approved International Agriculture and Resource Management topics 685

## Costs

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**No additional costs.** Courses required for an international certificate may be part of your regular degree program

## What To Do:

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- ◆ Consult your departmental advisor and advisory committee members to coordinate your participation in the certificate program
- ◆ Register at Office of International Agricultural Programs
- ◆ Complete minimum of 12 hours of core courses
- ◆ Complete 1-hour weekly seminar course
- ◆ Apply for certificate

## Who to Contact:

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Cathryn Clement  
Academic Coordinator  
Borlaug Institute for International Agricultural  
Location: Suite 123 K, Teague Building  
Telephone: 979-458-0820  
Fax: 979-458-3405  
E-mail: cclement@ag.tamu.edu

Revised March 26, 2009 .



**College of Agriculture and Life Sciences**

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## Examples of Complementary Courses

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### Economics & Trade

Natural Resource Economics AGEC 604  
Multinational Marketing Management MKTG 677  
International Accounting ACCT 445

### Agronomy/Horticulture

Forage Crops Management AGRO 612  
Sustainable Agriculture RENR 400

### Soils & Water

Forest and Range Soils RENR 651  
Irrigation Principles and Management AGSM 435  
Water and Soil Management AGSM 335  
Soil and Water Conservation Engineering BAEN 468

### Livestock and Poultry

Beef Cattle Management ANSC 608  
Grazing Management and Range Nutrition RLEM 604  
Issues in Animal Agriculture ANSC 650  
Poultry Processing and Distribution Technology  
FSTC 611  
Sheep & Goat Production and Management ANSC 414  
Technology of Meat Processing and Distribution  
FSTC 647

### Pest Management

Advanced Plant Pathology I PLPA 611  
Diseases of Field Crops PLPA 623  
Host Plant Resistance ENTO 610  
Principles of Biological Control ENTO 608  
Medical and Veterinary Entomology ENTO 618  
Acarology ENTO 617  
Insect Toxicology ENTO 619

### Nutrition

Nutrition of Horticultural Plants HORT 601

### Technology Transfer/Development

International Development Perspectives LDEV 673  
Development Planning in Third World Countries  
PLAN 626

### Rural Sociology/Anthropology

Cultural Geography GEOG 311  
ESL for International and Intercultural Settings  
EDCI 614  
People and Cultures of Africa ANTH 315  
Theories of Race and Ethnic Group Relations SOCI 660  
Education and Society from a World Perspective  
EDCI 645

### Meteorology

Agricultural Meteorology ATMO 666  
Climate Change ATMO 629  
Global Climatic Regions GEOG 324  
Tropical Meteorology ATMO 656

### Ecology and Natural Resources

Advances in Range Improvement Practices RLEM 614  
Ecosystem Management RENR 410  
Human Dimensions of Wildlife and Fisheries  
Management WFSC 640  
Landscape Ecology ENTO 625  
Environmental Law and Policy RENR 662  
Statistical Modeling and Simulation of Biological  
Systems BAEN 662  
Remote Sensing for Wildlife Resource Management  
FRSC 608

### Languages/Communication

Languages and Culture LING 307

### Other

Computer Applications in Agriculture AGLS 201

### Activities to Further Strengthen International Preparation

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- ◆ Study in an international center
- ◆ Conduct thesis or dissertation research abroad
- ◆ Learn and use Overseas Development Network
- ◆ Do an internship with international agencies such as FAO, UNAP, and others
- ◆ Study other languages and cultures

## Emphasis Area in International Agriculture and Resource Management



A Graduate Certificate Program  
of the  
College of Agriculture and Life  
Sciences

Texas A&M University

**Departmental Curriculum Survey  
For  
The Graduate Certificate in  
International Agriculture and Natural Resource Management**

The IARM Certificate Program is a transcribed certificate program in the College of Agriculture and Life Sciences. Its purpose is to expand the background and knowledge of graduate students seeking careers in international agriculture. The IARM Certificate requires successful completion of 13 hours of courses (includes a 1-hour seminar course) available from multiple departments that provide expertise across a breadth of areas important for international agriculture and resource management. Courses that can satisfy the Certificate requirements must have a minimum 50% international content and cover one or more of the following 5 focus areas:

1. Human Capacity Development for International Agriculture, Development and Natural Resource Management
2. Agricultural and Natural Resource Economic Trade and Policy
3. Food Systems
4. Agricultural and Natural Resource Development
5. Natural Resources

The courses listed below are being considered for inclusion in the list of approved courses for the five IARM certificate focus areas. *Please verify the appropriateness of these courses for the IARM certificate by answering the following questions for each course.*

	Yes	No	
> 50% emphasis on international aspects of the subject matter			<i>ALEC 640 Methods of Technological Change—Dynamics of cultural change as theoretical framework for planned technological change; methods of planning and implementing change, its effects and how it can be predicated</i>
Available to non-majors			
Typically, seats are available			
If prerequisites, please list:			
Circle/highlight focus areas course best fits: 1    2    3    4    5			
> 50% emphasis on international aspects of the subject matter			<i>ALEC 644 The Agricultural Advisor in Developing Nations—Trends, conditions, critical incidents, techniques, roles, and preparation affecting the success of persons desiring to provide technical assistance in projects of agricultural development by serving as agricultural advisors in developing nations, especially in cross cultural settings.</i>
Available to non-majors			
Seats available			
If prerequisites, please list:			
Circle the focus areas this course fits into: 1    2    3    4    5			

> 50% emphasis on international aspects of the subject matter			<p><i>ALEC 630 Guidance and Counseling for Rural Youth</i>—Problems of youth with special attention given to rural youth; theories of vocational development reviewed and techniques and procedures developed to help youth make career choices.</p>
Available to non-majors			
Seats available			
If prerequisites, please list:			
Circle the focus areas this course fits into: 1 2 3 4 5			
> 50% emphasis on international aspects of the subject matter			<p><del><i>ALEC 641 Transfer of Technology by Institutions</i>—Role and organization of institutions for effective transfer of technology; institutional models, assignment of priorities, institutional linkages, communications, special program design, program strategies, and program evaluation.</del></p>
Available to non-majors			
Seats available			
If prerequisites, please list:			
Circle the focus areas this course fits into: 1 2 3 4 5			
> 50% emphasis on international aspects of the subject matter			<p><i>ALEC 645 Initiating, Managing, and Monitoring Projects of International Agricultural Development</i>—Origin of projects in agricultural development involving host governments; procedures in developing contracts with sponsors; duties and responsibilities of contract administrators, project leaders, and the home institution; reporting systems, project reviews, and evaluation procedures; procedures effective in managing projects.</p>
Available to non-majors			
Seats available			
If prerequisites, please list:			
Circle the focus areas this course fits into: 1 2 3 4 5			
> 50% emphasis on international aspects of the subject matter			<p><i>ALEC 646 Institutions Serving Agriculture in Developing Nations</i>—Comparisons among programs and functions, strengths and weaknesses, organization, and relationships of institutions and agencies in public sectors serving agriculture in developing nations; includes those responsible for agricultural extension, agricultural research, agrarian reform, price stabilization, agricultural credit and agricultural cooperatives.</p>
Available to non-majors			
Seats available			
If prerequisites, please list:			
Circle the focus areas this course fits into: 1 2 3 4 5			



If you have additional courses that you think should be included in the IARM certificate program, please add no more than 3 here.

	Yes	No	
> 50% emphasis on international aspects of the subject matter			ALEC 610. Principles of Adult Education
Available to non-majors			
Seats available			
If prerequisites, please list:			
Circle the focus areas this course fits into: 1 2 3 4 5			
> 50% emphasis on international aspects of the subject matter			
Available to non-majors			
Seats available			
If prerequisites, please list:			
Circle the focus areas this course fits into: 1 2 3 4 5			
> 50% emphasis on international aspects of the subject matter			
Available to non-majors			
Seats available			
If prerequisites, please list:			
Circle the focus areas this course fits into: 1 2 3 4 5			

**GRE SCORES and PERCENTILE RANKS**

PREV SCORE	NEW SCORE	NEW QUANTITATIVE %	NEW VERBAL %
800	166	94	99
790	164	91	99
780	163	88	99
770	161	86	99
760	160	84	99
750	159	82	99
740	158	79	99
730	157	77	98
720	156	74	98
710	155	69	98
700	155	69	97
690	154	67	96
680	153	65	96
670	152	61	94
660	152	61	94
650	151	56	93
640	151	56	90
630	150	53	90
620	149	49	89
610	149	49	86
600	148	44	86
590	148	44	84
580	147	40	79
570	147	40	79
560	146	36	77
550	146	36	72
540	145	32	72
530	145	32	69
520	144	26	64
510	144	26	64
500	144	26	62
490	143	22	56
480	143	22	56
470	142	19	51
460	142	19	51
450	141	16	48
440	141	16	42
430	141	16	42
420	140	12	40
410	140	12	36
400	140	12	31
390	139	10	31
380	139	10	28
370	138	7	26
360	138	7	21
350	138	7	21
340	137	6	18
330	137	6	16
320	136	4	13
310	136	4	10
300	136	4	8
290	135	3	6
280	135	3	4
270	134	2	3
260	134	2	2
250	133	1	1
240	133	1	1
230	132	1	1
220	132	1	1
210	131	1	1
200	131	1	1

SCORE	WRITING %
6.0	98
5.5	92
5.0	81
4.5	63
4.0	41
3.5	23
3.0	10
2.5	3
2.0	1
1.5	1
1.0	1
0.5	0
0.0	0

**ALEC Criterion Score Calculation**

**(GRE-V %ile + GRE-Q %ile + GRE-W %ile) + (GPR x 100)**

**Master's Minimum to be considered: 350**

**Doctoral Minimum to be considered: 400**

**Old Test Auto Admit Minimums**

**Master's Applicants**

GRE-Q	GRE-V	Writing	Last 60 hrs. GPR
500	410	4	3.1

**Doctoral Applicants**

GRE-Q	GRE-V	Writing	Graduate GPR
500	450	4	3.7

**New Test - Auto Admit Minimums**

**Master's Applicants**

GRE-Q	GRE-V	Writing	Last 60 hrs. GPR
26%	36%	41%	3.1
144	147	4	

**Doctoral Applicants**

GRE-Q	GRE-V	Writing	Graduate GPR
26%	48%	41%	3.7
144	150	4	

If your scores and GPA meet each category above for the degree of interest, you may be admitted automatically without a faculty vote. However, you must still have a faculty member to agree to serve as your interim major advisor.

**Grad Course Sequencing**  
**Department of Agricultural Leadership, Education, & Communications**

o = odd years; e = even years

<b>Fall Course and Title</b>		<b>Steward</b>
ALEC 602 (o, e)	Advanced Instructional Design in Agricultural Science	Harlin
ALEC 605 (o, e)	Facilitating Complete Secondary Agricultural Science Programs	Rayfield
ALEC 606 (o, e)	Leadership Education Theory	Elbert
ALEC 610 (o, e)	Principles of Adult Education (Web-based)	Lindner
ALEC 611 (o, e)	Advanced Methods in Distance Education (Web-based)	Dooley
ALEC 615 (o, e)	Philosophy of Agricultural Education (Web-Enhanced)	Murphy
<b>ALEC 618 (o, e)</b>	<b>(Proposed course) Cross Cultural Perspectives on Leadership</b>	Elbert
ALEC 621 (o)	Methods of Online Survey Research in Agricultural Science	Wingenbach
ALEC 623 (o, e)	Survey of Evaluation Strategies for Agriculture (Web-based)	Murphrey
ALEC 624 (o, e)	Developing Funded Research Projects (Doctoral only)	Pina
ALEC 640 (o, e)	Methods of Technological Change (Web-based)	Murphrey
ALEC 644 (o, e)	The Agricultural Advisor in Developing Nations	Pina
ALEC 646 (e)	Institutions Serving Agriculture in Developing Nations	Wingenbach
ALEC 681 (o, e)	Seminar (topics change by semester; can be taken more than once)	
ALEC 690 (o, e)	Theory of Agricultural Education Research (Basic Quant)	Briers
ALEC 691 (o, e)	Research for MS/PhD	
ALEC 692 (o, e)	Research for EdD	
ALEC 693 (o, e)	Professional Study for MAg	
ALEC 695 (o, e)	Frontiers in Research (Campus & Web-based)	??

<b>Spring Course and Title</b>		<b>Steward</b>
ALEC 601 (o, e)	Advanced Methods in Agricultural Education	Murphy
ALEC 602 (o, e)	Advanced Instructional Design in Agricultural Science	Harlin
ALEC 604 (o, e)	Writing for Professional Publication	Rutherford
ALEC 605 (o, e)	Facilitating Complete Secondary Agricultural Science Programs	Rayfield
ALEC 607 (o, e)	Youth Leadership Programs (Web-based)	Boyd
ALEC 608 (o, e)	Leadership of Volunteers	Lockett
ALEC 609 (o, e)	Learning Organizations	Moore
ALEC 612 (o, e)	Advanced Instructional Design for Online Learning (Web-based)	Murphrey
ALEC 613 (o, e)	Techniques in eLearning Development & Delivery (Web-based)	Strong
ALEC 620 (e)	Instrumentation and Survey Research Methods	Lindner
ALEC 622 (o, e)	Data Analysis, Collection, and Interpretation	Briers
ALEC 624 (o, e)	Developing Funded Research Projects (Masters only)	Pina
ALEC 625 (o, e)	Program Evaluation & Organizational Accountability (Web-based)	Elbert
ALEC 630 (o, e)	Guidance and Counseling for Rural Youth	Larke
ALEC 640 (o, e)	Methods of Technological Change	Murphrey
ALEC 641 (o, e)	The Transfer of Technology by Institutions	Wingenbach
ALEC 645 (e, o)	Initiating, Managing & Monitoring Projects of International ADEV	Pina
ALEC 652 (o)	Images of Agriculture: Visual Communication Research	Rutherford
ALEC 681 (o, e)	Seminar (topics change by semester; can be taken more than once)	

<b>ALEC 691 (o, e)</b>	<b>Research for MS/PhD</b>	
<b>ALEC 692 (o, e)</b>	<b>Research for EdD</b>	
<b>ALEC 693 (o, e)</b>	<b>Professional Study for MAg</b>	
<b>ALEC 695 (o, e)</b>	<b>Frontiers of Research</b>	
<b>ALEC 696 (o, e)</b>	<b>Qualitative Research Methods (Campus &amp; Web-based)</b>	<b>Dooley</b>

<b>Summer Course and Title</b>		<b>Steward</b>
<b>ALEC 603 (o, e)</b>	<b>Experiential Learning</b>	<b>Rayfield</b>
<b>ALEC 617 (o, e)</b>	<b>Leadership in Organizational Culture &amp; Ethics</b>	<b>Williams</b>
<b>ALEC 616 (o, e)</b>	<b>Facilitation of Leadership Programs</b>	<b>Moore</b>
<b>ALEC 625 (e)</b>	<b>Program Evaluation &amp; Organizational Accountability (Web-based)</b>	<b>Elbert</b>
<b>ALEC 631 (o, e)</b>	<b>Development and Planning of Community Education Programs</b>	<b>Cummings</b>
<b>ALEC 646 (o)</b>	<b>Institutions Serving Agriculture in Developing Nations</b>	<b>Wingenbach</b>

**This document is intended for planning purposes. Course offerings are subject to change and it is recommended that students visit with their advisors and course instructors to determine exact offerings for specific semesters.**

**Last Updated, November 2011**

## Agricultural Leadership, Education, & Communications Graduate Course Offering Schedule (Five Year)

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>FALL</b>	ALEC 602 Adv Instructional Design in AGSC (Harlin)	ALEC 602 Adv Instructional Design in AGSC (Harlin)	ALEC 602 Adv Instructional Design in AGSC (Harlin)	ALEC 602 Adv Instructional Design in AGSC	ALEC 602 Adv Instructional Design in AGSC
	ALEC 605 Facilitating Comp Secondary AGSC Programs (Rayfield)	ALEC 605 Facilitating Comp Secondary AGSC Programs (Rayfield)	ALEC 605 Facilitating Comp Secondary AGSC Programs (Rayfield)	ALEC 605 Facilitating Comp Secondary AGSC Programs	ALEC 605 Facilitating Comp Secondary AGSC Programs
	ALEC 606 Leadership Education Theory (Elbert)	ALEC 606 Leadership Education Theory (Elbert)	ALEC 606 Leadership Education Theory	ALEC 606 Leadership Education Theory	ALEC 606 Leadership Education Theory
	ALEC 610 Principles of Adult Education (Lindner) <sup>1</sup>	ALEC 610 Principles of Adult Education (Lindner) <sup>1 3</sup>	ALEC 610 Principles of Adult Education (Lindner) <sup>1</sup>	ALEC 610 Principles of Adult Education <sup>1</sup>	ALEC 610 Principles of Adult Education <sup>1</sup>
	ALEC 611 Adv Methods in Distance Ed <sup>1</sup> Dooley <sup>1</sup>	ALEC 611 Adv Methods in Distance Ed (Dooley) <sup>1</sup>	ALEC 611 Adv Methods in Distance Ed <sup>1</sup>	ALEC 611 Adv Methods in Distance Ed <sup>1</sup>	ALEC 611 Adv Methods in Distance Ed <sup>1</sup>
	ALEC 615 Philosophy of AGED (Murphy)	ALEC 615 Philosophy of AGED (Murphy) <sup>2</sup>	ALEC 615 Philosophy of AGED (Murphy) <sup>1</sup>	ALEC 615 Philosophy of AGED <sup>2</sup>	ALEC 615 Philosophy of AGED <sup>1</sup>
	ALEC 621 Methods of Online Survey Research in AGSC (Wingenbach)	ALEC 616 Facilitation of Leadership Programs (Odom)	ALEC 621 Methods of Online Survey Research in AGSC (Wingenbach)	ALEC 623 Survey of Evaluation Strategies for Agriculture	ALEC 621 Methods of Online Survey Research in AGSC
	ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey) <sup>1</sup>	ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey)	ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey) <sup>1</sup>	ALEC 624 Developing Funded Research Projects	ALEC 623 Survey of Evaluation Strategies for Agriculture <sup>1</sup>
	ALEC 624 Developing Funded Research Projects (Pina)	ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey) <sup>1</sup>	ALEC 624 Developing Funded Research Projects (Pina)	ALEC 640 Methods of Technological Change <sup>1</sup>	ALEC 624 Developing Funded Research Projects
	ALEC 640 Methods of Technological Change (Murphrey) <sup>1</sup>	ALEC 624 Developing Funded Research Projects-Doctoral only (Pina)	ALEC 640 Methods of Technological Change (Murphrey) <sup>1</sup>	ALEC 644 The Agricultural Advisor in Developing Nations	ALEC 640 Methods of Technological Change <sup>1</sup>
	ALEC 644 The Agricultural Advisor in Developing Nations (Pina)	ALEC 640 Methods of Technological Change (Murphrey) <sup>1</sup>	ALEC 644 The Agricultural Advisor in Developing Nations (STAFF)	ALEC 646 Institutions Serving AG in Developing Nations	ALEC 644 The Agricultural Advisor in Developing Nations
	ALEC 681 Seminar (Murphy)	ALEC 640 Methods of Technological Change (Strong)	ALEC 681 Seminar (STAFF)	ALEC 681 Seminar	ALEC 681 Seminar
	ALEC 681 Seminar (Murphrey) <sup>1</sup>	ALEC 644 The Agricultural Advisor in Developing Nations (Pina)	ALEC 690 Theory of AGED Research-Basic Quant (Briers)	ALEC 690 Theory of AGED Research-Basic Quant	ALEC 690 Theory of AGED Research-Basic Quant
	ALEC 690 Theory of AGED Research-Basic Quant (Briers)	ALEC 681 Seminar (Staff)	ALEC 695 Frontiers in Research	ALEC 695 Frontiers in Research	ALEC 695 Frontiers in Research
	ALEC 695 Frontiers in Research (Rayfield)	ALEC 690 Theory of AGED Research-Basic Quant (Briers)	ALEC 695 Frontiers in Research <sup>1</sup>		
	ALEC 695 Frontiers in Research (Strong) <sup>1 3</sup>	ALEC 695 Frontiers of Research (Rayfield)			
		ALEC 695 Frontiers of Research (Strong) <sup>1</sup>			

SPRING REGULAR SEMESTER

	2011-12	2012-13	2013-14	2014-15	2015-16
	ALEC 601 Adv Methods in AGED (Murphy)	ALEC 601 Adv Methods in AGED (Murphy) <sup>3</sup>	ALEC 601 Adv Methods in AGED	ALEC 601 Adv Methods in AGED	ALEC 601 Adv Methods in AGED
	ALEC 602 Adv Instructional Design in AGSC (Harlin)	ALEC 602 Adv Instructional Design in AGSC (Harlin)	ALEC 602 Adv Instructional Design in AGSC (Harlin)	ALEC 602 Adv Instructional Design in AGSC (Harlin)	ALEC 602 Adv Instructional Design in AGSC (Harlin)
	ALEC 604 Writing for Professional Publication (Rutherford)	ALEC 605 Facilitating Comp Secondary AGSC Programs (Rayfield)	ALEC 605 Facilitating Comp Secondary AGSC Programs (Rayfield)	ALEC 605 Facilitating Comp Secondary AGSC Programs (Rayfield)	ALEC 605 Facilitating Comp Secondary AGSC Programs (Rayfield)
	ALEC 605 Facilitating Comp Secondary AGSC Programs (Rayfield)	ALEC 604 Writing for Professional Publication	ALEC 604 Writing for Professional Publication	ALEC 604 Writing for Professional Publication	ALEC 604 Writing for Professional Publication
	ALEC 606 Leadership Education Theory (Moore) <sup>3</sup>	ALEC 608 Leadership of Volunteers (Lockett)	ALEC 608 Leadership of Volunteers	ALEC 608 Leadership of Volunteers	ALEC 608 Leadership of Volunteers
	ALEC 608 Leadership of Volunteers (Lockett)	ALEC 609 Learning Organizations (Moore)	ALEC 609 Learning Organizations	ALEC 612 Adv Instructional Design for Online Learning <sup>1</sup>	ALEC 609 Learning Organizations
	ALEC 609 Learning Organizations (Moore)	ALEC 612 Adv Instructional Design for Online Learning (Murphrey) <sup>1</sup>	ALEC 612 Adv Instructional Design for Online Learning <sup>1</sup>	ALEC 613 Techniques in eLearning Dev & Delivery <sup>1</sup>	ALEC 612 Adv Instructional Design for Online Learning <sup>1</sup>
	ALEC 612 Adv Instructional Design for Online Learning (Murphrey) <sup>1</sup>	ALEC 613 Techniques in eLearning Dev & Delivery (Strong) <sup>1</sup>	ALEC 613 Techniques in eLearning Dev & Delivery <sup>1</sup>	ALEC 622 Data Analysis, Collection, & Interpretation	ALEC 613 Techniques in eLearning Dev & Delivery <sup>1</sup>
	ALEC 613 Techniques in eLearning Dev & Delivery (Strong) <sup>1</sup>	ALEC 622 Data Analysis, Collection, & Interpretation (Briers)	ALEC 620 Instrumentation & Survey Research Methods (Lindner)	ALEC 624 Developing Funded Research Projects-Masters only (Pina)	ALEC 620 Instrumentation & Survey Research Methods (Lindner)
	ALEC 620 Instrumentation & Survey Research Methods (Lindner)	ALEC 624 Developing Funded Research Projects-Masters only (Pina)	ALEC 622 Data Analysis, Collection, & Interpretation	ALEC 625 Program Evaluation & Organizational Accountability <sup>1</sup>	ALEC 622 Data Analysis, Collection, & Interpretation
	ALEC 622 Data Analysis, Collection, & Interpretation (Briers)	ALEC 625 Program Evaluation & Organizational Accountability (Elbert) <sup>1</sup>	ALEC 624 Developing Funded Research Projects-Masters only (Pina)	ALEC 630 Guidance & Counseling for Rural Youth	ALEC 624 Developing Funded Research Projects-Masters only (Pina)
	ALEC 624 Developing Funded Research Projects-Masters only (Pina)	ALEC 630 Guidance & Counseling for Rural Youth (Larke)	ALEC 625 Program Evaluation & Organizational Accountability <sup>1</sup>	ALEC 641 The Transfer of Technology by Institutions	ALEC 625 Program Evaluation & Organizational Accountability <sup>1</sup>
	ALEC 625 Program Evaluation & Organizational Accountability (Cummings)	ALEC 640 Methods of Technological Change (Murphrey) <sup>1</sup>	ALEC 630 Guidance & Counseling for Rural Youth	ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV	ALEC 630 Guidance & Counseling for Rural Youth
	ALEC 625 Program Evaluation & Organizational Accountability (Elbert) <sup>1</sup>	ALEC 641 The Transfer of Technology by Institutions	ALEC 640 Methods of Technological Change <sup>1</sup>	ALEC 652 Images of Agriculture: Visual Communication Research	ALEC 640 Methods of Technological Change <sup>1</sup>
	ALEC 630 Guidance & Counseling for Rural Youth (Larke)	ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina)	ALEC 641 The Transfer of Technology by Institutions	ALEC 681 Seminar	ALEC 641 The Transfer of Technology by Institutions
	ALEC 640 Methods of Technological Change (Murphrey) <sup>1</sup>	ALEC 652 Images of Agriculture: Visual Communication Research (Rutherford)	ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina)	ALEC 681 Seminar <sup>3</sup>	ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina)
	ALEC 640 Methods of Technological Change (Lindner) Study Abroad-Trinidad <sup>5</sup>	ALEC 681 Seminar (Boyd)	ALEC 641 The Transfer of Technology by Institutions	ALEC 695 Frontiers of Research	ALEC 681 Seminar
	ALEC 641 The Transfer of Technology by Institutions (Wingenbach)	ALEC 681 Seminar (Murphy) <sup>3</sup>	ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina)	ALEC 696 Qualitative Research Methods <sup>1</sup>	ALEC 681 Seminar
	ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina)	ALEC 689 Advanced Leadership Theory (Williams)	ALEC 652 Images of Agriculture: Visual Communication Research (Rutherford)		ALEC 695 Frontiers of Research
	ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina)	ALEC 695 Frontiers of Research (Strong)	ALEC 681 Seminar <sup>3</sup>		ALEC 695 Frontiers of Research
	ALEC 681 Seminar (Boyd)	ALEC 695 Frontiers of Research (Strong) <sup>1</sup>	ALEC 695 Frontiers of Research		ALEC 695 Frontiers of Research
	ALEC 681 Seminar (Murphy) <sup>3</sup>	ALEC 696 Qualitative Research Methods (Lindner)	ALEC 696 Qualitative Research Methods <sup>1</sup>		ALEC 696 Qualitative Research Methods <sup>1</sup>
	ALEC 689 Advanced Leadership Theory (Williams)				
	ALEC 695 Frontiers of Research (Strong)				
	ALEC 695 Frontiers of Research (Strong) <sup>1</sup>				
	ALEC 696 Qualitative Research Methods (Lindner)				

	2011-12	2012-13	2013-14	2014-15	2015-16
<b>Spring Winter Mini-mester</b>	ALEC 640/ALED 440 Methods of Technological Change (Dooley) Study Abroad-Costa Rica <sup>5</sup>				
<b>SS I / Summer Mini-mester</b>	ALEC 603 Experiential Learning (Rayfield) <sup>4</sup> ALEC 625 Program Evaluation & Organizational Accountability (Elbert) <sup>1</sup> ALEC 617 Leadership in Organizational Culture & Ethics (Williams) <sup>1</sup> ALEC 631 Development and Planning of Community Education Programs (Cummings) ALEC 681 Seminar (Murphy) ALEC 681 Seminar (Murphrey) <sup>3</sup> ALEC 685 Directed Studies (Larke) Study Abroad-Brazil <sup>5</sup>	ALEC 603 Experiential Learning (Rayfield) <sup>4</sup> ALEC 617 Leadership in Organizational Culture & Ethics ( Williams ) <sup>1</sup> ALEC 625 Program Evaluation & Organizational Accountability (Elbert) <sup>1</sup> ALEC 631 Development and Planning of Community Education Programs (Cummings) ALEC 646 Institutions Serving AG in Developing Nations	ALEC 603 Experiential Learning ALEC 607 Youth Leadership Programs <sup>1</sup> ALEC 617 Leadership in Organizational Culture & Ethics ALEC 625 Program Evaluation & Organizational Accountability <sup>1</sup> ALEC 631 Development and Planning of Community Education Programs	ALEC 603 Experiential Learning ALEC 607 Youth Leadership Programs <sup>1</sup> ALEC 617 Leadership in Organizational Culture & Ethics ALEC 631 Development and Planning of Community Education Programs ALEC 646 Institutions Serving AG in Developing Nations	ALEC 603 Experiential Learning ALEC 607 Youth Leadership Programs <sup>1</sup> ALEC 617 Leadership in Organizational Culture & Ethics ALEC 625 Program Evaluation & Organizational Accountability <sup>1</sup> ALEC 631 Development and Planning of Community Education Programs
<b>SS II</b>	ALEC 604 Writing for Professional Publication (Rutherford) Study Abroad-Namibia <sup>5</sup> ALEC 685 Directed Studies (Elbert) Study Abroad-Greece <sup>5</sup>				

- 1 Distance delivery as web-based
- 2 Delivery is web enhanced
- 3 For Joint Ed.D. program
- 4 Summer Mini-mester
- 5 Study Abroad

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