

**Graduate Faculty e-Mail Meeting Minutes
November 23, 2013**

Action/Discussion Items for e-Mail Meeting

The electronic message from Dr. Murphy to Graduate Faculty is included as part of the minutes below as well as the message indicating decisions announced from the discussions.

- 1) Approval of Minutes from the October meeting – Tim Murphy
No concerns indicated. Minutes approved.
- 2) Change the rotation of ALEC 610
- 3) Identify faculty member to teach ALEC 681 Seminar Spring 2014
- 4) Identify faculty member to teach ALEC 695 Online Spring 2014
- 5) New COALS Graduate Program Grant available

Old Business

None

New Business

1) Request to discuss Graduate Course Rotation next meeting

Informational Items

None

Graduate Faculty Meeting Appendices (provided each month):

- 1) Graduate Admission Criterion Score Calculation/GRE Percentile Rankings (Attachment A)
- 2) Graduate Course Rotation/Steward (Attachment B)
- 3) Five Year Course Rotation (Attachment C)
- 4) Graduate Research Tools Sequence Requirements (Attachment D)

Travel Request Form Deadlines

Domestic (30 days prior to trip): e.g. travel December 1, 2013 due by November 1, 2013
International (60 days prior to trip): e.g. travel January 1, 2014 due by November 1, 2013

Upcoming Events/Meetings

December 2, 2013	COALS Holiday Social, 3:00 pm, Agrilife Center
December 3, 2013	Departmental Mtg, 10:00 am, AGLS 129
December 13, 2013	Holiday lunch and movie, 11:30 am, AGLS 114
December 23-January 1	Christmas/New Year's holiday
January 9, 2014	COALS Awards Ceremony, 2:30 pm, Agrilife Center
January 16, 2014	Departmental Mtg, 2:00 pm, AGLS 129
January 17, 2014	New Student Orientation (tentative)
February 1-4, 2014	Southern Region AAAE, Dallas
February 25, 2014	Departmental Mtg, 9:00 am, AGLS 129
March 17, 2014	Departmental Mtg, 10:00 am, AGLS 129
April 27 – May 1, 2014	AIAEE, Miami
May 20-23, 2014	National AAAE, Salt Lake City, UT

Future Graduate Faculty

February 17, 2013 – Admissions Mtg

From: Tim Murphy
Sent: Monday, November 25, 2013 9:13 PM
To: James Christiansen
Cc: ALEC - GradFaculty; Jack Elliot; Clarice Fulton
Subject: RE: Graduate Faculty e-Mail Meeting -- Please Participate and Vote!

On Nov 25, 2013, at 9:13 PM, "Tim Murphy" <tmurphy@tamu.edu> wrote:

Thank you. "U

The motion to change the rotation of ALEC 610 to Fall (on campus) and Spring (online) has passed.

UPDATE – Online sections will be created in the Spring 2014 schedule indicating Dr. James Lindner as instructor and course rotation updated.

We have a solution for ALEC 681. Dr. Scott Cummings will lead the Seminar – description to follow soon.

UPDATE –The schedule in Howdy/Compass has been updated with this information.

We are looking for a solution for ALEC 695 Online.

UPDATE --- ALEC 695 online sections will be cancelled this Spring 2014 semester. A discussion for the next Graduate Faculty meeting will be “Graduate Course Rotations” and low demand courses.

I am proceeding with the proposal for additional graduate program funding.

Tim

Tim Murphy

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From: Tim Murphy
Sent: Saturday, November 23, 2013 9:56 PM
To: ALEC - GradFaculty; Jack Elliot; Clarice Fulton
Subject: RE: Graduate Faculty e-Mail Meeting -- Please Participate and Vote!

On Nov 23, 2013, at 9:35 PM, "Tim Murphy" <tmurphy@tamu.edu> wrote:

Graduate Faculty Members,

Rather than calling a special meeting in this busy time of the year – I wanted to see if we could accomplish a little graduate program business via email. There are several items below, one of which requires a vote.

1. **We have not identified anyone to teach the online section of ALEC 695 for Spring.** The on-campus section will be offered by Dr. Rayfield (again). As a reminder, the intent was to rotate this course among Assistant professors. The online section is pretty well developed, and assistance with eCampus will be available.

2. **We have not identified anyone to teach the Graduate Seminar for Spring.** We have essentially abandoned the “rotation” among the emphasis areas, having taught out-of-rotation subjects for two years, but if we had not, Communications would be ‘up.’

Please contact me ASAP to volunteer to teach, or provide suggestions for ALEC 695 Online and ALEC 681 for Spring.

3. **Dr. Lindner proposes to change the rotation of ALEC 610.** In the current rotation, 610 has been offered each Fall – both online and on-campus. His proposal is to offer the course Fall and Spring; online in the Spring and on-campus in the Fall. We are currently identifying “low demand” graduate courses for discussion/removal. ALEC 610 course is NOT one of them; sustaining high demand (20+) for both sections.

Please provide me with your vote:

Yes / No -- Change the rotation of graduate courses to offer ALEC 610 every semester, online in the Spring and on-campus in the Fall.

4. **There is a new COALS Graduate Program Grant available.** The College would like to allocate a small amount of one-time funds to departments to enhance and elevate graduate programs in COALS. Departments can submit grants to enhance and elevate their graduate program. Dr. Reed anticipates awarding 6 to 10 grants of \$15,000 or less.

I am preparing the ALEC proposal. I have included; Graduate Advising materials (brochures, Suggested Degree Plans), Prospective Student Travel (recruiting), Recruiting/Advertising materials (brochures, banners, displays, pens, mugs, etc.), Current student travel (conference presentations, study away, high impact experiences). The grants must be spent by Summer, and advance one or more of the following outcomes.

- 1) Enhance the quality of your graduate program
- 2) Increase matriculation of new graduate students
- 3) Increase diversity of your graduate students
- 4) Decrease time to degree
- 5) Improve graduate student climate

Please send me your ideas and suggestions for this one-time “Christmas Bonus” graduate enhancement funding.

Finally, I have attached a summary of your admission decisions for the last admissions cycle.

Have a great weekend.

Tim

Tim Murphy

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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

Fall Course and Title		Steward
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 (Campus)	Lindner
ALEC 611 (o, e)	Advanced Methods in Distance Education (Web-based)	Dooley
ALEC 615 (o, e)	Philosophy of Agricultural Education (Web-Enhanced)	Murphy
ALEC 616 (o, e)	Facilitation of Leadership Programs	Odom
ALEC 618 (o, e)	(Proposed course) Cross Cultural Perspectives on Leadership	Elbert
ALEC 621 (o)	Methods of Online Survey Research in Agricultural Science	Wingenbach
ALEC 623 (o, e)	Survey of Evaluation Strategies for Agriculture (Campus & WBased)	Murphrey
ALEC 624 (o, e)	Developing Funded Research Projects (Doctoral only)	Pina
ALEC 640 (o, e)	Methods of Technological Change (Campus & Web-based)	Strong
ALEC 644 (o, e)	The Agricultural Advisor in Developing Nations	Pina
ALEC 681 (o, e)	Seminar (topics change by semester; can be taken more than once)	Murphy
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)	Murphy

Spring Course and Title		Steward
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 (e)	Youth Leadership Programs (Web-based)	Boyd
ALEC 608 (o, e)	Leadership of Volunteers	Lockett
ALEC 609 (o, e)	Learning Organizations	Moore
ALEC 610 (o, e)	Principles of Adult Education (Web-based)	Lindner
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 (o, e)	Instrumentation and Survey Research Methods	Lindner
ALEC 622 (o, e)	Data Collection, Analysis and Interpretation	Briers
ALEC 624 (o)	Developing Funded Research Projects (Masters only)	Pina
ALEC 625 (o, e)	Program Evaluation & Org Accountability (Campus & Web-based)	Elbert
ALEC 630 (o, e)	Guidance and Counseling for Rural Youth	Larke
ALEC 640 (o, e)	Methods of Technological Change (Campus & Web-based)	Strong
ALEC 645 (o, e)	Initiating, Managing & Monitoring Projects of International ADEV	Pina
ALEC 646 (e)	Institutions Serving Agriculture in Developing Nations	Wingenbach
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)	

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 of Research (Campus & Web-based)	Murphy
ALEC 696 (o, e)	Qualitative Research Methods (Campus & Web-based)	Dooley

Summer Course and Title (Proposed list)		Steward
ALEC 603 (o, e)	Experiential Learning	Rayfield
ALEC 617 (o, e)	Leadership in Organizational Culture & Ethics (Web-based)	Williams
ALEC 625 (e)	Program Evaluation & Org Accountability (Campus & Web-based)	Elbert
ALEC 631 (o, e)	Development and Planning of Community Education Programs	Cummings

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. Summer course offerings will be subject to available funding.

Last Updated, November 2013

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

	2013-14	2014-15	2015-16	2016-17	2017-18
FALL	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 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	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)	ALEC 610 Principles of Adult Education (Lindner)	ALEC 610 Principles of Adult Education ALEC 611 Adv Methods in Distance Ed ¹	ALEC 610 Principles of Adult Education ALEC 611 Adv Methods in Distance Ed ¹	ALEC 610 Principles of Adult Education ALEC 611 Adv Methods in Distance Ed ¹
	ALEC 611 Adv Methods in Distance Ed (Dooley) ¹	ALEC 611 Adv Methods in Distance Ed (Dooley) ¹	ALEC 615 Philosophy of AGED	ALEC 615 Philosophy of AGED	ALEC 615 Philosophy of AGED
	ALEC 615 Philosophy of AGED (Murphy)	ALEC 615 Philosophy of AGED (Murphy)	ALEC 616 Facilitation of Leadership Programs	ALEC 616 Facilitation of Leadership Programs	ALEC 616 Facilitation of Leadership Programs
	ALEC 616 Facilitation of Leadership Programs (Odom)	ALEC 616 Facilitation of Leadership Programs (Odom)	ALEC 621 Methods of Online Survey Research in AGSC (Wingenbach)	ALEC 621 Methods of Online Survey Research in AGSC	ALEC 621 Methods of Online Survey Research in AGSC (Wingenbach)
	ALEC 621 Methods of Online Survey Research in AGSC (Wingenbach)	ALEC 623 Survey of Evaluation Strategies for Agriculture	ALEC 623 Survey of Evaluation Strategies for Agriculture	ALEC 623 Survey of Evaluation Strategies for Agriculture ¹	ALEC 623 Survey of Evaluation Strategies for Agriculture
	ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey)	ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey)	ALEC 624 Developing Funded Research Projects	ALEC 624 Developing Funded Research Projects	ALEC 624 Developing Funded Research Projects
	ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey) ¹	ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey) ¹	ALEC 640 Methods of Technological Change ¹	ALEC 640 Methods of Technological Change ¹	ALEC 640 Methods of Technological Change ¹
	ALEC 624 Developing Funded Research Projects-Doctoral only (Pina)	ALEC 624 Developing Funded Research Projects (Pina)	ALEC 644 The Agricultural Advisor in Developing Nations	ALEC 644 The Agricultural Advisor in Developing Nations	ALEC 644 The Agricultural Advisor in Developing Nations
	ALEC 640 Methods of Technological Change (Murphrey) ¹	ALEC 640 Methods of Technological Change (Murphrey) ¹	ALEC 681 Seminar	ALEC 681 Seminar	ALEC 681 Seminar
	ALEC 640 Methods of Technological Change (Strong)	ALEC 644 The Agricultural Advisor in Developing Nations (Pina)	ALEC 690 Theory of AGED Research-Basic Quant	ALEC 690 Theory of AGED Research-Basic Quant	ALEC 690 Theory of AGED Research-Basic Quant
	ALEC 644 The Agricultural Advisor in Developing Nations (Pina)	ALEC 681 Seminar (McKim)	ALEC 695 Frontiers in Research	ALEC 695 Frontiers in Research	ALEC 695 Frontiers in Research
	ALEC 681 Seminar (Hanagriff)	ALEC 690 Theory of AGED Research-Basic Quant (Briers)	ALEC 695 Frontiers in Research ¹	ALEC 695 Frontiers in Research ¹	ALEC 695 Frontiers in Research ¹
	ALEC 681 Seminar (Murphrey) ¹	ALEC 695 Frontiers in Research (Rayfield)			
	ALEC 689 Sp Tp Leadership of Teams (Williams)	ALEC 695 Frontiers in Research (Strong) ¹			
	ALEC 689 Sp Tp Mentoring for Success (Odom)				
	ALEC 690 Theory of AGED Research-Basic Quant (Briers)				
	ALEC 695 Frontiers of Research (Rayfield)				
ALEC 695 Frontiers of Research (Strong) ^{1 3}					

SPRING REGULAR SEMESTER

	2013-14	2014-15	2015-16	2016-17	2017-18
	ALEC 601 Adv Methods in AGED (Murphy)	ALEC 601 Adv Methods in AGED	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 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 (Rutherford) ^{1 3}	ALEC 604 Writing for Professional Publication (Rutherford) ³	ALEC 604 Writing for Professional Publication	ALEC 604 Writing for Professional Publication	ALEC 604 Writing for Professional Publication
	ALEC 606 Leadership Education Theory (Moore) ³	ALEC 606 Leadership Education Theory (Moore)	ALEC 607 Youth Leadership Programs ¹	ALEC 608 Leadership of Volunteers	ALEC 607 Youth Leadership Programs ¹
	ALEC 607 Youth Leadership Programs (Moore) ¹	ALEC 608 Leadership of Volunteers	ALEC 608 Leadership of Volunteers	ALEC 609 Learning Organizations	ALEC 608 Leadership of Volunteers
	ALEC 608 Leadership of Volunteers (Lockett)	ALEC 609 Learning Organizations	ALEC 610 Principles of Adult Education (Lindner) ¹	ALEC 610 Principles of Adult Education (Lindner) ¹	ALEC 610 Principles of Adult Education (Lindner) ¹
	ALEC 609 Learning Organizations (Moore) Cancelled	ALEC 610 Principles of Adult Education (Lindner) ¹	ALEC 612 Adv Instructional Design for Online Learning ¹	ALEC 612 Adv Instructional Design for Online Learning ¹	ALEC 612 Adv Instructional Design for Online Learning ¹
	ALEC 610 Principles of Adult Education (Lindner) ¹	ALEC 612 Adv Instructional Design for Online Learning ¹	ALEC 613 Techniques in eLearning Dev & Delivery ¹	ALEC 613 Techniques in eLearning Dev & Delivery ¹	ALEC 612 Adv Instructional Design for Online Learning ¹
	ALEC 612 Adv Instructional Design for Online Learning (Murphrey) ¹	ALEC 613 Techniques in eLearning Dev & Delivery ¹	ALEC 622 Data Collection, Analysis, & Interpretation	ALEC 620 Instrumentation & Survey Research Methods (Lindner)	ALEC 613 Techniques in eLearning Dev & Delivery ¹
	ALEC 613 Techniques in eLearning Dev & Delivery (Strong) ¹	ALEC 620 Instrumentation & Survey Research Methods (Lindner)	ALEC 625 Program Evaluation & Organizational Accountability ¹	ALEC 622 Data Collection, Analysis, & Interpretation	ALEC 622 Data Collection, Analysis, & Interpretation
	ALEC 620 Instrumentation & Survey Research Methods (Lindner)	ALEC 622 Data Collection, Analysis, & Interpretation	ALEC 625 Program Evaluation & Organizational Accountability	ALEC 624 Developing Funded Research Projects-Masters only (Pina)	ALEC 625 Program Evaluation & Organizational Accountability ¹
	ALEC 622 Data Collection, Analysis, & Interpretation (Briers)	ALEC 624 Developing Funded Research Projects-Masters only (Pina)	ALEC 630 Guidance & Counseling for Rural Youth	ALEC 625 Program Evaluation & Organizational Accountability ¹	ALEC 625 Program Evaluation & Organizational Accountability
	ALEC 625 Program Evaluation & Organizational Accountability (Cummings)	ALEC 625 Program Evaluation & Organizational Accountability ¹	ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina)	ALEC 625 Program Evaluation & Organizational Accountability	ALEC 630 Guidance & Counseling for Rural Youth
	ALEC 625 Program Evaluation & Organizational Accountability (Elbert) ¹	ALEC 625 Program Evaluation & Organizational Accountability	ALEC 646 Institutions Serving AG in Developing Nations	ALEC 630 Guidance & Counseling for Rural Youth	ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina)
	ALEC 630 Guidance & Counseling for Rural Youth (Larke)	ALEC 630 Guidance & Counseling for Rural Youth	ALEC 652 Images of Agriculture: Visual Communication Research	ALEC 640 Methods of Technological Change ¹	ALEC 646 Institutions Serving AG in Developing Nations
	ALEC 640 Methods of Technological Change (Murphrey) ¹	ALEC 640 Methods of Technological Change ¹	ALEC 681 Seminar	ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina)	ALEC 652 Images of Agriculture: Visual Communication Research
	ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina)	ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina)	ALEC 681 Seminar ³	ALEC 695 Frontiers of Research	ALEC 681 Seminar
	ALEC 646 Institutions Serving AG in Developing Nations (Pina)	ALEC 681 Seminar ¹	ALEC 695 Frontiers of Research	ALEC 696 Qualitative Research Methods ¹	ALEC 681 Seminar ³
	ALEC 652 Images of Agriculture: Visual Communication Research (Rutherford)	ALEC 695 Frontiers of Research	ALEC 696 Qualitative Research Methods ¹		ALEC 695 Frontiers of Research
	ALEC 681 Seminar (Cummings)	ALEC 696 Qualitative Research Methods ¹			ALEC 696 Qualitative Research Methods ¹
	ALEC 695 Frontiers of Research (Strong)				
	ALEC 696 Qualitative Research Methods (Dooley) ¹				
	ALEC 696 Qualitative Research Methods (Lindner)				

	2013-14	2014-15	2015-16	2016-17	2017-18
Spring Winter Mini-mester	ALEC 640 Methods of Technological Change (Strong) ⁵ – Costa Rica	ALEC 640 Methods of Technological Change (Strong) ⁵ – Costa Rica			
SSI / Summer Mini-mester	Proposed courses ALEC 603 Experiential Learning (Rayfield) ⁴ ALEC 617 Leadership in Organizational Culture & Ethics (Williams) ¹ ALEC 625 Program Evaluation & Organizational Accountability (Elbert) ¹ ALEC 631 Development and Planning of Community Education Programs (Cummings)	Proposed ALEC 603 Experiential Learning ALEC 617 Leadership in Organizational Culture & Ethics ALEC 625 Program Evaluation & Organizational Accountability ¹ ALEC 631 Development and Planning of Community Education Programs	ALEC 603 Experiential Learning ALEC 617 Leadership in Organizational Culture & Ethics ALEC 631 Development and Planning of Community Education Programs	ALEC 603 Experiential Learning ALEC 617 Leadership in Organizational Culture & Ethics ALEC 625 Program Evaluation & Organizational Accountability ¹ ALEC 631 Development and Planning of Community Education Programs	ALEC 603 Experiential Learning ALEC 617 Leadership in Organizational Culture & Ethics ALEC 631 Development and Planning of Community Education Programs
SS II	ALEC 604 Writing for Prof.Publication (Rutherford) ⁵ – Namibia				

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

Updated November 2013

**Agricultural Leadership, Education, and Communications (ALEC)
Graduate Degree Plan Required Research Sequence**

The graduate faculty in ALEC wants to provide you the knowledge and skills to be a consumer and initiator of research. Graduate degrees assume a theoretical perspective, and the ability to conduct research-based inquiry. Degrees requiring original research require more advanced research tools and a knowledge of statistics. If you have previously taken some research coursework, you may proceed through the research sequence taking more advanced courses. If you have no research-related preparation, you may need leveling coursework. Provided below are the minimum requirements for Research Tools courses in the degree programs offered by the department. In addition to the required Research Tools courses, students in each graduate program ordinarily include the ALEC Graduate Seminar, and an appropriate amount of Research, Professional Study, or Internship credit on their Degree Plans. These requirements are summarized in the Table below.

M. Ed. or M. Ag. (3 Hours of Tools)	M. S. (6 Hours of Tools)	Ed. D. (12 Hours of Tools)	Ph. D. (18 Hours of Tools)
ALEC 695	ALEC 695 OR Basic Qual	Basic Quant	Basic Quant
	STAT I	Basic Qual.	Basic Qual.
		STAT I OR STAT II	STAT I
ALEC 684 OR ALEC 693	ALEC 681 (1 hr.)	Advanced Quant.	STAT II
	ALEC 691 (4 hrs.)	ALEC 681 (3 hr.)	Measurement/Instrumentation
			STAT III
		ALEC 684 (6 hrs.)	Interpretation/Analysis
			Writing/Reporting Results
		ALEC 692 (12 hrs.)	ALEC 681 (3 hr.)
			ALEC 691 (12 hrs.)

Notes:

- ALEC 681 (graduate seminar) is a part of our departmental research culture. *All graduate students are encouraged to attend even when not enrolled.*
- A Master of Science student is limited to one 690 course. The STAT series in EDAD or EHRD are 690 courses, so plan accordingly. In addition, there is a limitation to the number of variable course credit (refer to catalog).
- Doctoral students ordinarily include a basic quantitative and qualitative course, two graduate statistics courses, and one or more advanced methods courses matching the methods chosen for their study (quant/qual) in the following areas 1) measurement/instrumentation, 2) interpretation/analysis, and 3) writing/reporting results.

Variable Credit Courses in ALEC

ALEC 681	Seminar
ALEC 684	Professional Internship (M.Ed., M.Ag., EdD)
ALEC 685	Direct Studies
ALEC 691	Research (PhD dissertation and MS thesis)
ALEC 692	Professional Study (EdD Record of Study)
ALEC 693	Professional Study (MEd, M.Ag., Professional Paper)

Approved Statistics Courses

STAT 651 (STAT I)	Statistics in Research I
EDAD/EHRD 690 (STAT I)	Theory of EDAD/EHRD Research-STAT I
EPSY 640 (STAT I)	Experimental Design in Education
STAT 652 (STAT II)	Statistics in Research II
EDAD/EHRD 690 (STAT II)	Theory of EDAD/EHRD Research-STAT II

Approved Research Tools Courses in ALEC

ALEC 604	Writing for Professional Publication
ALEC 620	Instrumentation and Survey Research Methods in Ag Ed
ALEC 621	Online Research Methods
ALEC 622	Data Analysis and Interpretation
ALEC 690	Basic Quantitative Research Methods
ALEC 695	Frontiers in ALEC Research—Required for Masters programs
ALEC 696	Qualitative Research Methods

Other Approved Research Tools Courses by Department

STAT 606	Design of Experiments
STAT 607	Sampling
STAT 609	Order Statistics and Non-Parametric Methods
STAT 636	Methods in Multivariate Analysis
STAT 641	The Methods of Statistics I
STAT 642	The Methods of Statistics II
STAT 653	Statistics in Research III
STAT 659	Applied Categorical Data Analysis
EDAD 623	Advanced Fieldwork Methods (Advanced Qual)
EDAD 690	Theory of EDAD Research—Field Methods (Intro Qual)
EDAD 690	Theory of EDAD Research—Proposal Preparation
EDAD/EHRD 690	Theory of EDAD/EHRD Research—Research Design (STAT III)
EDAD 690	Theory of EDAD Research—Survey Data Analysis
EDCI 636	Educator as Researcher
EDCI 673	Analysis of Teaching Behavior
EHRD 627	Research and Development in EHRD
EHRD 651	Models of Epistemology and Inquiry in EHRD
EHRD 655	Qualitative Research Methods
EHRD 656	Narrative Analysis (Advanced Qual)
EHRD 657	Life History Research (Advanced Qual)
EHRD 690	Theory of EHRD Research—Adult Ed Research Design (Qual)
EHRD 690	Theory of EHRD Research—Literature Review
EPSY 435	Educational Statistics
EPSY 622	Measurement and Evaluation in Research
EPSY 625	Advanced Behavioral Measurement
EPSY 636	Techniques of Research
EPSY 640	Experimental Design in Education I
EPSY 641	Experimental Design in Education II
EPSY 642	Meta-Analysis of Behavioral Research
EPSY 643	Applied Multivariate Methods
COMM 610	Social Science Methods in Communication Research (Quan)
COMM 615	Interpretive Research in Communication (Qual)
KINE 601	Reading Research Publications in Kinesiology
PSYC 623	Standardized Tests and Measurements
PSYC 624	Individual Testing
PSYC 627	Individual Testing of Children and Adolescents
PSYC 671	Experimental Design for Behavioral Scientists
PSYC 672	Factor Analysis for Behavioral Scientists
PSYC 673	Psychometric Theory and Methods
PSYC 674	Covariance Structure Models and Causal Analysis
PSYC 676	Web-Based Data Collection
RPTS 615	Analytic Techniques in RPTS
SOCI 623	Measurement of Sociological Parameters
SOCI 624	Qualitative Methodology (Intro Qual)
SOCI 631	Seminar in Sociological Research
URSC 641	Analytics Methods in Landscape and Urban Research I