

Graduate Faculty Meeting Minutes April 22, 2015, 7:30 am, ASTRAC

Present: Barry Boyd, Gary Briers, Scott Cummings, Kim Dooley, Jack Elliot, Holli Leggette, James Lindner, Billy McKim, Lori Moore, Summer Odom, John Rayfield, Tracy Rutherford, Robert Strong, Tim Murphy, Clarice Fulton

Not Present: James Christiansen, Deb Dunsford, Chanda Elbert, Julie Harlin, Holli Leggette, Theresa Murphrey, Manuel Pina, Jeff Ripley, Glen Shinn, Jennifer Strong, Andy Vestal, Gary Wingenbach

Action/Discussion Items

- 1) Approval of Minutes from the March meeting – Tim Murphy

Motion was made by John Rayfield, Second by Robert Strong, to “Approve the March minutes as distributed.” Motion passed unanimously.

- 2) Graduate Research Course Discussion– Tim Murphy

Open discussion. Several had questions about what are our next steps. What should our students be getting from our courses? What do they need to get from our research courses?

Dr. Elliot reminded all about 3 points – 1) The program review suggested that the research courses need to be reviewed for changes; 2) We do not have the faculty to operate as we have in the past; 3) This review of courses is not personal – look at what we need to do in the future to make our programs the best as possible with the faculty and resources we have now. The proposal is a great start. Thank you Billy for all the hard work you did to develop this proposal!

The outcome of the meeting – To engage outside assistance in a restructuring of the entire graduate program, to include the research sequence. Initial steps include seeking assistance from the CTE, with an expected discussion to take place with CTE by the Fall Semester.

Old Business

New Business

Informational Items

Graduate Faculty Meeting Appendices (provided each month):

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

Travel Request Form Deadlines

| | |
|----------------------------------------|------------------------------------------------|
| Domestic (30 days prior to trip): | e.g. travel July 1, 2015 due by June 1, 2015 |
| International (60 days prior to trip): | e.g. travel August 1, 2015 due by June 1, 2015 |

Upcoming Events/Meetings

| | |
|------------------|-------------------------------------|
| May 19-22, 2015 | National AAAE, San Antonio, TX |
| May 27, 2015 | Departmental Mtg, 2:00 pm, AGLS 129 |
| July 12-15, 2015 | ALE |

Future Graduate Faculty

June 8, 2015, 1:30 pm, AGLS 200
August 25, 2015, 11:45 am, AGLS 129 – Lunch provided

GRE SCORES and PERCENTILE RANKS

| PREV SCORE | NEW SCORE Q | NEW QUANT % | NEW SCORE V | NEW VERBAL % |
|------------|-------------|-------------|-------------|--------------|
| 800 | 166 | 93 | 170 | 99 |
| 790 | 164 | 89 | 170 | 99 |
| 780 | 163 | 87 | 170 | 99 |
| 770 | 161 | 81 | 170 | 99 |
| 760 | 160 | 78 | 170 | 99 |
| 750 | 159 | 75 | 169 | 99 |
| 740 | 158 | 72 | 169 | 99 |
| 730 | 157 | 69 | 168 | 98 |
| 720 | 156 | 65 | 168 | 98 |
| 710 | 155 | 61 | 167 | 97 |
| 700 | 155 | 61 | 166 | 96 |
| 690 | 154 | 57 | 165 | 95 |
| 680 | 153 | 53 | 165 | 95 |
| 670 | 152 | 49 | 164 | 93 |
| 660 | 152 | 49 | 164 | 93 |
| 650 | 151 | 45 | 163 | 91 |
| 640 | 151 | 45 | 162 | 89 |
| 630 | 150 | 41 | 162 | 89 |
| 620 | 149 | 37 | 161 | 87 |
| 610 | 149 | 37 | 160 | 84 |
| 600 | 148 | 33 | 160 | 84 |
| 590 | 148 | 33 | 159 | 81 |
| 580 | 147 | 29 | 158 | 78 |
| 570 | 147 | 29 | 158 | 78 |
| 560 | 146 | 25 | 157 | 73 |
| 550 | 146 | 25 | 156 | 70 |
| 540 | 145 | 22 | 156 | 70 |
| 530 | 145 | 22 | 155 | 66 |
| 520 | 144 | 18 | 154 | 62 |
| 510 | 144 | 18 | 154 | 62 |
| 500 | 144 | 18 | 153 | 58 |
| 490 | 143 | 15 | 152 | 53 |
| 480 | 143 | 15 | 152 | 53 |
| 470 | 142 | 13 | 151 | 49 |
| 460 | 142 | 13 | 151 | 49 |
| 450 | 141 | 11 | 150 | 44 |
| 440 | 141 | 11 | 149 | 40 |
| 430 | 141 | 11 | 149 | 40 |
| 420 | 140 | 8 | 148 | 36 |
| 410 | 140 | 8 | 147 | 32 |
| 400 | 140 | 8 | 146 | 28 |
| 390 | 139 | 6 | 146 | 28 |
| 380 | 139 | 6 | 145 | 24 |
| 370 | 138 | 5 | 144 | 21 |
| 360 | 138 | 5 | 143 | 18 |
| 350 | 138 | 5 | 143 | 18 |
| 340 | 137 | 3 | 142 | 15 |
| 330 | 137 | 3 | 141 | 12 |
| 320 | 136 | 2 | 140 | 10 |
| 310 | 136 | 2 | 139 | 7 |
| 300 | 136 | 2 | 138 | 6 |
| 290 | 135 | 2 | 137 | 5 |
| 280 | 135 | 2 | 135 | 2 |
| 270 | 134 | 1 | 134 | 2 |
| 260 | 134 | 1 | 133 | 1 |
| 250 | 133 | 1 | 132 | 1 |
| 240 | 133 | 1 | 131 | 1 |
| 230 | 132 | 1 | 130 | 0 |
| 220 | 132 | 0 | 130 | 0 |
| 210 | 131 | 0 | 130 | 0 |
| 200 | 131 | 0 | 130 | 0 |

| SCORE | WRITING % |
|-------|-----------|
| 6.0 | 99 |
| 5.5 | 97 |
| 5.0 | 93 |
| 4.5 | 78 |
| 4.0 | 54 |
| 3.5 | 35 |
| 3.0 | 14 |
| 2.5 | 6 |
| 2.0 | 2 |
| 1.5 | 1 |
| 1.0 | 0 |
| 0.5 | 0 |
| 0.0 | 0 |

ALEC Criterion Score Calculation

(GRE-V %ile + GRE-Q %ile + GRE-W %ile) + (last 60 hrs GPR x 100)

Master's Minimum to be considered: 350

Doctoral Minimum to be considered: 400

Old Test 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 - Highly Competitive Scores

Master's Applicants

| GRE-Q | GRE-V | Writing | Last 60 hrs. GPR |
|-------|-------|---------|------------------|
| 26% | 36% | 41% | 3.1 |
| 146 | 148 | 4 | |

Doctoral Applicants

| GRE-Q | GRE-V | Writing | Graduate GPR |
|-------|-------|---------|--------------|
| 26% | 48% | 41% | 3.7 |
| 146 | 151 | 4 | |

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

Department of Agricultural Leadership, Education, & Communications
Graduate Course Rotation

o = odd years; e = even years

| Fall Course and Title | | Steward |
|------------------------------|-------------------------------------------------------------------|----------------|
| ALEC 602 (o, e) | Advanced Instructional Design in Agricultural Science | ?? |
| ALEC 605 (o, e) | Facilitating Complete Secondary Agricultural Science Programs | ?? |
| ALEC 606 (o, e) | Foundations of Leadership 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 |
| ALEC 616 (o, e) | Facilitation of Leadership Programs | Odom |
| 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 | Pina |
| ALEC 631 (o, e) | Development and Planning of Community Education Programs | Cummings |
| 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 | ?? |
| ALEC 604 (o, e) | Writing for Professional Publication | Rutherford |
| ALEC 605 (o, e) | Facilitating Complete Secondary Agricultural Science Programs | ?? |
| ALEC 607 (e) | Youth Leadership Programs (Web-based) | Boyd |
| ALEC 608 (o, e) | Leadership of Volunteers | ?? |
| ALEC 609 (o, e) | Learning Organizations | Moore |
| ALEC 610 (o, e) | Principles of Adult Education (Campus) | 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 625 (o, e) | Program Evaluation & Org Accountability (Campus & Web-based) | Elbert |
| ALEC 630 (o, e) | Guidance and Counseling for Rural Youth | ?? |
| 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 (o, 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 in 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 (Web-based) | Elbert |

This document is intended for planning purposes. Summer course offerings are proposed for approval in the spring semester. All 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, January 2015

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

| | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
|-------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------|
| 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) ¹³ | ALEC 610 Principles of Adult Education (Lindner) ¹ | ALEC 610 Principles of Adult Education ¹ | ALEC 610 Principles of Adult Education ¹ | ALEC 610 Principles of Adult Education ¹ |
| | ALEC 611 Adv Methods in Distance Ed (Dooley) ¹ | ALEC 611 Adv Methods in Distance Ed (Dooley) ¹ | ALEC 611 Adv Methods in Distance Ed ¹ | ALEC 611 Adv Methods in Distance Ed ¹ | ALEC 611 Adv Methods in Distance Ed ¹ |
| | ALEC 615 Philosophy of AGED (Murphy) ² | ALEC 615 Philosophy of AGED (Murphy) | ALEC 615 Philosophy of AGED | ALEC 615 Philosophy of AGED | ALEC 615 Philosophy of AGED |
| | ALEC 616 Facilitation of Leadership Programs (Odom) | ALEC 616 Facilitation of Leadership Programs (Odom) | ALEC 616 Facilitation of Leadership Programs | ALEC 616 Facilitation of Leadership Programs | ALEC 616 Facilitation of Leadership Programs |
| | ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey) | ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey) | 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 |
| | ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey) ¹ | ALEC 621 Methods of Online Survey Research in AGSC (Wingenbach) | ALEC 624 Developing Funded Research Projects | ALEC 623 Survey of Evaluation Strategies for Agriculture ¹ | ALEC 624 Developing Funded Research Projects |
| | ALEC 624 Developing Funded Research Projects-Doctoral only (Pina) | ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey) | ALEC 640 Methods of Technological Change ¹ | ALEC 624 Developing Funded Research Projects | ALEC 640 Methods of Technological Change ¹ |
| | ALEC 640 Methods of Technological Change (Murphrey) ¹ | ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey) | ALEC 644 The Agricultural Advisor in Developing Nations | ALEC 640 Methods of Technological Change ¹ | ALEC 644 The Agricultural Advisor in Developing Nations |
| | ALEC 640 Methods of Technological Change (Strong) | ALEC 623 Survey of Evaluation Strategies for Agriculture (Murphrey) ¹ | ALEC 681 Seminar | ALEC 644 The Agricultural Advisor in Developing Nations | ALEC 681 Seminar |
| | ALEC 644 The Agricultural Advisor in Developing Nations (Pina) | ALEC 624 Developing Funded Research Projects (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 681 Seminar (Murphy)- Theoretical Frameworks | ALEC 640 Methods of Technological Change (Murphrey) ¹ | ALEC 695 Frontiers in Research | ALEC 695 Frontiers in Research | ALEC 695 Frontiers in Research ¹ |
| | ALEC 681 Seminar (Murphrey) | ALEC 644 The Agricultural Advisor in Developing Nations (Pina) | ALEC 695 Frontiers in Research ¹ | ALEC 695 Frontiers in Research ¹ | |
| | ALEC 681 Seminar (Strong) ¹³ | ALEC 681 Seminar (McKim) | | | |
| | ALEC 690 Theory of AGED Research-Basic Quant (Briers) | ALEC 690 Theory of AGED Research-Basic Quant (Briers) | | | |
| | ALEC 695 Frontiers of Research (Rayfield) | ALEC 695 Frontiers in Research (Rayfield) | | | |
| | ALEC 695 Frontiers of Research (Strong) ¹ | ALEC 695 Frontiers in Research (Strong) ¹ | | | |

SPRING REGULAR SEMESTER

| | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
|--|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| | 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 601 Adv Methods in AGED (Murphy) ³ | 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 | ALEC 604 Writing for Professional Publication | ALEC 604 Writing for Professional Publication | ALEC 604 Writing for Professional Publication |
| | ALEC 604 Writing for Professional Publication (McKim) | ALEC 607 Youth Leadership Programs ¹ | ALEC 608 Leadership of Volunteers | ALEC 607 Youth Leadership Programs ¹ | ALEC 608 Leadership of Volunteers |
| | ALEC 608 Leadership of Volunteers (Lockett) | ALEC 608 Leadership of Volunteers | ALEC 612 Adv Instructional Design for Online Learning ¹ | ALEC 608 Leadership of Volunteers | ALEC 612 Adv Instructional Design for Online Learning ¹ |
| | ALEC 609 Learning Organizations (Moore) | ALEC 609 Learning Organizations | ALEC 613 Techniques in eLearning Dev & Delivery ¹ | ALEC 609 Learning Organizations | ALEC 613 Techniques in eLearning Dev & Delivery ¹ |
| | ALEC 612 Adv Instructional Design for Online Learning (Murphrey) ¹ | ALEC 612 Adv Instructional Design for Online Learning ¹ | ALEC 622 Data Collection, Analysis, & Interpretation | ALEC 612 Adv Instructional Design for Online Learning ¹ | ALEC 622 Data Collection, Analysis, & Interpretation |
| | ALEC 613 Techniques in eLearning Dev & Delivery (Strong) ¹ | ALEC 613 Techniques in eLearning Dev & Delivery ¹ | ALEC 624 Developing Funded Research Projects-Masters only (Pina) | ALEC 613 Techniques in eLearning Dev & Delivery ¹ | ALEC 624 Developing Funded Research Projects-Masters only (Pina) |
| | ALEC 620 Instrumentation & Survey Research Methods (Lindner) | ALEC 620 Instrumentation & Survey Research Methods (Lindner) | ALEC 625 Program Evaluation & Organizational Accountability ¹ | ALEC 620 Instrumentation & Survey Research Methods (Lindner) | ALEC 625 Program Evaluation & Organizational Accountability ¹ |
| | ALEC 622 Data Collection, Analysis, & Interpretation (Briers) | ALEC 622 Data Collection, Analysis, & Interpretation | ALEC 625 Program Evaluation & Organizational Accountability | ALEC 622 Data Collection, Analysis, & Interpretation | ALEC 625 Program Evaluation & Organizational Accountability |
| | 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 | ALEC 624 Developing Funded Research Projects-Masters only (Pina) | ALEC 630 Guidance & Counseling for Rural Youth |
| | ALEC 625 Program Evaluation & Organizational Accountability (Cummings) | ALEC 625 Program Evaluation & Organizational Accountability ¹ | ALEC 641 The Transfer of Technology by Institutions | ALEC 625 Program Evaluation & Organizational Accountability ¹ | ALEC 641 The Transfer of Technology by Institutions |
| | ALEC 625 Program Evaluation & Organizational Accountability (Elbert) ¹ | ALEC 625 Program Evaluation & Organizational Accountability | ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV | ALEC 625 Program Evaluation & Organizational Accountability | ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV |
| | ALEC 630 Guidance & Counseling for Rural Youth (Larke) | ALEC 630 Guidance & Counseling for Rural Youth | ALEC 652 Images of Agriculture: Visual Communication Research | ALEC 630 Guidance & Counseling for Rural Youth | ALEC 652 Images of Agriculture: Visual Communication Research |
| | ALEC 640 Methods of Technological Change (Murphrey) ¹ | ALEC 640 Methods of Technological Change ¹ | ALEC 681 Seminar | ALEC 640 Methods of Technological Change ¹ | ALEC 681 Seminar |
| | ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina) | ALEC 641 The Transfer of Technology by Institutions | ALEC 681 Seminar ³ | ALEC 641 The Transfer of Technology by Institutions | ALEC 681 Seminar ³ |
| | ALEC 652 Images of Agriculture: Visual Communication Research (Rutherford) | ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina) | ALEC 695 Frontiers of Research | ALEC 645 Initiating, Managing & Monitoring Projects of International ADEV (Pina) | ALEC 695 Frontiers of Research |
| | ALEC 681 Seminar (Wingenbach)-Intrl | ALEC 646 Institutions Serving AG in Developing Nations | ALEC 696 Qualitative Research Methods ¹ | ALEC 646 Institutions Serving AG in Developing Nations | ALEC 696 Qualitative Research Methods ¹ |
| | ALEC 695 Frontiers of Research (Strong) | ALEC 681 Seminar ³ | | ALEC 681 Seminar | |
| | ALEC 695 Frontiers of Research (Odom) ¹ | ALEC 695 Frontiers of Research | | ALEC 695 Frontiers of Research | |
| | ALEC 696 Qualitative Research Methods (Dooley) ¹ | ALEC 696 Qualitative Research Methods ¹ | | ALEC 696 Qualitative Research Methods ¹ | |
| | ALEC 696 Qualitative Research Methods (Lindner) | | | | |

| | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Spring Winter Mini-mester | ALEC 640 Methods of Technological Change (Strong, Harlin) ⁵ – Costa Rica | ALEC 640 Methods of Technological Change (Strong) ⁵ – Costa Rica | | | |
| SSI / Summer Mini-mester | <p>Proposed ALEC 603 Experiential Learning (Rayfield)⁴</p> <p>ALEC 604 Writing for Professional Publication (McKim)</p> <p>ALEC 610 Principles of Adult Education (Lindner)⁴</p> <p>ALEC 617 Leadership in Organizational Culture & Ethics (Williams)¹</p> <p>ALEC 625 Program Evaluation & Organizational Accountability (Elbert)¹</p> <p>ALEC 631 Development and Planning of Community Education Programs (Cummings)</p> <p>ALEC 640 Methods of Technological Change (Strong)</p> <p>ALEC 681 Seminar (Murphrey)</p> <p>ALEC 681 Seminar (McKim)¹</p> <p>ALEC 695 Frontiers of Research (McKim)</p> | <p>ALEC 603 Experiential Learning</p> <p>ALEC 617 Leadership in Organizational Culture & Ethics</p> <p>ALEC 625 Program Evaluation & Organizational Accountability¹</p> <p>ALEC 631 Development and Planning of Community Education Programs</p> | <p>ALEC 603 Experiential Learning</p> <p>ALEC 617 Leadership in Organizational Culture & Ethics</p> <p>ALEC 631 Development and Planning of Community Education Programs</p> | <p>ALEC 603 Experiential Learning</p> <p>ALEC 617 Leadership in Organizational Culture & Ethics</p> <p>ALEC 625 Program Evaluation & Organizational Accountability¹</p> <p>ALEC 631 Development and Planning of Community Education Programs</p> | <p>ALEC 603 Experiential Learning</p> <p>ALEC 617 Leadership in Organizational Culture & Ethics</p> <p>ALEC 631 Development and Planning of Community Education Programs</p> |
| 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

**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 | Basic Quant 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 I |
| STAT 652 (STAT II) | Statistics in Research II |
| EDAD/EHRD 690 (STAT II) | Theory of EDAD/EHRD Research-STAT II |
| EPSY 641 (STAT II) | Experimental Design in Education II |

Approved Research Tools Courses in ALEC

| | |
|----------|----------------------------------------------------------|
| ALEC 604 | Writing for Professional Publication |
| ALEC 620 | Instrumentation and Survey Research Methods in Ag Ed |
| 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 |

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 |