

**College of Agricultural and Life Sciences
Proposed Catalog Changes
Effective Summer 2018**

Agricultural and Extension Education

1. Add the following courses:

AgEd 251 Principles of Agricultural Communications and Leadership (3 cr)

This course prepares individuals to serve in leadership and communication roles in agriculture. Course topics will include an examination of the journalistic, communication and broadcasting principles to develop and disseminate agricultural information, along with leadership principles related to leadership theory and personal leadership development.

Available via distance: Yes

Geographical Area: Moscow, Twin Falls - CSI

Rationale: This course fills a gap in our ASCL curriculum. We have advanced leadership and communications course work- but not any 200/300 level courses. This course will be preparatory for AGED 450 (Developing Leaders) and AGED 451 (Communicating in Agriculture). There will be minimal additional workload- the department has been teaching directed studies to give students this content.

AgEd 350 Leadership Event Coordination (1 cr)

This course introduces students to the planning and implementation of leadership activities for the FFA - Career & Technical Student Organization. Students will use leadership, communications, and teambuilding skills to plan leadership and career development events (CDE/LDE), awards ceremonies, educational workshops, and stakeholder activities as part of the Idaho FFA State Leadership Conference (travel required). Students will collaborate with stakeholder groups including the Idaho FFA Association, Idaho FFA Alumni, Idaho FFA Foundation, Idaho Agriculture Teachers Association (IATA), and the Idaho Division of Career and Technical Education.

Available via distance: Yes

Geographical Area: Twin Falls

Rationale: This course has been taught for 3 years as an AGED 498 internship, but has been run as a regular course with class meetings and assignments related to the planning and facilitation of the State FFA State Leadership Conference. The intent of making it a regular course is to formalize the experience, have a regularly scheduled class time, and reflect appropriately on student's transcripts.

2. Change the following courses:

AgEd J450/J550 Developing Leaders (23 cr)

An action-oriented, participatory examination of aspects of 'leadership.' Designed to stir students' excitement about becoming leaders in school, home, and community; help students develop enthusiasm and interest in focusing on their vision for the future; individual and group activities allow students to identify their leadership philosophy, enhance their strengths, and improve on their weaknesses. Additional projects/assignments reqd for grad cr. [Recommended Preparation: AGED 250.](#) (Alt/yr, Spring only)

Available via distance: Yes

Geographical Area: Moscow, Twin Falls - CSI

Rationale: The addition of the recommended preparation AGED 250 is to ensure that students are adequately prepared for this upper division course. The addition of “out of class” assignments and experiences as well as leadership opportunities provided at community events justifies the additional credit.

AgEd 451 Communicating in Agriculture (3 cr)

Principles and practices of disseminating knowledge and information related to agricultural sciences, environment, and natural resources to clients and the general public; communications concepts, technology, and presentation skills that will help agricultural and natural resource professionals communicate effectively within their chosen profession. [Recommended Preparation: AGED 250.](#)
(Alt/yrs, spring only)

Available via distance: Yes

Geographical Area: Moscow, Twin Falls - CSI

Rationale: The course is taught every spring due to increasing student numbers. The addition of the recommended preparation AGED 250 is to ensure that students are adequately prepared for this upper division course.

3. Make the following curricular changes to the **Major in Agricultural Education (B.S.Ag.Ed.)**:

AGED 180	Introduction to Agricultural Education	1 cr
AGED 258	Experiential Learning and SAE Programs	1 cr
AGED 351	Principles and Philosophies of Career and Technical Education	3 cr
AGED 358	Supervising FFA and SAE Programs	3 cr
AGED 451	Communicating in Agriculture	3 cr
AGED 452	Methods of Teaching Agriculture	4 cr
AGED 453	Program Planning and Evaluation in Secondary Agricultural Education	3 cr
AGED 454	Facilities Organization and Management	2 cr
AGED 460	Practicum: Secondary School Teaching in Agriculture	10 cr
AGED 470	Proseminar in Agricultural Education	1 cr
AGED 471	Senior Capstone in Agricultural Education	1 cr
ASM 107	Beginning Welding	2 cr
ASM 202	Agricultural Shop Practices	2 cr
ASM 210	Small Engines	2 cr
ASM 407	Advanced Welding	1 cr
BIOL 115	Cells & the Evolution of Life	3 cr
BIOL 115L	Cells and the Evolution of Life Laboratory	1 cr
COMM 101	Fundamntls Public Speaking	2 cr
ECON 202	Principles of Microeconomics	3 cr
EDCI 201	Contexts of Education	3 cr
EDCI 301	Lrng, Dvlpmnt, & Assessment	3 cr
EDCI 463	Literacy Methods for Content Learning	3 cr
EDSP 300	Educating for Exceptionalities	3 cr
PSYC 101	Introduction to Psychology	3 cr

EDCI 302	Teaching Culturally Diverse Learners	4 cr
EDCI 410	Technology, Teaching and Learning	2 cr

Electives (25 cr)

Must include a minimum of

Agricultural Economics Electives	6 cr
Animal Science Electives	6 cr
Plant Science Electives	6 cr
Horticulture Elective	3 cr
Soils Elective	4 cr

One of the following (4 cr):

CHEM 101	Introduction to Chemistry I	4 cr
CHEM 111	Principles of Chemistry I	4 cr

One of the following (3 cr):

ENGL 313	Business Writing	3 cr
ENGL 317	Technical Writing	3 cr

One course from the following (3-4 cr):

MATH 137	Algebra with Applications	3 cr
MATH 143	Pre-calculus Algebra and Analytic Geometry	3 cr
MATH 160	Survey of Calculus	4 cr
MATH 170	Analytic Geometry and Calculus I	4 cr

One of the following (4 cr):

PHYS 100	Fundamentals of Physics	3 cr
	AND	
PHYS 100L	Fundamentals of Physics Lab	1 cr

OR

PHYS 111	General Physics I	3 cr
	AND	
PHYS 111L	General Physics I Lab	1 cr

Courses to total 128 credits for this degree

Available via distance: Yes

Geographical Area: Moscow

Rationale: The addition of the EDCI courses (302 & 410) will bring the AgEd degree program into compliance with the teacher education program in the college of Education. The PSYC course was required because teacher candidates should have a working knowledge of psychology to be effective teachers. The EDCI 302 course has topics related to developmental psychology and human development that meet this need. The EDCI 410 course includes topics related to technologies useful in classroom teaching, an area that is lacking in the current degree program. There is no current rationale for ENGL 313/317 being

included in the degree program; it appears to have been a change many years ago that is not currently justified. Students obtain these skills through a combination of their current courses through writing assignments, lesson plan writing etc.

4. Make the following changes to the **Major in Agricultural and Life Science (B.S.Ag.L.S.)**:

Agricultural and Life Science Core

AGEC 278	Farm and Agribusiness Management	4 cr
AGED 406	Exploring International Agriculture	3 cr
AGED 451	Communicating in Agriculture	3 cr
BIOL 115	Cells & the Evolution of Life	3 cr
BIOL 115L	Cells and the Evolution of Life Laboratory	1 cr
SOIL 205	The Soil Ecosystem	3 cr
SOIL 206	The Soil Ecosystem Lab	1 cr
COMM 101	Fundamntls Public Speaking	2 cr
ECON 202	Principles of Microeconomics	3 cr

One of the following (4cr):

CHEM 101	Introduction to Chemistry I	4 cr
CHEM 111	Principles of Chemistry I	4 cr

One of the following (3-4cr):

MATH 143	Pre-calculus Algebra and Analytic Geometry	3 cr
MATH 160	Survey of Calculus	4 cr
MATH 170	Analytic Geometry and Calculus I	4 cr

One of the following (3-4cr):

ENGL 207	Persuasive Writing	3 cr
ENGL 313	Business Writing	3 cr
ENGL 316	Environmental Writing	3 cr
ENGL 317	Technical Writing	3 cr
ENGL 318	Science Writing	3 cr

Agricultural Science, Communication and Leadership Courses

ACCT 201	Introduction to Financial Accounting	3 cr
AGEC 289	Agricultural Markets and Prices	3 cr
AGED 180	Introduction to Agricultural Education	1 cr
AGED 251	Principles of Agricultural Communications and Leadership	3 cr
AGED 450	Developing Leaders	2 cr

5-10 credits required:

AGED 498	Internship	1-10 cr - Max 10 cr
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Upper-Division Agricultural Economics elective (3 cr):

AGEC	Upper-Division Agricultural Economics Elective	3 cr
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One of the following (20 cr)**Ten credits in two different subject areas chosen from:**

Agricultural System Management (ASM)
 Animal and Veterinary Science (AVS)
 Entomology (ENT)
 Family and Consumer Science (FCS)
 Food Science (FS)
 Plant Science (PLSC)
 Soils (SOIL)

OR**Fifteen credits in one subject area chosen from:**

Agricultural System Management (ASM)
 Animal and Veterinary Science (AVS)
 Entomology (ENT)
 Family and Consumer Science (FCS)
 Food Science (FS)
 Plant Science (PLSC)
 Soils (SOIL)

AND Five credits from a Foreign Language.

Communication Electives including one upper-division course (12 cr):

COMM 233	Interpersonal Communication	3 cr
COMM 332	Communication and the Small Group	3 cr
COMM 410	Conflict Management	3 cr
COMM 431	Applied Business and Professional Communication	3 cr
EDCI 410	Technology, Teaching and Learning	2 cr
JAMM 100	Media and Society	3 cr
JAMM 121	Media Writing	3 cr
JAMM 252	Introduction to Integrated Media Campaigns	3 cr

Leadership Electives (12 cr):

AGED 181	Introduction to Extension Education	1 cr
AGED 252	Developing Community and Collegiate Organizations	3 cr
AGED 359	Developing 4-H Youth Programs	2 cr
AGED 448	Foundations of Extension Education	2 cr
MHR 311	Introduction to Management	3 cr
MHR 413	Organizational Behavior	3 cr
MHR 418	Managing Organization Design and Leading Changes	3 cr
NRS 311	Public Involvement in Natural Resource Management	3 cr
MS 101	Intro to the Army & Critical Thinking	1 cr
MS 102	Intro to the Profession of Arms	1 cr
MS 201	Foundations of Leadership I	2 cr
MS 202	Foundations of Leadership II	2 cr
REC 254	Camp Leadership in Recreation and Sport	3 cr

Courses to total 120 credits for this degree

Available via distance: No

Geographical Area: Moscow

Rationale: The addition of the EDCI courses (302 & 410) will bring the AgEd degree program into compliance with the teacher education program in the college of Education. The PSYC course was required because teacher candidates should have a working knowledge of psychology to be effective teachers. The EDCI 302 course has topics related to developmental psychology and human development that meet this need. The EDCI 410 course includes topics related to technologies useful in classroom teaching, an area that is lacking in the current degree program. There is no current rationale for ENGL 313/317 being included in the degree program; it appears to have been a change many years ago that is not currently justified.

Agricultural Economics and Rural Sociology

1. Add the following course:

AgEc 385 Environmental Economics (3 cr)

Same as Econ 385. Theory of externalities and public goods, and application of economic principles to environmental issues.

Prereq: Econ 202 or 272 or Permission

Available via distance: No

Geographical Area: Moscow

Rationale: The economic and political environment of today requires economic training in environmental issues. This course will allow our students to be more prepared to address the challenging environmental problems from an economic perspective. Cross-listing this course with Econ will provide greater visibility for the course and lead to increased enrollments. Interaction between students in economics and agricultural economics will lead to improved learning outcomes by increasing the diversity of student background and experience. The course content is very appropriate for majors/minors in both departments.

2. Change the following courses:

AgEc 451 Applied Environmental and Natural Resource Economics (3 cr)

[Same as Econ 451.](#) Economic analysis of current issues pertaining to environmental and natural resources. Economic tools will be applied in the contexts of climate change, valuation of the environment, sustainable development, energy, water, environmental risk, etc. Specific cases used to describe economic theories and tools used by experts working in the field.

Prereq: [AgEc 301 or AgEc 302, or Econ 351 or Econ 352, or by Permission.](#) ~~AgEc 301, AgEc 302, or Econ 385; or Permission~~

Available via distance: No

Geographical Area: Moscow

Rationale: The economic and political environment of today requires economic training in environmental issues. Cross-listing this course with Econ will provide greater visibility for the course and lead to increased enrollments. Interaction between students in economics and agricultural economics will lead to improved learning outcomes by increasing the diversity of student background and experience. The course content is very appropriate for majors/minors in both departments.

AgEc J486/J586 Regional Economic Development Theory (3 cr)

[AgEc 486 same as Econ 486](#). Theory course in the explanation and causes of regional economic growth and community development. Topics include land economics, transportation models, central place theory, location theory, agglomeration, economic base theory, and economic growth theory. Additional projects/assignments required for graduate credit. Recommended Preparation: Introductory Microeconomics and Macroeconomics or Introduction to Bioregional Planning. (Spring only)

Available via distance: No

Geographical Area: Moscow

Rationale: Cross-listing this course with Econ will provide greater visibility for the course and lead to increased enrollments. Interaction between students in economics and agricultural economics will lead to improved learning outcomes by increasing the diversity of student background and experience. The course content is very appropriate for majors/minors in both departments.

3. Reactivate and change the following course:

AgEc 417 Risk Management in Agriculture (1 cr)

Identification of risks facing agricultural based firms. Assessment of risk management tools and strategies (e.g. agriculture insurance programs and enterprise diversification) as applied to decision making. ~~Five week course.~~ Three hours of lec per week. (Spring Only)

Prereq: AgEc 278, and AgEc 301 or AgEc 302

Available via distance: No

Geographical Area: Moscow

Rationale: This course is on the inactive list; we wish to make the course active again. AERS has increased involvement by faculty and students in the Barker Trading Program and we have expanded course offerings related to agricultural commodity trading. Complementary to trading is the concept of managing risk. Reactivating this class is a natural extension in our efforts to expand the trading focus of our curriculum. Beyond that, this course would serve students well who want to make agriculture their career, regardless of their interest in commodity marketing. Thus, the course will have a wide appeal. Finally, a new faculty member in our department is qualified to teach the course and support the growing interest in risk management and related topics.