

College of Agriculture and Life Sciences

2012-2013

November 21, 2011

I. SIGNIFICANT TRENDS:

Continued increases in enrollment have put pressures on course availability and laboratory classes. Finding sufficient large classrooms has become a challenge. The number of students enrolled in on-line course offerings has increased. The college continues to see increased numbers of international students at both the undergraduate and graduate level. The number of women enrolling in agriculture and life sciences programs is increasing.

The insect science undergraduate major is in the process of being eliminated. The insect science undergraduate minor will remain.

II. CURRICULA, MAJORS, MINORS ADDED OR DROPPED:

Majors Added: NONE

Minors Added: NONE

Certificates Added: NONE

Majors, Minors, Certificates Dropped: NONE

III. NEW COURSES:

NOTE: The appropriateness of including AE and BSE courses in the CALS report is being debated.

Agricultural Engineering (Note: AE included with ENGR in previous years, this year with CALS)

A E 490W Waste Engineering. Cr. 1-4.

A E 580 Engineering Analysis of Biological Systems. (3-0). Cr. 3.

Agricultural Education and Studies

AGEDS 465 Horticulture Enterprise Management (cross-listed with HORT) (1-6) Cr. 3

Agronomy

AGRON 217 Weed Identification (0-3) Cr. 1

AGRON 488 GIS for Geoscientists II (Dual-listed with 588) (Cross-listed with GEOL, ENSCI) (2-2) Cr. 3

AGRON 588 GIS for Geoscientists II (Dual-listed with 488) (Cross-listed with GEOL, ENSCI) (2-2) Cr. 3

Animal Science

None

Biochemistry, Biophysics, and Molecular Biology

None

Biological Systems Engineering (Note: BSE included with ENGR in previous years, this year with CALS)

BSE 490B Biorenewable Resources Engineering. Cr. 1-4.

BSE 490E Environmental Bioprocessing. Cr. 1-4.

BSE 490G General Biosystems Engineering Topics. Cr. 1-4.
BSE 490H Honors. Cr. 1-4.
BSE 490F Food Engineering. Cr. 1-4. (Change from AE 490F).

Economics

None

Entomology

None

Food Science and Human Nutrition

FS HN 408 Dairy Products Evaluation (0-3) Cr. 1.
FS HN 521 Microbiology of Food (2-0) Cr. 2.
FS HN 522 Advanced Food Microbiology and Biotechnology (2-0) Cr. 2.
FS HN 523 A Multidisciplinary Overview of Food Safety and Security (2-0) Cr. 2.
FS HN 524 Food Microbiology (3-0) Cr. 3.
FS HN 525 Principles of HACCP (2-0) Cr. 2.
FS HN 526 Ethnic Foods: Food Safety, Food Protection and Defense (2-0) Cr. 2.
FS HN 527 Microbiology of Fermented Foods (2-0) Cr. 2.
FS HN 528 Food Protection and Defense-Essential Concepts (2-0) Cr. 2.

Forestry

None

Genetics, Development and Cellular Biology

None

Globe

None

Horticulture

HORT 225 Spanish for Horticulture (3-0) Cr. 3.
HORT 465A Horticulture Enterprise Management – Planting (1-6) Cr. 3.
HORT 465B Horticulture Enterprise Management – Harvesting (1-6) Cr. 3.
HORT 465C Horticulture Enterprise Management – Marketing (1-6) Cr. 3.
HORT 494A Service Learning – International Cr. -
HORT 494B Service Learning – Domestic Cr. -

Microbiology

None

Natural Resource Ecology Management

NREM 315 Genetics for Natural Resource Managers (3-0) Cr. 3.
NREM 598 Natural Resource Ecology and Management Teaching Practicum (-) Cr. 1.
NREM 698 Natural Resource Ecology and Management Teaching Practicum (-) Cr. 1.

Plant Pathology

None

Sociology

None

Sustainable Agriculture

None

Technology Systems Management

None

IV. COURSES DROPPED:

Agricultural Engineering

A E 490B Independent Study, Biosystems Engineering. Cr. 1-4. Repeatable.

A E 490E Independent Study, Environmental Systems. Cr. 1-4. Repeatable.

A E 490F Food Engineering. Cr. 1-4. (Change to BSE 490F).

A E 490R Independent Study, Process Engineering. Cr. 1-4. Repeatable.

A E 490U Independent Study, Waste Management. Cr. 1-4. Repeatable.

Agricultural Education and Studies

None

Agronomy

AGRON 259

AGRON 491

AGRON 565 Professional Practices in Science and Engineering

AGRON 565A Responsible Conduct of Research. (Cr. 1.0)

AGRON 565B Working with Industry. (Cr. 0.5)

AGRON 565C Communications in Science. (Cr. 0.5)

AGRON 565D Time Management and Mentoring(Cr. 0.5)

AGRON 565E The Interview Process(Cr. 0.5)

AGRON 565F Grant Writing. (Cr. 1.0)

AGRON 565G Teaching. (Cr. 0.5)

AGRON 565S Ethical and legal issues in research

Animal Science

ANS 565 Professional Practices in Science and Engineering

ANS 565A Responsible Conduct of Research. (Cr. 1.0)

ANS 565B Working with Industry. (Cr. 0.5)

ANS 565C Communications in Science. (Cr. 0.5)

ANS 565D Time Management and Mentoring(Cr. 0.5)

ANS 565E The Interview Process(Cr. 0.5)

ANS 565F Grant Writing. (Cr. 1.0)

ANS 565G Teaching. (Cr. 0.5)

ANS 565S Ethical and legal issues in research

Biochemistry, Biophysics, and Molecular Biology

BBMB 565 Professional Practices in Science and Engineering

BBMB 565A Responsible Conduct of Research. (Cr. 1.0)

BBMB 565B Working with Industry. (Cr. 0.5)

BBMB 565C Communications in Science. (Cr. 0.5)

BBMB 565D Time Management and Mentoring(Cr. 0.5)

BBMB 565E The Interview Process(Cr. 0.5)

BBMB 565F Grant Writing. (Cr. 1.0)

BBMB 565G Teaching. (Cr. 0.5)

BBMB 565S Ethical and legal issues in research

Biological Systems Engineering (Note: BSE included with ENGR in previous years, this year with CALS)

None

Economics

None

Entomology

Technical Lecture (Cr. R).

Food Science and Human Nutrition

None

Forestry

None

Genetics, Development and Cellular Biology

None

Globe

None

Horticulture

HORT 224 Contemporary Issues in the Green Industry (3-0) Cr. 3

HORT 446 Landscape Contracting and Estimating (2-0) Cr. 2.

HORT 491 Seed Science Internship Experience (cross-listed with AGRON, TSM) Cr. 1-2.

HORT 565 Professional Practices in Science and Engineering

HORT 565A Responsible Conduct of Research. (Cr. 1.0)

HORT 565B Working with Industry. (Cr. 0.5)

HORT 565C Communications in Science. (Cr. 0.5)

HORT 565D Time Management and Mentoring(Cr. 0.5)

HORT 565E The Interview Process(Cr. 0.5)

HORT 565F Grant Writing. (Cr. 1.0)

HORT 565G Teaching. (Cr. 0.5)

HORT 565S Ethical and legal issues in research

Microbiology

MICRO 565 Professional Practices in Science and Engineering

MICRO 565A Responsible Conduct of Research. (Cr. 1.0)

MICRO 565B Working with Industry. (Cr. 0.5)

MICRO 565C Communications in Science. (Cr. 0.5)

MICRO 565D Time Management and Mentoring(Cr. 0.5)

MICRO 565E The Interview Process(Cr. 0.5)

MICRO 565F Grant Writing. (Cr. 1.0)

MICRO 565G Teaching. (Cr. 0.5)

MICRO 565S Ethical and legal issues in research

Natural Resource Ecology Management

A ECL 698 Animal Ecology Teaching Practicum (cr. Arr.)

Plant Pathology

PL P 565 Professional Practices in Science and Engineering

PL P 565A Responsible Conduct of Research. (Cr. 1.0)

PL P 565B Working with Industry. (Cr. 0.5)

PL P 565C Communications in Science. (Cr. 0.5)

PL P 565D Time Management and Mentoring(Cr. 0.5)

PL P 565E The Interview Process(Cr. 0.5)

PL P 565F Grant Writing. (Cr. 1.0)

PL P 565G Teaching. (Cr. 0.5)

PL P 565S Ethical and legal issues in research

Sociology

None

Sustainable Agriculture

None

Technology Systems Management

None

V. NUMBER, CREDIT, AND TITLE CHANGES:**Agricultural Engineering (Note: AE included with ENGR in previous years, this year with CALS)**

A E 490F Food Engineering. Cr. 1-4. (Change to BSE 490F).

Agricultural Education and Studies

None

Agronomy

AGRON 509 Title change from "Agroecosystem Analysis" to "Agroecosystems Analysis"

AGRON 509 Credit change from Cr. 3 to Cr. 4

AGRON 529 Title change from "Publishing in Plant Science Journals" to "Publishing in Biological Sciences Journals"

AGRON 529 Credit change from Cr. 2 to Cr. 3.

Animal Science

ANS 311 Career Preparation in Animal Science (0-2) Cr. 1 (number change to ANS 210).

Biochemistry, Biophysics, and Molecular Biology

None

Biological Systems Engineering (Note: BSE included with ENGR in previous years, this year with CALS)

BSE 490F Food Engineering. Cr. 1-4. (Changed from A E 490F).

Economics

None

Entomology

ENT 490U Title change from "Laboratory teaching experience. For students registering to be undergraduate laboratory assistants" to "Laboratory teaching experience"

Food Science and Human Nutrition

FS HN 351 Title change from "Unit Operations in Food Processing" to "Introduction to Food Engineering Concepts"

FS HN 471 Title change from "Food Processing" to "Food Processing I"

FS HN 472 Title change from "Food Processing Laboratory" to "Food Processing II"

FS HN 572 Title change from "Food Processing Laboratory" to "Food Processing II"

FS HN 412 Food Product Development change from Cr. 4 to Cr. 3

FS HN 472 Food Processing Laboratory change from Cr. 2 to Cr. 3.

FS HN 512 Food Product Development change from Cr. 4 to Cr. 3

FS HN 572 Food Processing Laboratory change from Cr. 2 to Cr. 3.

Forestry

None

Genetics, Development and Cellular Biology

None

Globe

None

Horticulture

HORT 221 Title change from “Principles of Horticulture” to “Principles of Horticulture Science”

HORT 342 Title change from “Landscape Installation and Establishment” to “Landscape Plant Installation, Establishment, and Maintenance”

HORT 342 Credit change from Cr. 2 to Cr. 3

HORT 442 Title change from “Nursery Production and Management” to “Nursery Production and Garden Center Management”

HORT 529 Credit change from Cr. 2 to Cr. 3

Microbiology

MICRO 381 Title change from “Environmental Systems I. Introduction to Environmental Systems” to “Environmental Systems I. Introduction to Environmental Systems”

MICRO 381 Credit change from Cr. 3 to Cr. 3-4

MICRO 402 Title change from “Microbial Genetics” to “Microbial Genetics and Genomics”

MICRO 450 Credit change from Cr. 1 to Cr. 2

MICRO 502 Title change from “Microbial Genetics” to “Microbial Genetics and Genomics”

Natural Resource Ecology Management

NREM 305 Seminar. Credit change from Cr. 1 to Cr. 1-3

NREM 330 Title change from “Interpretation of Natural Resources” to “Principles of Interpretation”

NREM 505 Seminar. Credit change from Cr. 1 to Cr. 1-3

NREM 529 Publishing in Biological Sciences Journals. Credit change from Cr. 2 to Cr. 3 (course managed by HORT)

Plant Pathology

None

Sociology

SOC 464 Title change from “Community Action and Leadership” to “Strategies for Community Engagement”

SOC 509 Title change from “Agroecosystem Analysis” to “Agroecosystems Analysis”

SOC 509 Credit change from Cr. 3 to Cr. 4

SOC 613 Title change from “Advanced Theory Construction and Causal Modeling” to “Structural Equation Models for Social and Behavioral Research”

Sustainable Agriculture

SUSAG 509 Title change from “Agroecosystem Analysis” to “Agroecosystems Analysis”

Technology Systems Management

TSM 415 Technology Capstone I. Credit change from Cr. 2 to Cr. 3

TSM 416 Technology Capstone II. Credit change from Cr. 2 to Cr. 3

VI. COURSES ADDED FOR NONMAJOR GRADUATE CREDIT

None

VII. COURSES DROPPED FOR NONMAJOR GRADUATE CREDIT

None

VIII. SUMMARY OF CHANGES:

Note: a cross-listed course should be counted only once - with the "primary" department or program. So in Section III New Courses and Section IV Courses Dropped, a cross-listed course should be listed only once.

DEPT	Add	Drop	Change Course Number/Same Department	Credit	Title
A E	2	4			
AGEDS	1				
AGRON	3	11		2	2
AN S		9	1		
BBMB		9			
BSE	4				
ECON					
ENT		1			1
FOR					
FS HN	9			4	4
GDCB					
GLOBE					
HORT	6	12		2	3
MICRO		9		2	3
NREM	3	1		3	1
PL P		3			
SOC				1	3
SUSAG					1
TSM				2	
	28	59	1	16	18

IX. Changes since Proposed Departmental Changes for General Review

X. JUSTIFICATION FOR NEW COURSES

See attached Excel Spreadsheet