Interdisciplinary Programs
2009-2011

I. SIGNIFICANT TRENDS:

This catalog continues the trend of new interdisciplinary programs that are particularly interested in online offerings and/or certificate offerings. Since the last catalog, four graduate certificates listed below have been added to the graduate curriculum.

Multi-university consortia courses are still popular as seen by several new courses added in the Community Development program (as a part of the Great Plains IDEA consortium).

II. CURRICULA, MAJORS, MINORS ADDED OR DROPPED:

Rename: Major in Plant Physiology to Plant Biology

Graduate Certificates Added**:** Biorenewable Resources and Technology, Food Safety and Defense, Graduate Student Teaching, and Teaching of English as a Second Language

III. NEW COURSES:

Biorenewable Resources & Technology
BRT 535 Thermochemical Processing of Biomass. (3-0). Cr. 3.

Community Development
C DEV 512 Sustainable Communities. (3-0). Cr. 3.
C DEV 513 Economic Development Strategies and Programs. (3-0). Cr. 3.
C DEV 514 Impact Analysis. (1-0). Cr. 1.
C DEV 515 Cost Benefit Analysis. (1-0). Cr. 1.
C DEV 516 Local Economic Analysis. (1-0). Cr. 1.
C DEV 520 Orientation in Community Development. (1-0). Cr. 1.
C DEV 522 Community Leadership and Capacity Building. (3-0). Cr. 3.
C DEV 523 Grantwriting for Community Development Professionals. (3-0). Cr. 3.
C DEV 524 Non-Profit Management in Community Development. (3-0). Cr. 3.
C DEV 542 The Policy and Politics of Coastal Areas. (3-0). Cr. 3.

Ecology & Evolutionary Development
EEB 511 Conceptual Foundations in Ecology and Evolutionary Biology. (3-2). Cr. 4.

Environmental Science
ENSCI 110 Orientation to Environmental Science. (1-0). Cr. 1.
ENSCI 250 Environmental Geography. (3-0). Cr. 3.
ENSCI 382 Environmental Systems II: Analysis of Environmental Systems. (2-4). Cr. 4. Nonmajor Graduate Credit.
ENSCI 496 Travel Course. Cr. arr. Repeatable.
ENSCI 498 Cooperative Education. Cr. R. Repeatable.
ENSCI 582 Environmental Systems II: Analysis of Environmental Systems. (2-4). Cr. 4.

Graduate Studies
GR ST 697 Curricular Practical Training. Cr. R. Repeatable.

Human Computer Interaction
HCI 575 Computational Perception. (3-0). Cr. 3.
HCI 592 Entrepreneurship Workshop. (1-0). Cr. 1.
HCI 697 HCI Internship. Cr. R. Repeatable.

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Information Assurance

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INFAS 632 Information Assurance Capstone Design. (3-0). Cr. 3.

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Nutritional Sciences

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NUTRS 503 Biology of Adipose Tissue. (2-0). Cr. 2.
NUTRS 563 Community Nutrition. (3-0). Cr. 3.
NUTRS 680 Modern Views of Nutrition. Cr. R. Repeatable.

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Seed Technology and Business

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STB 543 Seed Physiology. (2-0). Cr. 2.

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Toxicology

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TOX 697 Graduate Research Rotation. (0-12). Cr. 0-12. Repeatable term to term, maximum of 3 times.

IV. COURSES DROPPED:

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Environmental Science

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ENSCI 295 Sophomore Seminar. (1-0). Cr. 1.
ENSCI 505I Watershed Modeling and GIS. Cr. 4.

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Nutritional Sciences

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NUTRS 562 Assessment of Nutritional Status. (3-0). Cr. 3.
NUTRS 565 Malnutrition in Low-Income Countries. (2-0). Cr. 2.

V. NUMBER, CREDIT, AND TITLE CHANGES:

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Bioinformatics and Computational Biology

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BCB 565 Credit Hrs to: Cr. 0.5-1.5.

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Biorenewable Resources & Technology

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BRT 590 Credit Hrs to: Cr. 1-3.

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Environmental Science

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ENSCI 381 Title to: Environmental Systems I: Introduction to Environmental Systems.
ENSCI 402 Title to: Watershed Hydrology.
ENSCI 459 Title to: Environmental Soil and Water Chemistry.
ENSCI 463 Number changed from: 473. Title to: Soil Formation and Transformation.
ENSCI 463I Number changed from: 473I.Title to: Soil Formation and Landscape Relationships.
ENSCI 485 Title to: Soil and Environmental Microbiology.
ENSCI 495 Credit Hrs to: Cr. 1-3.
ENSCI 502 Title to: Watershed Hydrology.
ENSCI 524 Credit Hrs to: Cr. arr.
ENSCI 559 Title to: Environmental Soil and Water Chemistry.
ENSCI 581 Title to: Environmental Systems I: Introduction to Environmental Systems.
ENSCI 585 Title to: Soil and Environmental Microbiology.

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Graduate Studies

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GR ST 587 Title to: Preparing Future Faculty Teaching Practicum.

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Plant Biology

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PLBIO 512 Designator changed from: P PHY.
PLBIO 513 Designator changed from: P PHY.
PLBIO 545 Designator changed from: P PHY.
PLBIO 696 Designator changed from: P PHY.

PLBIO 699 Designator changed from: P PHY.

Seed Technology and Business

STB 510 Contact Hrs to: (3-0).
STB 534 Contact Hrs to: (2-0).
STB 536 Contact Hrs to: (1-0).
STB 539 Contact Hrs to: (2-0).
STB 547 Contact Hrs to: (2-0).
STB 595 Contact Hrs to: (3-0).

Technology and Social Change

T SC 543 Number changed from: 541.

VI. COURSES ADDED FOR NONMAJOR GRADUATE CREDIT

Environmental Science

ENSCI 382
ENSCI 405

Human Computer Interaction

HCI 407
HCI 409

VII. COURSES DROPPED FOR NONMAJOR GRADUATE CREDIT

Environmental Science

ENSCI 483

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.

Summary of Changes					
Department	**New**	**Dropped**	**Number**	**Credit**	**Title**
BCB	0	0	0	1	0
BRT	1	0	0	1	0
C DEV	10	0	0	0	0
CAS	0	0	0	0	0
EEB	1	0	0	0	0
ENSCI	6	2	2	0	8
GENET	0	0	0	0	0
GERON	0	0	0	0	0
GR ST	1	0	0	0	1
HCI	3	0	0	0	0
IGS	0	0	0	0	0
IMBIO	0	0	0	0	0
INFAS	1	0	0	0	0
MCDB	0	0	0	0	0
NEURO	0	0	0	0	0
NUTRS	3	2	0	0	0
PLBIO	0	0	0	0	0
STB	1	0	0	0	0
T SC	0	0	1	0	0
TOX	1	0	0	0	0
TRANS	0	0	0	0	0
Total Interdisciplinary Programs	28	4	3	2	9

IX.   Changes since Proposed Departmental Changes for General Review

X.   JUSTIFICATION FOR NEW COURSES see attached excel sheet

Process:

August 15: Proposed Changes for General Review report is compiled and available for download.

September-November: FSCC begins review and approval of college reports.

December: Final approval by the Faculty Senate.