

AGENDA
KSU Faculty Senate Meeting
Tuesday, January 15, 2008 3:30 pm
K-State Union, Big 12 Room

1. Call meeting to order
2. Approval of November 13, 2007 minutes
3. Academic Calendar 2008-2013- **Attachment 5-page 43**
4. Reports from Standing Committees and Student Senate
 - A. Academic Affairs Committee – Doris Carroll
 1. Course and curriculum changes - Pages 2- 33; includes **Attachments 1, page 12**
 2. Academic Fresh Start and Forgiveness Policies – Action item – **Attachment 2, pages 34-36**
 3. Final Exam Policy – **Attachment 3, pages 37-41**
 - B. Faculty Affairs Committee – Betsy Cauble
 1. Update on Graduate Student Grievance Procedure Proposed Handbook Changes
 2. Update on University Handbook change, Appendix G – GGB Policy and Hearing Procedures
 3. Changes to the University Handbook, Section D40 - Consulting days – Action item – **Attachment 4, page 42**
 - C. Faculty Senate Committee on University Planning – Roger Adams
 - D. Faculty Senate Committee on Technology – Michael North
 - E. Report from Student Senate
5. Announcements
 - A. Presidential announcements/Faculty Senate Leadership Council
 - B. Kansas Board of Regents
6. New Business
7. For the Good of the University
8. Adjourn

ACADEMIC AFFAIRS

1. Course and Curriculum Changes

- A. **Graduate Education** – Approve the following course and curriculum changes approved by the Graduate Council on October 2 and November 6, 2007:

Changes

AGCOM 810 Scientific Communication
ASI 777 Meat Technology
FDSCI 791 Advanced Application of HACCP Principles
HORT 625 Floral Crops Production and Handling
HORT 815 Plant Nutrition and Nutrient Management
♦GEOG 620 Mexico, Central America, and Caribbean (UGE course)
SOCWK 610 Topics in Social Work
HN 620 Nutrient Metabolism
HN 632 Clinical Nutrition II
CS 732 Diagnostic Techniques in Equine Medicine
DMP 854 Disease Epidemiology
DMP 871 Molecular Diagnostics of Infectious Diseases

Plant Pathology MS Graduate Curriculum (See pages 43-45 of the Nov. 6 Grad Council agenda)
Plant Pathology PhD Graduate Curriculum (See pages 45-46 of the Nov. 6 Grad Council agenda)

New

ASI 602 Equine Genetics
GRSC 745 Fundamentals of Bioprocessing
HORT 600 Herbaceous Landscape Plant Production
PLPTH 837 Plant-Virus-Vector Interactions
PLPTH 921 Special Topics in Plant Pathology
PLPTH 922 Teaching Practicum in Plant Pathology
CHM 939 Topics in Analytical Chemistry
♦GEOG 622 Geography of South America (UGE course)
HIST 854 History and Security: South Asia
ANTH 677 Digital Ethnography
SOCWK 612 Fundamentals of Communication for the Agriculture and Food Science Community
HRIMD 975 Research and Applied Theories in Consumer Behavior in Foodservice and Hospitality Management
HN 631 Clinical Nutrition I
DMP 954 Design and Interpretation of Epidemiologic Research

Interdisciplinary Graduate Certificate in Stem Cell Biotechnology (See pages 30-42 of the October 2, 2007 Grad Council agenda)

Master of Science in Dietetics (College of Human Ecology- See pages 51-71 of the Nov. 6 Grad Council agenda)

Master of Arts in Theatre (College of Arts & Sciences- See pages 72-95 of the Nov. 6 Grad Council agenda)

Master of Arts in Theatre with concentration in Drama Therapy (College of Arts & Sciences)

Graduate Certificate in Teaching and Learning (College of Education- See pages 96-104 of the Nov. 6 Grad Council agenda)

Drop

CS 723 Core Food Animal Rotation
CS 744 Grand Rounds II

B. Undergraduate Education

1. Approve the following course and curriculum changes as approved by the College of Agriculture on October 8, 2007:

COURSE CHANGES

Animal Sciences and Industry

Changes to:

ASI 395 Advanced Meat Evaluation

Add:

ASI 333 Equine Enterprise Management

Entomology

Add:

ENTOM 589 Turfgrass Insects and Their Management

Horticulture, Forestry and Recreation Resources

Changes to:

HORT 275 ~~Concepts of Horticultural Design I~~

HORT 508 Landscape Maintenance

HORT 510 Horticultural Design II

HORT 515 ~~Turf Management~~ Basic Turfgrass Culture

HORT 517 Golf Course and Sports Turf Operations

HORT 551 ~~Landscape Contracting and Construction~~ The Business of Landscape Contracting

HORT 555 ~~Landscape Irrigation: Design and Contracting~~ The Fundamentals of Landscape Irrigation Design

HORT 582 Foundations of Horticultural Pest Management

Add:

HORT 325 Introduction to Organic Farming

HORT 360 Public Horticulture

HORT 516 Intensive Culture of Golf and Sports Turf

HORT 552 Horticultural Landscape Construction

HORT 583 Survey of Horticultural Ornamental and Food Crop Pests

HORT 587 Turfgrass Diseases and Their Management

HORT 588 Turfgrass Weeds and Their Management

HORT 589 Turfgrass Insects and Their Management

Drop:

HORT 519 Turfgrass Pest Management

Plant Pathology

Changes to:

PLPTH 575 ~~Special~~ Topics in Plant Pathology

Add:

PLPTH 576 Special Topics in Plant Pathology

PLPTH 583 Survey of Horticultural Ornamental and Food Crop Pests

PLPTH 587 Turfgrass Diseases and Their Management

CURRICULUM CHANGES

(Attachment 1)

2. Approve the following course and curriculum changes as approved by the College of Human Ecology on October 8, 2007:

COURSE CHANGES

School of Family Studies and Human Services

Changes to:

FSHS 585 Professional Seminar in ~~Family Life Education~~ FSHS

Department of Hotel, Restaurant, Institution Management and Dietetics

Changes to:

HRIMD 120 Introduction to Survey of the Hospitality Industry

HRIMD 221 Topics in Hospitality

HRIMD 463 Convention Services and Event Management

Add:

HRIMD 443 Food Writing

CURRICULUM CHANGES

Department of Apparel, Textiles, and Interior Design

- Changes to the Bachelor of Science in Apparel and Textiles: Add STAT 325 as a course option under General studies courses. (See page 3 of white sheets for rationale)

Department of Hotel, Restaurant, Institution Management and Dietetics

- Changes to the Bachelor of Science in Hotel and Restaurant Management: Replace ENGL 516 with ENGL 517 under general requirements. Under Professional Studies, HRIMD 120 has increased one credit hour thus increasing Professional Studies from 37 to 38 credit hours. Under Professional Electives, delete HRIMD 425 and HRIMD 665, and increase the credit hours in HRIMD 463 from 2 to 3 thus changing professional electives from 15 hours to 14 hours. Total credit hours for graduation have not changed. (See pages 5-7 of white sheets for more detail).

3. Approve the following course and curriculum changes as approved by the College of Technology & Aviation on October 16, 2007:

COURSE CHANGES

Changes to:

AVM 315 Advanced Avionics

Add:

PPIL 251 Private Pilot Helicopter Ground School

PPIL 252 Private Pilot Helicopter Flight Lab

PPIL 281 Instrument Helicopter Pilot Ground School

PPIL 282 Instrument Helicopter Pilot Flight Lab

PPIL 291 Commercial Pilot Helicopter Ground School

PPIL 292 Commercial Pilot Helicopter Flight Lab

PPIL 351 Flight Instructor Helicopter Ground School

PPIL 352 Flight Instructor Helicopter Flight Lab

AVM 242 Navigational Aids and Communication Systems for Avionics

COT 020 University Honors Program

COT 189 Introduction to University Honors Program

Drop:

PPIL 310 Aircraft Certification

CURRICULUM CHANGES

- Changes to the Associate of Technology in Engineering Technology, Mechanical Engineering Technology Option: Replace CMST 101 with CMST 110. Delete ETA 020. Total hours required for graduation have changed from 67 to 68.
 - Changes to the Associate of Technology in Engineering Technology, Electronic and Computer Engineering Technology Option: Replace CMST 101 with CMST 110. Delete ETA 020. Total hours required for graduation have changed from 67 to 68.
4. Approve the following curriculum changes as approved by the College of Education on October 23, 2007:

CURRICULUM CHANGES

Department of Secondary Education

Degree Name Change:

FROM: Bachelor of Science

TO: Bachelor of Science in Education

Department of Elementary Education

Degree Name Change:

From: Bachelor of Science in ~~Elementary~~ Education

To: Bachelor of Science in Education

Rationale: The College of Education would like to unify the degree name for both Elementary and Secondary to better describe their program.

Effective Date: Fall 2008

5. Approve the following course and curriculum changes as approved by the College of Arts & Sciences on November 1, 2007:

COURSE CHANGES

Department of English

Changes to:

ENGL ~~320~~ 253 The Short Story

ENGL 330 ~~The Novel~~ Fiction

Department of Kinesiology

Changes to:

KIN 220 Biobehavioral Bases of ~~Exercise~~ Physical Activity

KIN 330 Biomechanics

KIN 345 ~~Physical Activity and Public Health~~ Social and Behavioral Epidemiology of Public Health Physical Activity

KIN 520 Practicum in ~~Exercise Science~~ Fitness Settings

Drop:

KIN 340 Physical Activity in Contemporary Society

Add:

KIN 346 Laboratory Experience for Social and Behavioral Epidemiology of Public Health Physical Activity

Department of Modern Languages

Changes to:

ARAB 281 Arabic III

ARAB 282 Arabic IV

Add:

ARAB 501 Arabic V

ARAB 502 Arabic VI

Department of Women's Studies

Add:

WOMST 480 Women and Environmentalism

CURRICULUM CHANGES

- Changes to the Primary Texts Certificate program requirements. See pages 7 and 8 of the November 1, 2007 Arts & Sciences white sheets for further detail and rationale.

Changes to the undergraduate curriculum outline and course requirements for Kinesiology majors. See pages 9-11 of the November 1, 2007 Arts & Sciences white sheets for further detail and rationale.

6. Approve the following curriculum changes as approved by the College of Human Ecology on November 5, 2007:

CURRICULUM CHANGES

Changes to the Bachelor of Science in apparel and textiles:

- Under General Studies courses: Delete MATH 220, CHM 110, CHM 111, and CHM 210. Add 3-4 credit hours of Physical Science electives.
- Under the Specialization in apparel marketing add 1-6 credit hours of Apparel and Textile electives and change unrestricted electives from 14-17 to 15-17. See page 3 of white sheets for rationale.

Changes to the Bachelor of Science in Human Nutrition, Nutritional Sciences:

- Under Professional Studies: Change HN 620 from 4 to 3 credit hours; delete HN 630; add HN 535, HN 631, and HN 632. This will change the overall hours in this section from 30 to 31.
- Change unrestricted electives from 11-12 hours to 10-11 hours. See page 5 of white sheets for rationale.

Changes to the Bachelor of Science in Human Nutrition, Public Health Nutrition:

- Under General requirements: Replace ENGL 300 with ENGL 417 and add HRIMD 443.
- Under Professional Studies: Change HN 620 from 4 to 3 credit hours; delete HN 630; add HN 631 and HN 632.
- Change unrestricted electives from 22-24 to 23-25. See page 7 of white sheets for rationale.

7. Approve the following course and curriculum changes as approved by the College of Engineering on November 7, 2007:

COURSE CHANGES

Architectural Engineering

Changes to:

ARE 522 Loading and ~~Stability of Structures~~ Load Paths in Buildings

ARE 590 Integrated Building System Design

Biological and Agricultural Engineering

Changes to:

BAE ~~500~~ 345 Properties of Biological Materials

BAE ~~530~~ 560 Natural Resource Engineering

BAE 535 ~~Fundamentals of Structures and Environment Engineering~~

BAE 536 ~~Agricultural~~ Biological Systems Engineering Senior Design I

BAE 575 545 ~~Fundamentals of Agricultural~~ Biological Process Engineering

Add:

- BAE 231 Biological Systems Engineering Project I
- BAE 331 Biological Systems Engineering Project II

Drop:

- BAE 531 Natural Resources Engineering Field Laboratory
- BAE 533 Applied Hydrology

Computing and Information Sciences

Drop:

- CIS 112 Advanced Personal Computing
- CIS 411 Global Information System
- CIS 580 Numerical Computing

Industrial and Manufacturing Systems Engineering

Changes to:

- IMSE 563 Manufacturing Processes Engineering

CURRICULUM CHANGES

UNIVERSITY HONORS PROGRAM – College of Engineering Requirements

INTRODUCTION

The college of engineering honors program welcomes qualified students to join the honors program at any point in their academic career in which they become academically eligible for admission into the university honors program. The honors program is intended to recognize the high achievements of outstanding students who go beyond the curriculum requirements for a given degree program to meet the challenges of completing advanced study, scholarship, leadership, and citizenship activities.

The information that follows is for discussion only and is limited to the portion of the university honors program requirements for which the College of Engineering will be responsible. When finalized, this will be an internal document to the College of Engineering and will provide guidance to students and faculty in the College as they develop individual programs for completion of the honors requirements.

I. College of Engineering Requirements8 credits or equivalent required

A. Engineering Honors Colloquium DEN399 1 credit hour
Colloquium available in the Fall and Spring Semesters

B. Honors Project (Required)..... 3 - 4 credit hours
Capstone research or creative project - including presentation of findings to faculty and/or students. Requires Supervision by a faculty mentor.

The remaining 3 to 4 credits or equivalent necessary to complete a total of the 8 required by the College of Engineering may be obtained by completing any combination of the following courses or activities. The activities listed in item D must be approved by the College of Engineering honors coordinator in consultation with the departmental honors advisor and the University Honors Program Director prior to participating in the activity.

C. University Honors Courses.....Up to 4 credit hours

These are in addition to any courses taken for the University Level Requirements listed in the University Honors Program.

D.*Leadership/Other Honors Activities Up to 4 *PDU's
(*PDU: Professional Development Units)

Activities for earning professional development units and the number of PDU's to be earned for each activity must be agreed to by the departmental honors advisor (DHA) prior to participation by the student. An activities plan and a method to determine satisfactory completion of the activity must be presented to and approved by the DHA prior to participation by the honors student.

The activities shown in the following list are only intended as examples of ways by which professional development units may be earned. The professional development units listed for each example are not intended to be absolute. Note that no one activity can be repeated for additional professional development units.

- International Study Abroad or National Student Exchange (3)
- Faculty led study tour (1)
- Summer professional internship (2)
- Semester COOP Experience (3)
- Community Service including that organized by Engineers Without Borders, Kansas State University, etc (1 to 2)
- Submission of a design or written paper or poster for regional and/or national student competition (2). Personally presenting the paper or poster at a national meeting add (1) point. Placing in the top 3 at the national level add (1) point.
- Participation on an engineering sponsored student competition team at the regional or national level (2). If the team leader, add (1) point.
- Student organization leadership position (local chapter president or vice president or equivalent) (1)
- Engineering Ambassador Executive (1)
- Application for Nationally Competitive Scholarship Awards (Rhodes, Marshal, Truman, Goldwater, Udall or equivalent) (2)
- Graduate coursework (1 PDU for each credit hour of 700 level or higher taken for graduate credit)
- Modern Languages (1 PDU for each credit of 200 level or higher of a spoken modern language course or other as approved. Does not include literature or history courses)
- Participation in a formal Learning Community (1)
- Steel Ring

Biological and Agricultural Engineering

Changes to the Bachelor of Science in Biological and Agricultural Engineering, including changes to its options

Degree Program Name Change:

From: Bachelor of Science in ~~Biological and Agricultural Engineering~~

To: Bachelor of Science in Biological Systems Engineering

See page 9 of white sheets for rationale.

Drop:

General Curriculum Option

Rationale: Students do not choose to enroll in the General Option. The biological, environmental and machinery options better align with the coursework taught in Biological and Agricultural Engineering.

Name Change and curriculum changes:

From: ~~Machinery~~ Option

To: Machine Systems Option

Credit hours for graduation will change from 130 to 128.

Courses to be dropped: BAE 200, Biology elective, CIS 209, Technical elective, DEN 275, DEN 015, Machinery technical elective. Total hours to be dropped: 15.

Courses to be added: BAE 101, BAE 131, BAE 231, BAE 331, BAE 536 plus one additional hour of credit, BAE 560, BAE 561, DEN 325 and BAE 636 plus one additional hour of credit. Total hours to be added: 13. See page 22 of white sheets for rationale.

Changes to the Environmental Option

Credit hours for graduation will change from 130 to 128.

Courses to be dropped: BAE 200, BAE 636, Engineering tech elective, CIS 209, CE 533, CE 333, ME 512, DEN 275, ME 212, BAE 531, BAE 350, DEN 015, BAE 690. Total hours to be dropped: 23.

Courses to be added: BAE 101, BAE 131, BAE 231, BAE 331, BAE 536 plus one additional hour to original course, BAE 545, BAE 660, CE 530, Ecoengineering elective, DEN 325, GEOG 508. Total hours to be added: 21. See pages 25-26 of white sheets for rationale.

Changes to the Biological Option

Credit hours for graduation will change from 130 to 128.

Courses to be dropped: BAE 200, BAE 636, Biology/Biochemistry/Chemistry elective, one credit hour of COE electives, DEN 275, DEN 015, ME 212. Total hours to be dropped: 11.

Courses to be added: BAE 101, BAE 131, BAE 231, BAE 331, BAE 545, BAE 536 plus one additional hour of credit, DEN 325. Total hours to be added: 9. See page 29 of white sheets for rationale.

Electrical and Computer Engineering

Changes to the Bachelor of Science in Electrical Engineering:

The department wishes to move two course sequences to an earlier position in the curriculum to provide the necessary prerequisite material coverage prior to more advanced courses. These sequences are:

EECE 510 Circuit Theory 1, EECE 511 Circuit Theory 2

EECE 525 Electronics 1, EECE 526 Electronics 2

The sole reason that these changes have not been made in years past was that EECE 511 requires as prerequisite certain topics from MATH 240 Differential Equations and this course occupied the final position in a four-course chain including Calculus 1-3. An agreement has been reached (see attached) with the mathematics department to allow EECE students to take the Differential Equations course prior to Calculus 3. This allows the changes indicated above to be made.

Movement of these courses within the program structure has necessitated the repositioning of several other courses as indicated in the attached materials.

Finally, DEN015 New Student Orientation has been replaced by EECE 015.

Impact: An agreement has been reached (see attached) with the mathematics department to allow EECE students to take the Differential Equations course prior to Calculus 3. No impact beyond the EECE Dept.

8. Approve the following course and curriculum changes as approved by the College of Technology and Aviation on November 20, 2007:

COURSE CHANGES

Changes to:

AVM 132 Aircraft Fluid Power

AVM 142 Airframe Systems

AVM 241 Navigational Aids and Communication Systems

PPIL 386 Aerodynamics

CMST 137 Fundamentals of ~~Web Design~~ Visual Literacy
CET 210 ~~Introduction to Construction~~ Problem Solving with Computer Applications

Add:

CMST 216 Digital Media I
CMST 323 Game Programming
CET 222 Construction Safety
CET 341 Mechanical Systems
CET 342 Electrical Systems

Drop:

AVMR 220 Aviation Maintenance Review/General
AVMR 230 Aviation Maintenance Review/Airframe
AVMR 250 Aviation Maintenance Review/Powerplant
CET 340 Mechanical and Electrical Systems

CURRICULUM CHANGES

Changes to the Bachelor of Science in Aeronautical Technology, Professional Pilot:

Change to the Senior Spring Semester: Replace the aviation elective with a culminating aviation experience with one of the following courses: COT 495, PPIL 416, or PPIL 455. Delete the following language:

~~**Marked electives must be upper division courses, 300 and above. Upper Level hours in aviation electives required.....3.~~ See page 8 of white sheets for rationale.

Changes to the Associate of Technology in Electronic and Computer Engineering Technology:

Replace CMST 110 with CMST 103 in the Freshman Spring Semester. See pages 9-10 of white sheets for rationale.

Changes to the Associate of Technology in Engineering Technology, Construction Option:

Freshman Fall Semester: Replace 3 credit hours of University General Education with CMST 108.

Freshman Spring Semester: Delete MATH 220 and ETA 020. Add CET 222 and 3 credit hours of University General Education elective.

Sophomore Fall Semester: Delete CET 211, change course title to CET 210. Add CET 341.

Sophomore Spring Semester: Delete CET 340 and MET 245. Add CET 342 and CET 211.

See pages 11-12 of white sheets for rationale.

Add:

Associate of Technology in Engineering Technology, Digital Media Option (ETA-DM)

See pages 13-18 of white sheets for further detail and rationale.

C. General Education

1. Approve the following course changes as approved by the UGE Council on November 9, 2007:

Changes: (College Arts & Sciences October 4, 2007 white sheets)

GEOG 620 Mexico, Central America, and Caribbean

New: (College of Arts & Sciences October 4, 2007 white sheets)

GEOG 622 Geography of South America

GERM 515 Topics in German Cultural Studies

2. The following courses have been approved by the UGE Council for continued UGE status:
(Informational item only)

ASI 303 History & Attitudes of Animal Use

ASI 330 Horse as a Window to the World
ART 100 Two Dimensional Design
ECON 110 Principles of Macroeconomics
ECON 536 Comparative Economics
ENGL 220 Fiction into Film
ENGL 231 Medieval and Renaissance
ENGL 234 Modern English
ENGL 440 Themes in Literature
FREN 514 Contemporary France
FREN 520 Introduction to French Literature I
FSHS 670 Working With Parents
GEOG 221 Environmental Geography I
GEOG 500 Geography of the United States
GEOL 102 Earth Through Time
GEOL 125 Natural Disasters
MUSIC 100 Music Fundamentals
MUSIC 245 Introduction to American Music
PHYS 451 Principles of Contemporary Physics
POLSC 301 Introduction to Political Thought
SOCIO 363 Global Problems
SOCWK 510 Social Welfare as a Social Institution
SPCH 311 Business and Professional Speaking
SPCH 526 Persuasion

- D. Graduation additions – Approve to place the following addition to the August 2007 graduation list on the Faculty Senate agenda for approval: Jessel Reuen Coomansingh, B.S. in Human Nutrition, College of Human Ecology
- E. Academic Fresh Start and Forgiveness Policy – Action Item – **Attachment 3, page 34**
- F. Revised Final Exam Policy – **Attachment 4, page 37**

ATTACHMENT 1

College of Agriculture Curriculum Proposals – October 8, 2007

Animal Sciences and Industry

Business Option

FROM: **BUSINESS & ECONOMICS**

(Required)

ACCTG 231 Accounting Business Operations

ACCTG 241 Accounting Investments & Finance

Select 6 Courses

Agricultural Economics - Any course numbered 202 or higher except 490

Accounting – Any course

Family Studies – FSHS 105

Finance – Any course

Management – Any course

Marketing – Any course

TO: **BUSINESS & ECONOMICS**

(Required)

ACCTG 231 Accounting Business Operations

ACCTG 241 Accounting Investments & Finance

Select 6 Courses

Agricultural Economics - Any course numbered 202 or higher except 490

Accounting – Any course

Economics – Any course 500-level and above

Family Studies – FSHS 105

Finance – Any course

Management – Any course

Marketing – Any course

RATIONALE: 500-level economics courses are worthwhile choices for the “Business and Economics” section.

IMPACT: We do not anticipate a significant impact on the Economics Department.

EFFECTIVE DATE: Fall 2008

Science/Pre-Vet Option

FROM: **Physics/Math/Statistics Requirement**
(Minimum 6 hours)
Select From:
PHYS 113, 114
MATH 205, 210, 211, 220, 221, 222
STAT 325, 340, 350, 351

TO: **Physics/Math/Statistics Requirement**
(Minimum 6 hours)
Select From:
PHYS 113, 114
MATH 100, 205, 210, 211, 220, 221, 222
STAT 325, 340, 350, 351

RATIONALE: Science/Pre-Vet Option students who choose to complete the Science/Pre-Vet option, but are not planning on going to Vet School would be allowed to use *MATH 100, College Algebra*, to meet the 6 hours of math requirements of the option. All of our other options require *MATH 100*, but also require only 3 additional hours of Math/Statistics/Computers.

IMPACT: No impact on other departments

EFFECTIVE DATE: Fall 2008

Bioscience/Biotechnology, Business, Communications, Production/Management, and Science/Pre-Vet Options

FROM: Currently we allow students majoring in Animal Sciences and Industry within the Bioscience/Biotechnology, Business, Communications, Production/Management, and Science/Pre-Vet Options to have the option of taking *FDSCI 302, Introduction to Food Science*, as one of their Ag elective courses outside of Animal Science.

TO: We are proposing that the same set of students have the option of also taking *FDSCI 305, Fundamentals of Food Processing*, or *FDSCI 690, Principles of HACCP* as one of their Ag elective courses.

RATIONALE: Courses in this area are intended to provide breadth to a student's curriculum. We currently allow only *FDSCI 302* to meet this requirement. *FDSCI 305* and *FDSCI 690* would be equally beneficial to our students.

IMPACT: We anticipate this will have little impact on the Food Science and Industry program.

EFFECTIVE DATE: Fall 2008

Production/Management Option

FROM:

BUSINESS & ECONOMICS

(Required)

ACCTG 231 Accounting Business Operations
ACCTG 241 Accounting Investments & Finance
OR
AGEC 308 Farm and Ranch Management

Select 4 Courses

Agricultural Economics - Any course numbered 202 or higher except 490
Accounting - Any course
Family Studies - FSHS 105
Finance - Any course
Management - Any course
Marketing - Any course

ANIMAL SCIENCE

(Required)

ASI 105	Animal Science Lab	1
ASI 106	Dairy/Poultry Lab	1
ASI 318	Fundamentals of Nutrition	3
ASI 320	Principles of Feeding	3
ASI 400	Farm Animal Repro	4
ASI 510	Animal Breeding Principles	3
ASI 580	Senior Seminar	1

Select 1 Course

ASI 350	Meat Science	3
ASI 361	Meat Animal Processing	2
ASI 601	Phys of Lactation	3

Select 1 Course

ASI 315	Livestock & Meat Eval	3
ASI 405	Fund Milk Processing	3
ASI 640	Poultry Product Tech	3
FDSCI 607	Food Microbiology	4

Select 3 Courses

ASI 515	Beef Science	3
ASI 521	Horse Science	3
ASI 524	Sheep Science	3
ASI 535	Swine Science	3
ASI 621	Dairy Science	3
ASI 645	Poultry Management	3
ASI 655	Behavior of Domestic Anmls	3

TO:

BUSINESS & ECONOMICS

(Required)

ACCTG 231 Accounting Business Operations
ACCTG 241 Accounting Investments & Finance
OR
AGEC 308 Farm and Ranch Management

Select 4 Courses

Agricultural Economics - Any course numbered 202 or higher except 490
Accounting - Any course
Economics - Any course 500-level and above
Family Studies - FSHS 105

Finance – Any course
 Management – Any course
 Marketing – Any course

ANIMAL SCIENCE

(Required)

ASI 105	Animal Science Lab	1
ASI 106	Dairy/Poultry Lab	1
ASI 318	Fundamentals of Nutrition	3
ASI 320	Principles of Feeding	3
ASI 400	Farm Animal Repro	4
ASI 510	Animal Breeding Principles	3
ASI 580	Senior Seminar	1

Select 1 Course

ASI 350	Meat Science	3
ASI 361	Meat Animal Processing	2
ASI 601	Phys of Lactation	3

Select 1 Course

ASI 315	Livestock & Meat Eval	3
ASI 405	Fund Milk Processing	3
ASI 640	Poultry Product Tech	3
FDSCI 607	Food Microbiology	4

Select 3 Courses

ASI 515	Beef Science	3
ASI 521	Horse Science	3
ASI 524	Sheep Science	3
ASI 535	Swine Science	3
ASI 621	Dairy Science	3
ASI 645	Poultry Management	3

Only one of the courses below can be used to fulfill the above requirement

<u>ASI 520</u>	<u>Comp/Lab Anml Mngt</u>	<u>3</u>
<u>ASI 655</u>	<u>Behavior of Domestic Anmls</u>	<u>3</u>

RATIONALE: Several of our students change options from the Science/Pre-Vet option to the Production/Management option after their first three years. Most of these students have taken ASI 520, Companion and Lab Animal Management. They would like to use it in this option. This change would require these students to take at least two of our production courses. 500-level economics courses are worthwhile choices for the “Business and Economics” section

IMPACT: We do not anticipate a significant impact on the Economics Department.

EFFECTIVE DATE: Fall 2008

Grain Science and Industry

Baking Science and Management - Cereal Chemistry Option

FROM:

Required courses:

CHM 210 Chemistry I	4 hrs
and	
CHM 230 Chemistry II	4 hrs
or	
CHEM 220 Chem Prin I	5 hrs
and	
CHEM 250 Chem Prin II	5 hrs
GRSC 101 Intro to GRSC	3 hrs
STAT 320 Elem of Statistics	3 hrs
or	
STAT 340 Biometrics I	3 hrs
BIOCH 521 General Biochemistry	3 hrs
or	
BIOCH 265 Biochemistry	5 hrs
FDSCI 501 Food Chemistry	3 hrs
or	
FDSCI 305 Fund Food Processing	3 hrs
ATM 540 Food Engin Tech	3 hrs
ASI 318 Fund of Nutrition	3 hrs
or	
HN 132 Basic Nutrition	3 hrs
or	
HN 400 Human Nutrition	3 hrs
GRSC 630 Mgmt. Apps	3 hrs

Free Electives ~~8 hrs~~
Total hours required 128 hrs

TO:

Required courses:

CHM 210 Chemistry I	4 hrs
and	
CHM 230 Chemistry II	4 hrs
<u>GRSC 150 Prin. of Milling</u>	<u>3 hrs</u>
<u>STAT 325 Statistics</u>	<u>3 hrs</u>
BIOCH 521 General Biochemistry	3 hrs
and	
<u>BIOCH 522 General Biochem Lab</u>	<u>2 hrs</u>
FDSCI 501 Food Chemistry	3 hrs
<u>GRSC 540 Eng. Apps in Food</u>	<u>3 hrs</u>
<u>GRSC 541 Eng. Apps in Food Lab</u>	<u>1 hrs</u>
HN 132 Basic Nutrition	3 hrs

Add new category:

Specialization Electives (select 4 hours)

<u>GRSC 610 Elec./Grain Proc</u>	<u>3 hrs</u>
<u>GRSC 500 Milling Science I</u>	<u>4 hrs</u>
<u>GRSC 745 Fund. Bioprocessing</u>	<u>3 hrs</u>
<u>GRSC 720 Extrusion Proc. Fd. & Fd.</u>	<u>4 hrs</u>
<u>EDLST 212 Intro to Lead concepts</u>	<u>3 hrs</u>
<u>FDSCI 690 HACCP</u>	<u>2 hrs</u>
<u>GRSC 712 Vib. Spect. Anal</u>	<u>1 hrs</u>
<u>GRSC 713 Cont. Chromotographic Anal.</u>	<u>1 hrs</u>

Free Electives 6 hrs
Total hours required 128 hrs

RATIONALE: The above changes are being made to allow students in the Cereal Chemistry option as much flexibility as possible to prepare for careers in the baking of food industries while still gaining a foundation of the newer technologies prevalent in the industry.

CHM 220/250 are being dropped as an alternates and CHM 210/230 will be used for this option.

GRSC 150 will replace GRSC 101 for this option. GRSC150 is more appropriate for students in this option.

GRSC 630 Management Applications will be dropped to make room for addition hours of specialization electives.

ATM 540 is no longer offered and will be replaced with GRSC540. GRSC 541 will be added.

BIOCH 265 is being dropped as an alternate and BIOCH 521 and BIOCH 522 will be required for this option.

ASI 318 and HN 132 are being dropped as alternates and HN400 will be required for this option.

For Cereal Chemistry majors the suggested and Specialization electives are more clearly defined and their scope has been broadened to introduce students to additional, most current topics in the Grain industry.

IMPACT: No major impact outside of department.

EFFECTIVE DATE: Fall 2008

Baking Science and Management - Production Management Option

FROM:

Required courses:

MATH 220 An Geom Calculus I	4 hrs
BIOCH 265 Int. Organic and Biol Chem	5 hrs
or	
CHM 350 and BIOCH 521	5 hrs
ME 212 Engr Graphics	2 hrs
PHYS 113 Eng Phys I	4 hrs
and	
PHYS 114 Eng Phys II	4 hrs
or	
PHYS 213 Eng Phys I	4 hrs
and	
PHYS 214 Eng Phys II	4 hrs
ASI 318 Fund of Nutrition	3 hrs
or	
HN 132 Basic Nutrition	3 hrs
or	
HN 400 Human Nutrition	3 hrs
STAT 320 Elem of Statistics	3 hrs
or	
STAT 340 Biometrics I	3 hrs

TO:

Required courses:

<u>MATH 205 Gen. Calc and Lin. Alg.</u>	<u>3 hrs</u>
BIOCH 265 Int. Organic and Biol Chem	5 hrs
<u>GRSC 110 Flow Sheets</u>	<u>2 hrs</u>
<u>GRSC 150 Principle of Milling</u>	<u>3 hrs</u>
PHYS 113 Eng Phys I	4 hrs
and	
PHYS 114 Eng Phys II	4 hrs
HN 132 Basic Nutrition	3 hrs
<u>STAT 325 Statistics</u>	<u>3 hrs</u>

FDSCI 501 Food Chemistry	3 hrs
or	
FDSCI 305 Fund Food Processing	3 hrs
ATM 540 Food Engin Tech	3 hrs

Select 9 hours from the following:

ACCTG 241 Acctg Investment Finance	3 hrs
ACCTG 331 Acctg Processes and Controls	3 hrs
ECON 530 Money and Banking	3 hrs
FINAN 450 Principles of Finance	3 hrs
FINAN 470 Fin Analysis and Valuation	3 hrs
IMSE 501 Industrial Managment	3 hrs
MANGT 300 Intro to TQM	3 hrs
MANGT 530 Industrial & Labor Relations	3 hrs
MANGT 531 Pers. & Human Res. Mgmt.	3 hrs
or	
ECON 523 Human Resource Economics	3 hrs
MKTG 400 Marketing	3 hrs
MKTG 542 Prof Selling and Sales Mangt	3 hrs

FDSCI 501 Food Chemistry	3 hrs
<u>GRSC 540 Eng. Apps in Food</u>	<u>3 hrs</u>
<u>GRSC 541 Eng. Apps in Food Lab</u>	<u>1 hrs</u>

Business Electives (select 9 hours)

ACCTG 241 Acctg Investment Finance	3 hrs
ACCTG 331 Acctg Processes and Controls	3 hrs
<u>AGEC 500 Production Economics</u>	<u>3 hrs</u>
<u>AGEC 515 Food & Agri. Bus. Mktg.</u>	<u>3 hrs</u>
FINAN 450 Principles of Finance	3 hrs
IMSE 501 Industrial Managment	3 hrs
MANGT 300 Intro to TQM	3 hrs
MANGT 530 Industrial & Labor Relations	3 hrs
MKTG 400 Marketing	3 hrs
MKTG 542 Prof Selling and Sales Mangt	3 hrs

Add new category:

Specialization Electives (select 3 hours)

<u>GRSC 610 Elec./Grain Proc</u>	<u>3 hrs</u>
<u>GRSC 500 Milling Science I</u>	<u>4 hrs</u>
<u>GRSC 745 Fund. Bioprocessing</u>	<u>3 hrs</u>
<u>GRSC 720 Extrusion Proc. Fd. & Fd.</u>	<u>4 hrs</u>
<u>EDLST 212 Intro to Lead concepts</u>	<u>3 hrs</u>
<u>FDSCI 690 HACCP</u>	<u>2 hrs</u>
<u>GRSC 712 Vib. Spect. Anal</u>	<u>1 hrs</u>
<u>GRSC 713 Cont. Chromotographic Anal.</u>	<u>1 hrs</u>

Free Electives	9 hrs
Total hours required	128 hrs

Free Electives	<u>8 hrs</u>
Total hours required	128 hrs

RATIONALE: The above changes are being made to allow students as much flexibility as possible while still integrating courses covering the newest technologies in the food industry. Total number of hours required for graduation has not changed; however 3 hours of specialization electives have been added and total hours of free electives has been reduced from 25 to 17.

GRSC 150, Principles of Milling will provide production managers and baking professionals a more through understanding of the flour and the milling process.

CHM 350 and BIOCH 521 are being dropped as an alternates and BIOCH 265 will be required for this option.

ME 212 will be replaced with GRSC 110, Flow Sheets. GRSC 110 will be more applicable for later GRSC senior level courses and for use in the bakery production layout and design areas.

MATH 210 and alternate MATH 220 will be replaced with MATH 205 General Calculus and Linear Algebra. MATH 205 uses an algebra approach more appropriate for students in this option.

ATM 540 is no longer offered and will be replaced with GRSC540. GRSC 541 will be added.

EDLST 212 Introduction to Leadership Concepts will be added as a Specialization elective choice in response to our industry's repeated requests that BSM students would benefit from additional leadership education.

For all BSM majors the suggested Specialization Electives are more clearly defined and their scope has been broadened to introduce students to additional, most current topics in the Grain industry.

IMPACT: Letters have been written to the departments of Mechanical Engineering and Mathematics advising them of the courses being dropped and added.

EFFECTIVE DATE: Fall 2008

Feed Science and Management

FROM:		TO:	
Required courses:		Required courses:	
AGEC 220 Grain Livestock Mktg Systems	3 hrs		
CIS 101-104 (or equivalent PC Course)	3 hrs		
MATH 100 College Algebra	3 hrs		
MATH 150 Trigonometry	3 hrs		
MATH 205 Gen. Calc and Lin. Alg.	3 hrs	MATH 205 Gen. Calc and Lin. Alg.	3 hrs
Specialization Electives	8 hrs	Specialization Electives	<u>18 hrs</u>
		<u>Add to list: GRSC 745 Fund Bioprocessing</u>	<u>3 hrs</u>
Total hours required	126 hrs	Total hours required	<u>124 hrs</u>

RATIONALE: The above changes are being made to allow students as much flexibility as possible in the program to prepare for careers in the feed and allied industries, but also having the background for careers in plant management and operations in the biofuels and related industries. Students will still be able to complete the Pre-Vet Professional Requirements to apply for veterinary medicine if they desire.

Many of the students entering the program have already completed enough math to begin with MATH 205 which is a higher level course that remains in the degree program. Additionally, most students come into the program with the necessary computer skills and do not need a PC course.

Currently all students in the program are required to take both AGEC 220 and AGEC 420 which have some similar areas of content. Only one of these classes is needed for the Feed Science students.

The new GRSC 745 course will allow our students the opportunity to add knowledge and skills beneficial to understanding the production of biofuels and their related co-products.

IMPACT: Letters have been written to the affected departments outside of Grain Science advising them of the courses being dropped and added.

EFFECTIVE DATE: Fall 2008

Milling Science and Management - Management Option

FROM:

Required courses:

MATH 220 Anal. Geom. & Calc. I ————— 4 hrs
BIOCH 265 Intro to Organic Biochemistry ——— 5 hrs

SPCH 311 Bus & Prof. Speaking ————— 3 hrs

Select 9 hours from the following:

ACCTG 331 Acttg Proc. & Cont. 4 hrs
 AGECE 513 Ag Finance 3 hrs
 AGECE 515 Food & Agri. Bus. Mktg. 3 hrs
 AGECE 632 Agri. Bus. Logistics 3 hrs
~~GENAG 390 Ag Employment~~ ————— 1 hrs
 ENGL 516 Writ. Comm. For the Sciences 3 hrs
 MANGT 390 Bus. Law I 3 hrs
 MANGT 420 Mgmt. Conc. 3 hrs
 MANGT 530 Ind. Labor Relations 3 hrs
 MANGT 531 Pers. & Human Res. Mgmt. 3 hrs
~~MANGT 630 Labor Relations Law~~ ————— 3 hrs

Free Electives 6 hrs
 Total hours required 129 hrs

TO:

Required courses:

MATH 205 Gen. Calc. and Lin. Alg. 3 hrs
CHM 350 Gen. Organic Chemistry 3 hrs
CHM 351 Gen. Organic Chemistry Lab 2 hrs
GRSC 731 Milling Science II Lab 2 hrs
GRSC 610 Elec/Grain Proc. Ind. 3 hrs

Specialization Electives (select 11 hours)

ACCTG 331 Acttg Proc. & Cont. 4 hrs
 AGECE 513 Ag Finance 3 hrs
 AGECE 515 Food & Agri. Bus. Mktg. 3 hrs
 AGECE 632 Agri. Bus. Logistics 3 hrs
 ENGL 516 Writ. Comm. For the Sciences 3 hrs
 MANGT 390 Bus. Law I 3 hrs
 MANGT 420 Mgmt. Conc. 3 hrs
 MANGT 530 Ind. Labor Relations 3 hrs
 MANGT 531 Pers. & Human Res. Mgmt. 3 hrs
SPCH 311 Bus & Prof. Speaking 3 hrs
GRSC 720 Extrusion Proc. in the Fd & Fd. 4 hrs
GRSC 745 Fund. of Bioprocessing 3 hrs
GRSC 712 Vibrational Spect. Analysis 1 hrs
GRSC 713 Cont. Chromotographic Anal. 1 hrs

Free Electives 3 hrs
 Total hours required 128 hrs

RATIONALE: MATH 220, will be replaced with MATH 205, General Calculus and Linear Algebra. MATH 205 has an algebra approach more appropriate for students in this option.

Replace BIOCH 265 with CHM 350 and CHM 351. This will upgrade the level of organic chemistry to better prepare students for chemistry related functions in the milling process.

GRSC 731 Milling Science II Lab (2) will be required for all milling science graduates. It will allow students to apply principles taught in GRSC 730 to increase technical understanding and meet expectations of industry.

Require all milling science graduates take GRSC 610 Elec/Grain Proc. Ind. Understanding of electrical principles and management is important in both options to safely manage and direct an electrically powered operation system.

Create new common specialization electives category for all options, including the previous elective choices for the management option plus selected grain science courses. With addition of GRSC 720 Extrusion and GRSC 745 Fundamentals of Bioprocessing, these changes strengthen the MSM degree program.

IMPACT: Letters have been written to the affected departments outside of Grain Science advising them of the courses being dropped and added.

EFFECTIVE DATE: Fall 2008

Milling Science and Management - Operations Option

FROM:
Required courses:

~~CE 231 Statics A~~ 3 hrs
~~ENVD 205 Graphics I~~ 2 hrs
~~ATM 540 Food Engin Tech~~ 3 hrs

~~BIOCH 265 Intro to Organic Biochemistry~~ 5 hrs

TO:
Required courses:

GRSC 540 Eng. Apps in Food 3 hrs
GRSC 541 Eng. Apps in Food Lab 1 hrs
CHM 350 Gen. Organic Chemistry 3 hrs
CHM 351 Gen. Organic Chemistry Lab 2 hrs
GRSC 625 Flour and Dough Testing 3 hrs

Add new category:

Specialization Electives (select 7 hours)

ACCTG 331 Acttg Proc. & Cont. 4 hrs
AGEC 513 Ag Finance 3 hrs
AGEC 515 Food & Agri. Bus. Mktg. 3 hrs
AGEC 632 Agri. Bus. Logistics 3 hrs
ENGL 516 Writ. Comm. For the Sciences 3 hrs
MANGT 390 Bus. Law I 3 hrs
MANGT 420 Mgmt. Conc. 3 hrs
MANGT 530 Ind. Labor Relations 3 hrs
MANGT 531 Pers. & Human Res. Mgmt. 3 hrs
SPCH 311 Bus & Prof. Speaking 3 hrs
GRSC 720 Extrusion Proc. in the Fd & Fd. 4 hrs
GRSC 745 Fund. of Bioprocessing 3 hrs
GRSC 712 Vibrational Spect. Analysis 1 hrs
GRSC 713 Cont. Chromotographic Anal 1 hrs

Free Electives 9 hrs
Total hours required 129 hrs

Free Electives 3 hrs
Total hours required 128 hrs

RATIONALE: CNS 231 Statics A and ENVD 205 Graphics I are no longer considered as essential in the skill set for the operations students in the milling science program.

ATM 540 is no longer offered and will be replaced with GRSC540. GRSC 541 will be added. Replace BIOCH 265 with CHM 350 and CHM 351. This will upgrade the level of organic chemistry to better prepare students for chemistry related functions in the milling process.

Create new common specialization electives category for all options, including the previous elective choices for the management option plus selected grain science courses. With addition of GRSC 720 Extrusion and GRSC 745 Fundamentals of Bioprocessing, these changes strengthen the MSM degree program.

IMPACT: Letters have been written to the affected departments outside of Grain Science advising them of the courses being dropped and added.

EFFECTIVE DATE: Fall 2008

Milling Science and Management - Chemistry Option

FROM:

Required courses:

~~CHM 371 Chemical Analysis~~ ————— 4 hrs

~~CHM 551 Organic Chem II Lab~~ ————— 2 hrs

TO:

Required courses:

CHM 350 Gen. Organic Chemistry 3 hrs

CHM 351 Gen. Organic Chemistry Lab 2 hrs

GRSC 610 Elec/Grain Proc. Ind. 3 hrs

GRSC 630 Mgmt. App. Gr. Proc. Ind. 3 hrs

GRSC 730 Milling Science II 2 hrs

GRSC 731 Milling Science II Lab 2 hrs

Add new category:

Specialization Electives (select 3 hours)

ACCTG 331 Actg Proc. & Cont. 4 hrs

AGEC 513 Ag Finance 3 hrs

AGEC 515 Food & Agri. Bus. Mktg. 3 hrs

AGEC 632 Agri. Bus. Logistics 3 hrs

ENGL 516 Writ. Comm. For the Sciences 3 hrs

MANGT 390 Bus. Law I 3 hrs

MANGT 420 Mgmt. Conc. 3 hrs

MANGT 530 Ind. Labor Relations 3 hrs

MANGT 531 Pers. & Human Res. Mgmt. 3 hrs

SPCH 311 Bus & Prof. Speaking 3 hrs

GRSC 720 Extrusion Proc. in the Fd & Fd. 4 hrs

GRSC 745 Fund. of Bioprocessing 3 hrs

GRSC 712 Vibrational Spect. Analysis 1 hrs

GRSC 713 Cont. Chromotographic Anal 1 hrs

Free Electives 13-14 hrs

Total hours required 129 hrs

Free Electives 3 hrs

Total hours required 128 hrs

RATIONALE: Chemistry requirements are changed to be consistent with the other two options in the major. All students will now take CHM 350 and 351 as part of the core requirements.

Create new common specialization electives category for all options, including the previous elective choices for the management option plus selected grain science courses. With addition of GRSC 720 Extrusion and GRSC 745 Fundamentals of Bioprocessing, these changes strengthen the MSM degree program.

IMPACT: Letters have been written to the affected departments outside of Grain Science advising them of the courses being dropped and added.

EFFECTIVE DATE: Fall 2008

Horticulture, Forestry and Recreation Resources

FROM: Horticulture Major with Options in:
 Fruit/Vegetable Production
Greenhouse Management
Nursery Management
 Landscape Design
 Landscape and Turf Management
 Horticultural Therapy
 Golf Course Management
 Horticulture Science

TO: Horticulture Major with Options in:
 Fruit/Vegetable Production
Greenhouse and Nursery Management
 Landscape Design
Landscape Management
 Horticultural Therapy
 Golf Course Management
 Horticultural Science
Sports Turf Management
Public Horticulture

RATIONALE: Option name changes more accurately reflect the curriculum. Combining the nursery management and greenhouse management options recognizes the considerable overlap that currently exists and recognizes the fact we can serve our students better within the context of one specialization. Renaming the landscape and turf management option reflects associated changes in the curriculum which will increase focus on landscaping, and the development of the new option in sports turf management with greater focus on turf management. Two new options in sports turf management and public horticulture reflect both changing demands of the horticultural industry for graduates and changing interests of students. Additional more specific rationale statements follow the detailed curriculum changes outlined on the following pages.

IMPACT: All impacted units have been contacted.

EFFECTIVE DATE: Fall 2008

CURRENT

Horticulture Major
Specializations in fruit/vegetable production, greenhouse management, nursery management, landscape design, and landscape and turf management

Quantitative sciences16-18
~~CHM 210 Chemistry~~ ~~1 4~~
~~Organic chemistry elective~~ ~~3 5~~

MATH 100 College Algebra 3
 Math/physics/~~comp science~~ elective 3
 Statistics elective

Horticulture requirement.....14-18

HORT 350 Plant Propagation 3
 HORT 520 Fruit Production 3

Or

HORT 560 Vegetable Crop Production 3
 HORT 190 Pre-Internship in Horticulture 1
 HORT 590 Horticulture Internship 2 or 5
~~Pest Management elective~~ ~~2 3~~

Environmental science elective 3

Fruit/vegetable specialization.....27

PROPOSED

Horticulture Major
Specializations in fruit/vegetable production, greenhouse and nursery management (combined with new name), landscape design, and landscape management (new name)

Quantitative sciences 15
CHM 110 General Chemistry 3
CHM 111 General Chemistry Lab 1
BIOCH 265 Intro to Organic Chem & Biochem

MATH 100 College Algebra 3
Math/physics elective 3
 Statistics elective

Horticulture requirement12-15

HORT 350 Plant Propagation 3
 HORT 520 Fruit Production 3

Or

HORT 560 Vegetable Crop Prod 3
 HORT 190 Pre-Internship in Horticulture 1
 HORT 590 Horticulture Internship 2 or 5
HORT 599 The Horticultural Professional 0

Environmental science elective 3

Fruit/vegetable specialization28

AGRON 330	Weed Science	3
ENTOM 612	Insect Pest Diagnosis	2
Or		
ENTOM 620	Insecticides: Properties & Laws	2
HORT 376	Herbaceous Ornamental Plants	3
HORT 560	Vegetable Crop Production	3
HORT 570	Greenhouse Operations Mgmt	3
HORT 575	Nursery/Garden Cntr. Operations	3

Specialization electives from list below (10 cr)

AGRON 375	Soil Fertility	3
HORT 210	Concepts of Floral Design	3
HORT 275	Concepts of Horticulture Design	3
HORT 374	Woody Plant Materials I	3
HORT 375	Woody Plant Materials II	3
HORT 508	Landscape Maintenance	3
HORT 515	Turf Management	3
HORT 585	Arboriculture	3
HORT 706	Turfgrass Science	3
HORT 775	Plant Nutrition Mgmt.	3

Free Electives 4-12

Greenhouse management specialization 28-29

HORT 376	Herbaceous Ornamental Plants	3
HORT 377	Plants in the Inter. Environment	3
HORT 570	Greenhouse Operations Mgmt	3
HORT 575	Nursery/Garden Cntr. Operations	3
HORT 625	Floral Crops Prod & Handling	4
Specialization electives: Choose 4 (12-13 crs)		
AGRON 330	Weed Science	3
HORT 210	Concepts of Floral Design	3
HORT 275	Concepts of Horticulture Design	3
HORT 374	Woody Plant Materials I	3
HORT 375	Woody Plant Materials II	3
HORT 508	Landscape Maintenance	3
HORT 515	Turf Management	3
HORT 585	Arboriculture	3
HORT 775	Plant Nutrition/Nutrient Mgmt	3

Nursery management specialization 27-28

AGRON 330	Weed Science	3
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AGRON 330	Weed Science	3
HORT 325	Intro to Organic Farming	2

HORT 376	Herbaceous Ornamental Plants	3
HORT 560	Vegetable Crop Prod	3
HORT 570	Greenhouse Operations Mgmt	3
HORT 582	Foundations of Hort Pest Mgt	1
HORT 583	Survey of Horticultural Ornamental	3
HORT 600	Herbaceous Landscape Plant Prod	3

Specialization electives from list below (10 cr)

AGRON 375	Soil Fertility	3
HORT 210	Concepts of Floral Design	3
HORT 275	Horticultural Design I	3
HORT 374	Woody Plant Materials I	3
Or		
HORT 375	Woody Plant Materials II	3
HORT 508	Landscape Maintenance	2
HORT 515	Basic Turfgrass Culture	2
HORT 550	Landscape Irrigation Systems	3
HORT 575	Nursery/Garden Cntr. Operations	3
HORT 585	Arboriculture	3
HORT 625	Floral Crops Prod & Handling	2

Free Electives 6-11

Greenhouse and Nursery Management specialization

HORT 570	Greenhouse Operations Mgmt	3
HORT 575	Nursery/Garden Cntr Ops	3
HORT 582	Foundations of Hort Pest Mgt	1
HORT 583	Survey of Horticultural Ornamental and Food Crop Pests	1
HORT 600	Herbaceous Landscape Plant Prod	3
HORT 625	Floral Crops Prod and Handling	2

Specialization electives from list below (9 cr)

HORT 374	Woody Plant Materials I	3
HORT 375	Woody Plant Materials II	3
HORT 376	Herbaceous Ornamental Plants	3
HORT 377	Plants Interior Environment	3

Specialization electives from list below (11 cr)

AGRON 330	Weed Science	3
HORT 210	Concepts Floral Design	3
HORT 275	Horticultural Design I	3
HORT 508	Landscape Maintenance	3
HORT 515	Basic Turfgrass Culture	2
HORT 595	Landscape Irrigation Systems	3
HORT 585	Arboriculture	3

Any other Horticulture course

HORT 374	Woody Plant Materials I	3
HORT 375	Woody Plant Materials II	3
HORT 570	Greenhouse Operations Mgmt	3
HORT 575	Nursery/Garden Cntr. Operations	3
Specialization electives: Choose 4 (12-13 cr)		
HORT 275	Concepts of Horticulture Design	3
HORT 376	Herbaceous Ornamental Plants	3
HORT 508	Landscape Maintenance	3
HORT 515	Turf Management	3
HORT 550	Landscape Irrigation Systems	3
HORT 585	Arboriculture	3
HORT 625	Floral Crops Prod & Handling	4
HORT 775	Plant Nutrition/Nutrient Mgmt	3

Landscape design specialization.....31

HORT 275	Concepts of Horticulture Design	4
HORT 374	Woody Plant Materials I	3
HORT 375	Woody Plant Materials II	3
HORT 376	Herbaceous Ornamental Plants	3
HORT 508	Landscape Maintenance	3
HORT 510	Horticulture Design	3
HORT 551	Landscape Contracts & Constr	3

Design elective _____ 3

Specialization electives from list below (6 cr)

HORT 515	Turf Management	3
HORT 545	Computer Applications in Design	

HORT 580	Advanced Horticulture Design	3
HORT 585	Arboriculture	3

Free Electives _____ 5-12

Landscape and turf management specialization.....27

AGRON 375	Soil Fertility	3
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Or

HORT 706	Turfgrass Science	3
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Landscape design specialization 29

HORT 275	<u>Horticultural Design I</u>	<u>3</u>
HORT 374	Woody Plant Materials I	3
HORT 375	Woody Plant Materials II	3
HORT 376	Herbaceous Ornamental Plants	3
HORT 508	Landscape Maintenance	<u>2</u>
HORT 510	<u>Horticultural Design II</u>	<u>2</u>
HORT 551	<u>The Business of Landscape Contracting</u>	<u>1</u>
HORT 552	<u>Horticultural Landscape Constr</u>	<u>1</u>
HORT 515	<u>Basic Turfgrass Culture</u>	<u>2</u>
HORT 582	<u>Foundations of Hort Pest Mgt</u>	<u>1</u>
<u>Pest management elective from list below (2 cr)</u>		
HORT 583	<u>Survey of Horticultural Ornamental and Food Crop Pests</u>	<u>1</u>
HORT 587	<u>Turfgrass Diseases & Mgt</u>	
HORT 588	<u>Turfgrass Weeds & Mgt</u>	
HORT 589	<u>Turfgrass Insects & Mgt</u>	

Specialization electives from list below (6 cr)

HORT 545	Computer Applications in Design	
HORT 550	<u>Landscape Irrigation Systems</u>	<u>3</u>
HORT 555	<u>Fund of Landscape Irrig Design</u>	<u>2</u>
HORT 580	Advanced Horticulture Design	3
HORT 585	Arboriculture	3
HORT 600	<u>Herbaceous Landscape Plant Prod</u>	

Free Electives _____ 7-14

Landscape management specialization..... 27

AGRON 375	Soil Fertility	3
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Or

HORT 706	Turfgrass Science	3
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HORT 374	Woody Plant Materials I	3
HORT 375	Woody Plant Materials II	3
HORT 376	Herbaceous Ornamental Plants	3
HORT 508	Landscape Maintenance	3
HORT 515	Turf Management	3
HORT 551	Landscape Contracts & Constr	3
HORT 585	Arboriculture	3
Specialization elective 3		

HORT 374	Woody Plant Materials I	3
HORT 375	Woody Plant Materials II	3
HORT 376	Herbaceous Ornamental Plants	3
HORT 508	Landscape Maintenance	2
HORT 515	<u>Basic Turfgrass Culture</u>	2
<u>HORT 550</u>	<u>Landscape Irrigation Systems</u>	3
HORT 551	<u>The Business of Landscape Contr</u>	
<u>HORT 552</u>	<u>Horticultural Landscape Constr</u>	1
<u>HORT 582</u>	<u>Foundations of Hort Pest Mgt</u>	1
HORT 585	Arboriculture	3

Pest management elective from list below (2 cr)

<u>HORT 583</u>	<u>Survey of Horticultural Ornamental and Food Crop Pests</u>	1
<u>HORT 587</u>	<u>Turfgrass Diseases & Mgt</u>	1
<u>HORT 588</u>	<u>Turfgrass Weeds & Mgt</u>	
<u>HORT 589</u>	<u>Turfgrass Insects & Mgt</u>	

Free Electives 4-12

Free Electives 7-12

Horticultural Therapy specialization

Math/chemical science.....10

~~CHM 210~~ Chemistry 1-4

MATH 100 College Algebra 3

~~STAT 320~~ Elements of Statistics 3

Or

~~STAT 330~~ Elementary Statistics for Social Sciences 3

Horticulture requirement.....23

HORT 190 Pre-Internship in Horticulture 1

HORT 201 Principles of Horticulture Science

HORT 350 Plant Propagation 3

HORT 520 Fruit Production 3

Or

HORT 560 Vegetable Crop Production 3

Horticulture electives 12

Horticultural Therapy specialization.....28

~~HORT 235~~ Intro to the Horticultural Therapy Profession 3

HORT 256 Human Dimensions of Hort. 3

HORT 374 Woody Plant Materials I 3

HORT 376 Herbaceous Ornamental Plants 3

HORT 377 Plants of the Interior Environmnt. 3

Horticultural Therapy specialization

Math/chemical science..... 10

CHM 110 General Chemistry 3

CHM 111 General Chemistry Lab 1

MATH 100 College Algebra 3

STAT 325 Intro to Statistics 3

Horticulture requirement 23

HORT 190 Pre-Internship in Horticulture 1

HORT 201 Principles of Horticulture Science

HORT 350 Plant Propagation 3

HORT 520 Fruit Production 3

Or

HORT 560 Vegetable Crop Production 3

HORT 599 The Horticultural Professional 0

HORT 582 Foundations of Hort Pest Mgt 1

HORT 583 Survey of Horticultural Ornamental and Food Crop Pests 1

Horticulture electives 10

Horticultural Therapy specialization..... 29

HORT 256 Human Dimensions of Hort. 3

HORT 374 Woody Plant Materials I 3

HORT 376 Herbaceous Ornamental Plants 3

HORT 377 Plants of the Interior Environmnt.

HORT 525	Horticulture for Special Pop.	3
HORT 530	Horticultural Therapy Case Mgmt	1
HORT 535	Horticultural Therapy Field Tech	
HORT 540	Horticultural Therapy Field Exp	
HORT 570	Greenhouse Operations Mgmt	3

Human science and service requirements.... 13

PHIL 365	Medical Ethics	3
PSYCH 505	Abnormal Psychology	3
PSYCH 520	Life Span Personality Dev	
SOCIO 520	Methods of Social Research	4

Professional electives..... 12

ANTH 204	Cultural Anthropology	3
ANTH 510	Kinship & Marriage in Cross Cult. Perspective	3
ANTH 511	Cultural Ecology & Economy	3
ANTH 618	Religion in Culture	3

AMETH 160	Intro Am Ethnic Studies	3
ART 560	Art for Exceptional Individual	3
BIOL 330	Public Health Biology	3
BIOL 340	Structure and Function of the Human Body	8
EDSP 500	Introduction to Human Exceptionality	3

FSHS 415	Manual Communication	3
FSHS 506	Middle Childhd. & Adolescence	3
GERON 315	Introduction to Gerontology	3
HIST 534	Social History of Medicine	3
KIN 220	Biobehavioral Bases of Exercise	3
KIN 345	Psychological Dynamics of Physical Activity	

PSYCH 202	Drugs & Behavior	2
PSYCH 280	Psychology of Childhood and Adolescence	3
PSYCH 510	Introduction to Behavior Modification	3
PSYCH 520	Life Span Personal Development	4
SOCIO 432	Comm Organ & Leadership	3
SOCIO 460	Juvenile Delinquency	3
THTRE 665	Drama Therapy with Special	

HORT 525	Horticulture for Special Pop.	3
HORT 530	Horticultural Therapy Case Mgmt	
HORT 535	Horticultural Therapy Field Tech	
HORT 540	Horticultural Therapy Field Exp	
HORT 570	Greenhouse Operations Mgmt	3
<u>HORT 600</u>	<u>Herbaceous Landscape Plant Prod</u>	
<u>HORT 625</u>	<u>Floral Crops Prod & Handling</u>	<u>2</u>

Human science and service requirements ... 12

<u>SOCIO 360</u>	<u>Social Problems</u>	<u>3</u>
PSYCH 505	Abnormal Psychology	3
PSYCH 520	Life Span Personality Dev	
<u>THTRE 665</u>	<u>Drama Therapy with Special Pop.</u>	

Professional electives 12

ANTH 204	Cultural Anthropology	3
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AMETH 160	Intro Am Ethnic Studies	3
BIOL 330	Public Health Biology	3
EDSP 500	Introduction to Human Exceptionality	3
<u>FSHS 110</u>	<u>Intro Human Development</u>	<u>3</u>
<u>FSHS 310</u>	<u>Early Childhood</u>	
<u>FSHS 350</u>	<u>Family Relationships & Gender Roles</u>	<u>3</u>

FSHS 415	Manual Communication	3
FSHS 506	Middle Childhood & Adolescence	
GERON 315	Introduction to Gerontology	3
HIST 534	Social History of Medicine	3
KIN 220	Biobehavioral Bases of Exercise	3
KIN 345	Psychological Dynamics of Physical Activity	

<u>MC 180</u>	<u>Fundamentals of Public Relations</u>	
<u>PHIL 365</u>	<u>Medical Ethics</u>	<u>3</u>
PSYCH 202	Drugs & Behavior	2
PSYCH 280	Psychology of Childhood and Adolescence	3
<u>PSYCH 470</u>	<u>Psychobiology</u>	<u>3</u>
<u>PSYCH 535</u>	<u>Social Psychology</u>	<u>3</u>
<u>SOCIO 361</u>	<u>Soc. Of Criminal Justice Systems</u>	
SOCIO 432	Comm Organ & Leadership	3
SOCIO 460	Juvenile Delinquency	3

Populations _____ 3

OR

~~THRE 674 Drama Therapy with Adolescents~~ _____

OR

~~THRE 675 Drama Therapy with Older Adults~~ 3

Golf Course Management Specialization

Technical core.....20

BIOL 198 Principles of Biology 4

~~CHEM 210 Chemistry I~~ 4

Computer science elective 3

MATH 100 College Algebra 3

MATH 205 General Calc & Linear Algebra

Statistics elective 3

Internship.....6

HORT 190 Pre-Internship in Horticulture 1

HORT 590 Horticulture Internship 2

(at a golf facility)

HORT 590 Horticulture Internship 3

(at a golf facility)

Or

HRIMD 495/
GENBA 495 Golf Course Internship in
Business/Hospitality Management

Turf Management39

GENAG 101 Ag Orientation 1

AGRON 305 Soils 4

AGRON 335 Environmental Quality 3

Or

FOR 375 Intro to Natural Resources Mgt 3

AGRON 375 Soil Fertility 3

ATM 653 Water Management and Irrigation

Systems 3

Or

HORT 550 Landscape Irrigation Systems 3

HORT 201 Principles of Hort Science 4

HORT 374 Woody Plant Materials I 3

Or

HORT 375 Woody Plant Materials II 3

HORT 515 Turf Management 3

HORT 517 Golf Course Operations 3

HORT 706 Turfgrass Science 3

PLPTH 500 Principles of Plant Pathology 3

Golf Course Management Specialization

Technical core 20

BIOL 198 Principles of Biology 4

CHEM 110 General Chemistry 3

CHEM 111 General Chemistry Lab 1

Computer science elective 3

MATH 100 College Algebra 3

MATH 205 General Calc & Linear Algebra 3

Statistics elective 3

Internship 6

HORT 190 Pre-Internship in Horticulture 1

HORT 590 Horticulture Internship 2

(at a golf facility)

HORT 590 Horticulture Internship 3

(at a golf facility)

Or

HRIMD 495/
GENBA 495 Golf Course Internship in
Business/Hospitality Management

HORT 599 The Horticultural Professional

Turf Management40

GENAG 101 Ag Orientation 1

AGRON 305 Soils 4

AGRON 335 Environmental Quality 3

Or

FOR 375 Intro to Natural Resources Mgt 3

AGRON 375 Soil Fertility 3

ATM 653 Water Management and Irrigation

Systems 3

Or

HORT 550 Landscape Irrigation Systems 3

HORT 201 Principles of Hort Science 4

HORT 374 Woody Plant Materials I 3

Or

HORT 375 Woody Plant Materials II 3

HORT 515 Basic Turfgrass Culture 2

HORT 516 Intensive Culture of Golf and
Sports Turf 1

HORT 517 Golf Course and Sports Turf
Operations 3

HORT 706 Turfgrass Science 3

PLPTH 500 Principles of Plant Pathology 3

		<u>HORT 582</u>	<u>Foundations of Hort Pest Mgt</u>	<u>1</u>
		<u>HORT 587</u>	<u>Turfgrass Diseases & Mgt</u>	<u>1</u>
		<u>HORT 588</u>	<u>Turfgrass Weeds & Mgt</u>	
		<u>HORT 589</u>	<u>Turfgrass Insects & Mgt</u>	
Horticulture elective	3	Horticulture elective		3
Pest management elective	3			
Free electives	7-9	Free electives		<u>6-8</u>

RATIONALE:

Quantitative sciences: the change from CHM 210 to CHM 110/111 is due to our recognition that CHM 110/111 offers the knowledge of chemistry necessary for the horticulture major; BIOCHM 265 is required rather than one of two Organic chemistry electives, this change is required since the other elective requires CHM 210; removing computer science elective choices in recognition that the majority of our students come to us with acceptable computer skills

Horticulture requirement: the pest management elective has been incorporated into each of the specialization curricula, all hort students will be required to take HORT 582 Foundations of Hort Pest Management and depending on the specialization, also choose 1-3 additional credits from a list of approved courses; the addition of HORT 599 The Horticultural Professional is a new course required of all hort majors, this is a capstone course of a 3-course series (HORT 190, 590, 599) that focuses on the hort industry and serves as a mechanism to collect end-program assessments

Specializations: Changes within each specialization reflect changes in existing courses being put forth at this time and the addition of new courses being put forth at this time. Specialization name changes more accurately reflect the curriculum. Combining the nursery management and greenhouse specializations recognizes the considerable overlap and the fact we can serve our students better within the context of one specialization

IMPACT: All units who will be impacted by the above changes have been contacted.

EFFECTIVE DATE: Fall 2008

Sports Turf Operations Management (New Option under the Horticulture major)

Technical Core 20 hours

BIOL 198	Principles of Biology	4
CHM 110	General Chemistry	3
CHM 111	General Chemistry Lab	1
Computer Science Elective		3
Math 100	College Algebra	3
Math 205	General Calculus & Linear Algebra	3
Statistics elective		

Communication and Interpersonal Relations..... 17 hours

ENGL 100	Expository Writing I	3
ENGL 200	Expository Writing II	3
SPCH 105	Public Speaking 1A	2
Communications Electives		9

Internship..... 6 hours

HORT 190	Pre-Internship in Horticulture	1
HORT 590	Horticulture Internship	2
HORT 590	Horticulture Internship	3

Humanities and Social Sciences 14 hours

ECON 110	Prin. of Macroeconomics	3
ECON 120	Prin. of Microeconomics	3
OR		
AGEC 120	Agric. Econ. And Agric. Bus	3
Humanities and Social Science Elective		3
Foreign Language Elective		3-5

Business Management 15 hours

ACCTG 231	Accounting for Business Ops.	3
MANGT 420	Management Concepts	3
MKTG 400	Marketing	3
MANGT 531	Human Resource Management	3
MKTG 630	Sports Marketing	3

Turf Management..... 47 hours

GENAG 101	Ag Orientation	1
AGRON 305	Soils	
AGRON 335	Environmental Quality	3
	OR	
FOR 375	Intro. to Natural Resource Management	3
AGRON 375	Soil Fertility	3
ATM 653	Water Mgt. and Irrigation Systems	
	OR	
HORT 550	Landscape Irrigation Systems	3
HORT 201	Principles of Horticultural Science	
HORT 374	Woody Plant Materials I	3
	OR	
HORT 376	Herbaceous Ornamental Plants	3
HORT 515	Basic Turfgrass Culture	2
HORT 516	Intensive Culture of Golf and Sports Turf	1
HORT 517	Golf Course and Sports Turf Operations	3
HORT 706	Turfgrass Science	3
PLPTH 500	Principles of Plant Pathology	3
RRES 690	Parks and Recreation Adm.	4
RRES 489	Program and Event Planning	3
Horticulture Elective		3
HORT 582	Foundations of Horticultural Pest Management	1
HORT 587	Turfgrass Diseases and their Management	1
HORT 588	Turfgrass Weeds and their Management	1
HORT 589	Turfgrass Insects and their Management	1
	Hospitality 4 hours	
HRIMD 220	Environmental Issues in Hosp.	2
HRIMD 340	Contemporary Issues in Controlled Beverages	2

Free Electives 7 hours

Total Credit Hours Required for Graduation 130

RATIONALE:

Sports Turf Operations Management is proposed as a new specialization under the Horticulture major in the Department of Horticulture, Forestry and Recreation Resources. There is a growing demand for professionals in this area and we believe the proposed curriculum is unique and will prepare graduates well for careers in this area. The Sports Turf Operations Management option was prepared with input from the Board of Directors of the Sports Turf Managers Association (STMA). This included comments from sports turf managers overseeing sports turf and related operations for major league baseball, the NFL, and K-12 school districts (see following pages). The national sports turf sales manager for the Toro Corporation is an adjunct faculty in our department, and will be involved in student instruction for 1 to 2 weeks every year.

Modeled after our Golf Course Management program, the Sports Turf Operations Management option places an emphasis on horticulture and turfgrass science, and complements this with course work in communications, business, and hospitality. The STMA members repeatedly emphasized the importance of business and communications and supported the inclusion of some hospitality courses. The importance of work experience prior to graduation is again emphasized with 6 credits of internship required.

In summary, we believe the proposed Sports Turf Operations Management option will be unique in the U.S., much as our current Golf Course Management program is, and will produce graduates well prepared for the challenges of this growing industry.

IMPACT:

All impacted units have been contacted.

EFFECTIVE DATE:

Fall 2008

Public Horticulture (new option)

Communications 11 hours

ENGL 100	Expository Writing I	3
ENGL 200	Expository Writing II	3
SPCH 105	Public Speaking 1 A	2
SPCH 311	Business and Professional Spkg.	3

Humanities and Social Sciences 9 hours

PSYCH 110	General Psychology	3
SOCIO 211	Intro to Sociology	3
AMETH 160	Intro to American Ethnic Studies	3

Math/Chemical Sciences 10 hours

CHM 110	General Chemistry	3
CHM 111	General Chemistry Lab	1
MATH 100	College Algebra	3
	Statistics Elective	3
	Choose from STAT 325 or 350	

Agric/Biological Sciences 19 hours

AGRON 305	Soils	4
BIOL 198	Principles of Biology	4
BIOL 551	Taxonomy of Flowering Plants	4
	Entomology Elective	3
GENAG 101	Ag Orientation	1
PLPTH 500	Principles of Plant Pathology	3

Business 12 hours

ACCTG 231	Accounting for Bus Operations	3
AGEC 120	Ag Econ & Ag Business	3

OR

ECON 120	Microeconomics	3
MANGT 420	Management Concepts	3
MANGT 531	Human Resources Management	3

Horticulture Requirement 13 hours

HORT 190	Pre-Internship in Horticulture	1
HORT 201	Principles of Horticultural Science	
HORT 350	Plant Propagation	3
HORT 590	Internship	5

At public garden facilities. One in horticulture, one in education

HORT 599	The Horticultural Profession	0
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Public Horticulture Specialization 31 hours

HORT 256	Human Dimensions in Hort	3
HORT 275	Horticultural Design I	3
HORT 301	Horticulture Practicum	3
HORT 508	Landscape Maintenance	2
HORT 360	Public Horticulture	3
HORT 570	Greenhouse Operations Mangt.	3
HORT 582	Foundations of Horticulture Pest Management	1
HORT 600	Herbaceous Landscape Plant Prod	
	Plant materials electives (6 cr.)	
HORT 515	Basic Turfgrass Culture	2
HORT 552	Hort Landscape Construction	1
HORT 555	The Fundamentals of Landscape Irrigation Design	2
HORT 585	Arboriculture	3
HORT 625	Floral Crops Production and Handling	2

Professional electives from list below 12 hours

EDADL 212	Intro to Leadership Concepts	2
EDCI 704	Extension Organization & Prin	3
EDCI 706	Prin of Teaching Adults in Extension	3
GEOG 300	Geography of Tourism	3
HRIMD 120	Survey of the Hospitality Industry	
HRIMD 230	Issues in Tourism	2
RRES 489	Program & Event Planning	3
MC 120	Principles of Advertising	3
MC 180	Fundamentals of Public Relations	
PSYCH 564	Psychology of Organizations	3
RRES 635	Methods of Environmental Interp	

Free Electives 13 hours

TOTAL CREDITS FOR GRADUATION 130

RATIONALE:

The public horticulture option is intended for students interested in professional careers which promote horticulture and emphasize people and their education and enjoyment of plants. Such careers include director of a botanical garden or park; city or urban horticulturist; extension agent, teacher, educational director, or program coordinator; professional garden writer/editor or publication manager; public garden curator; and plant collections manger. Initial work on developing this specialization was based on recent and current student interest and the fact that very few universities offer this specialization. Additionally, with the continuing development of the K-State Gardens, K-State has the unique opportunity to become a model university garden demonstrating dynamic linkages between the Gardens and an academic unit of the University. While university gardens are not unique, embedding an academic discipline within a university garden is unique. The creation of the Public Horticulture specialization is one step in the Horticulture Divisions plan to establish K-State Gardens as a model university garden.

IMPACT:

No impact outside our department.

EFFECTIVE DATE:

Fall 2008

ATTACHMENT 2
ACADEMIC FRESH START GPA AND ACADEMIC FORGIVENESS GPA POLICY
CAPP POLICY – APPROVED BY CAPP ON 9-12-07
APPROVED BY ACADEMIC AFFAIRS ON 9-18-07

Expanded Rationale Statements for Recommended Changes to Academic Fresh Start Policy
(now includes the additional Academic Forgiveness Policy)

1. Although the numbers are small, since the Academic Fresh Start policy was initiated it has helped students with retention and persistence to graduation. There have been 140 students granted this option between 1997 and 2006, and the vast majority of these students who have benefited from Academic Fresh Start have graduated.
2. The addition of the Academic Forgiveness policy will minimize academic penalties to students who are subject to extenuating circumstances beyond their control, which have caused drastic changes to their academic performance for one or two consecutive semesters.
3. The resulting action of the Academic Fresh Start and Academic Forgiveness policies does not change grades or the cumulative GPA. The effect of these policies is to provide a second GPA (Academic Fresh Start GPA or Academic Forgiveness GPA) that excludes the effect of a student's atypical performance caused by situations considered by these two policies. This second GPA is therefore a truer expression of a student's academic abilities and performance.
4. The Academic Fresh Start GPA and the Academic Forgiveness GPA would remove the undesirable stigma of a GPA below a student's abilities, and may allow under specified conditions the consideration of the student for university academic honors, scholarships, and professional programs. Some GPA requirements would not be affected, such as graduate school requirements and those leading to teacher licensure.
5. Having a written policy in place will create a consistent guideline to be used across colleges. Students and advisors will be aware that Academic Forgiveness is an option for students for whom extenuating circumstances caused drastic changes to their academic performance.
6. In order to be in line with the current Academic Dismissal Policy (12 hours with 2.2 semester GPA for immediate reinstatement), the proposed semester GPA required to apply for either of the Academic Fresh Start and Academic Forgiveness policies is a 2.2 (whereas the present Academic Fresh Start policy requires a 2.5 GPA).
7. A student may apply only once, and to only one or the other policy, and the process cannot be reversed.
8. Deans or their designees will still have the discretion to approve or not approve an application for Academic Fresh Start or Academic Forgiveness.

ACADEMIC FRESH START GPA POLICY and ACADEMIC FORGIVENESS GPA POLICY

Approved by CAPP 9-12-07

The **Academic Fresh Start** and *Academic Forgiveness* Policies enable an undergraduate student to neutralize, in part, the grade impact of prior academic performance. **Academic Fresh Start** and *Academic Forgiveness* provide for the computation of an alternative GPA and for the use of that GPA in most academic situations. A student may apply only once, and to only one or the other, and the process cannot be reversed. A student may not apply for either policy until he or she has been reinstated into his or her college.

I. Conditions for a readmitted student to be eligible to apply for **Academic Fresh Start** are:

- A) The student was not enrolled in a K-State course for three (3) calendar years prior to readmission.
- B) After readmission, the student earned a K-State GPA of 2.2¹ or higher at the end of the academic session in which the twelfth credit was earned.
- C) Up to 60 consecutive hours² of course work and K-State GPA may be restricted from the regular GPA calculation. The beginning point for the **Academic Fresh Start** GPA shall be the first, second, third, fourth, or fifth³ academic semester of enrollment following the student's initial K-State date of entry. The choice of the starting point is designated by the student at the time of application for **Academic Fresh Start** and hours excluded from the calculation must be consecutive.

II. Conditions for a student to be eligible to apply for *Academic Forgiveness* are:

- A) The student experienced one or more extenuating circumstances which caused a drastic change to the student's academic performance in one or two semesters.
- B) After the session(s) affected by the extenuating circumstance, the student earned a K-State GPA of 2.2 or higher at the end of the academic session in which the twelfth credit was earned.
- C) Grades from up to two (2) consecutive semesters may be excluded from the regular cumulative GPA calculation.⁴
- D) The student's dean or designee may request documentation confirming the extenuating circumstances with the application for *Academic Forgiveness*.

¹ Rationale: This is the GPA standard to which all students are held in the Academic Dismissal Policy.

² Rationale: This change will accommodate students who do not take traditional full-time semesters.

³ Rationale: This change will accommodate students who do not take traditional full-time semesters.

⁴ Rationale: It is assumed that the negative impact of the extenuating circumstance(s) will be diminished within two semesters.

III. The calculation and reporting of **Academic Fresh Start** or *Academic Forgiveness* GPA and their uses in academic evaluation are:

- A) **Academic Fresh Start** or *Academic Forgiveness* deletes nothing from the student's academic record. Grades earned before the **Academic Fresh Start** or *Academic Forgiveness* will remain on the transcript along with the cumulative GPA for all hours taken.
- B) The transcript will clearly indicate the starting point of the **Academic Fresh Start/Academic Forgiveness** as well as the **Academic Fresh Start/Academic Forgiveness** GPA.
- C) University-wide academic policies based on a cumulative GPA generally will use the **Academic Fresh Start** or *Academic Forgiveness* GPA. However, academic programs are not required to use **Academic Fresh Start** or *Academic Forgiveness* GPAs. Some programs, such as those in the graduate school or those leading to teacher licensure, may use all grades for the calculation of the GPA.
- D) In order for students in the **Academic Fresh Start** or *Academic Forgiveness* program to be eligible for university academic honors, they must complete a minimum of 60 hours in residence, with at least 50 hours in graded courses after the **Academic Fresh Start** or *Academic Forgiveness* begins. Other academic policies will not be affected.

IV. Procedures for applying for **Academic Fresh Start** or *Academic Forgiveness* are:

- A) A student applies for **Academic Fresh Start** GPA or *Academic Forgiveness* GPA through the deans or their designees of the college in which the student is enrolled.
- B) A student must apply no later than the academic term prior to the one when the degree will be granted. (Students wishing to apply are encouraged to do so as soon as possible after qualifying).
- C) When applying, the student must indicate the point at which he or she wishes the **Academic Fresh Start** or *Academic Forgiveness* GPA to begin.
 - 1. For readmitted students applying for **Academic Fresh Start**, the choices are: the end of the first, second, third, fourth or fifth semester, following the student's initial K-State date of entry.
 - 2. For students who experienced extenuating circumstances and are applying for *Academic Forgiveness*, the semester(s) will be selected in consultation with the deans or their designees.

ATTACHMENT 3
Proposal to Modify Semester Final Exam Policy
Approved by CAPP on October 10, 2007
Approved by Academic Affairs on December 4, 2007

Proposal: Semester final exams for courses that begin before 5:00 PM and meet only once weekly will be scheduled according to the regular semester final examination schedule.

Rationale: The proposal will move semester final exams for courses *that begin before 5:00 PM and meet only once weekly* from the last week of classes to the semester final examination period. This change will bring current practice into compliance with current policy (University Handbook, F70) and resolve faculty concerns about instructional time lost when semester final exams are scheduled during the last class period.

Effective Date: Spring 2009

Approved by Committee on Academic Policies and Procedures, October 10, 2007
Approved by Faculty Senate Academic Affairs Committee, December 4, 2007

Semester Final Exam Schedule

(F07 exam schedule used as example)

Change from:

II. Exams for Other Courses that Begin Before 5:00 p.m.

1. Courses that meet on MTWUF, MTWF, MW, TWUF, WF, MWF, MT, MU, ~~and~~ MF will be examined during the period designated by a W and the time that the regular course session begins. For example a course that regularly meets MWF at 11:30 a.m. will be examined on Thursday, December 13, 11:40 to 1:40 p.m.
2. Courses that meet on TU, TUF, MTU, TF, ~~and~~ UF will be examined during the period designated by a T and the time that the regular course session begins. For example, a course that regularly meets TU at 8:05 a.m. will be examined on Monday, December 10, 2:00 p.m.-3:50 p.m.

~~3. Courses that meet only once a week will be examined as follows:~~

~~Monday: December 3
Tuesday: December 4
Wednesday: December 5
Thursday: December 6
Friday: December 7~~

Change to:

II. Exams for Other Courses that Begin Before 5:00 p.m.

1. Courses that meet on MTWUF, MTWF, MW, TWUF, WF, MWF, MT, MU, MF, M, W, and F will be examined during the period designated by a W and the time that the regular course session begins. For example a course that regularly meets MWF at 11:30 a.m. will be examined on Thursday, December 13, 11:40 to 1:40 p.m.
2. Courses that meet on TU, TUF, MTU, TF, UF, T, and U will be examined during the period designated by a T and the time that the regular course session begins. For example, a course that regularly meets TU at 8:05 a.m. will be examined on Monday, December 10, 2:00 p.m.-3:50 p.m.

Student Exam Conflicts

(F07 exam schedule used as example)

Change from:

IV. General Information

A. Student Exam Conflicts

1. Students scheduled to take a group examination at the time of the evening final examination will take the evening course examination at a time to be arranged during final exam week in consultation with the evening course instructor.
2. Students who have more than two examinations scheduled in a 24-clockhour period (a 24 hour period starting at any time) may petition for a final exam change in the following manner:
 - a. Petition the instructor(s) of the highest numbered course(s) to schedule an alternative time to take the final examination(s) during final exam period.
 - b. If the necessary rescheduling cannot be resolved through the instructor(s) involved and both courses are in the same college, the academic dean will make the rescheduling decision.
 - c. If the scheduling cannot be resolved through the instructors and the courses are in different colleges, the University Provost will make the rescheduling decision.
3. Students must notify the instructor(s) involved and have resolved final examination conflicts at least seven days prior to the beginning of finals week.

Change to:

IV. General Information

A. Student Exam Conflicts

1. Students scheduled to take a group examination at the time of the evening final examination will take the evening course examination at a time to be arranged during final exam week in consultation with the evening course instructor.
2. Students who have more than two examinations scheduled in a 24-clockhour period (a 24 hour period starting at any time) **or who have conflicting exam times** may petition for a final exam change in the following manner:
 - a. Petition the instructor(s) of the highest numbered course(s) to schedule an alternative time to take the final examination(s) during final exam period.
 - b. If the necessary rescheduling cannot be resolved through the instructor(s) involved and both courses are in the same college, the academic dean will make the rescheduling decision.
 - c. If the scheduling cannot be resolved through the instructors and the courses are in different colleges, the University Provost will make the rescheduling decision.
3. Students must notify the instructor(s) involved and have resolved final examination conflicts at least seven days prior to the beginning of finals week.

Resolution of Exam Room Conflicts (F07 Exam Schedule used as example)

Change from:

IV. General Information

B. Faculty Information

1. No course shall meet after December 7, and all examinations shall be given as scheduled.
2. Departmental schedulers should schedule general use classroom space for final examination for evening courses ~~and~~ group examinations by contacting University Facilities Management Room Scheduling and completing a "Request for Use of University Buildings and Grounds" form.
3. Grades should be submitted before or on the due date/time to the Enrollment Services Office, 210 Willard Hall.
 - a. Monday, December 17, NOON
 - 1) For all scheduled final exams given on December 10, 11 or 12.
 - ~~2) For day courses (starting before 5:00 p.m.) that meet only once a week.~~
 - 3) For section type "appt" courses.
 - 4) For evening courses that have scheduled final examination on December 3, 4, or 5 evenings.
 - b. Wednesday, December 19, NOON
 - 1) For scheduled final examinations given December 13 or 14.
 - 2) For evening courses that have scheduled final examinations on December 6 or 7 evenings.
4. Faculty Senate Handbook—Final Exam Policy – <http://www.k-state.edu/academicservices/fhbook/fhsecf.htm>

Change to:

IV. General Information

B. Faculty Information

1. No course shall meet after December 7, and all examinations shall be given as scheduled.
2. Departmental schedulers should schedule general use classroom space for final examination for evening courses, group examinations, **and courses with room conflicts** by contacting University Facilities Management Room Scheduling and completing a "Request for Use of University Buildings and Grounds" form.
3. Grades should be submitted before or on the due date/time to the Enrollment Services Office, 210 Willard Hall.
 - a. Monday, December 17, NOON
 - 1) For all scheduled final exams given on December 10, 11 or 12
 - 2) For section type "appt" courses.
 - 3) For evening courses that have scheduled final examination on December 3, 4, or 5 evenings.
 - b. Wednesday, December 19, NOON
 - 1) For scheduled final examinations given December 13 or 14.
 - 2) For evening courses that have scheduled final examinations on December 6 or 7 evenings.
4. Faculty Senate Handbook—Final Exam Policy – <http://www.k-state.edu/academicservices/fhbook/fhsecf.htm>

Effective Date: Spring 2009

University Handbook – Change to Section F71 Examinations

Change from:

F70 Semester final examinations are scheduled by the Committee on Academic Policy and Procedures. Once the final examination time for a course is published on the web under “Course Schedules,” it may be changed only with the concurrence of the university provost. Faculty members may assign take-home examinations, projects, papers or other media in lieu of a written final examination. In such instances, the deadline for submittal of the alternative assessment may not be earlier than the end of the scheduled final examination period for the course.

Except for honors, problems, seminar, reports, research, laboratory practical, language, studio and fine arts performance classes, the last examination (either unit or comprehensive) must be given during the final examination period published on the web. No examination (unit or final) may be scheduled seven calendar days prior to the first scheduled day of semester examinations. (FSM 5/13/03)

F71 Faculty members may not give the last examination at a time other than that published in the class schedule. The final examination may be given to an individual student under special circumstances at another time during final examinations. In particular, students who have more than two examinations scheduled in a 24-clock hour period (a 24-hour period starting at any time) may petition the instructor(s) of the highest numbered course(s) and schedule an alternative time for taking the final examination(s) at some other time during final examinations. If a student is unable to arrange the necessary rescheduling through the instructors involved, then the academic dean will resolve the overload problem, if all the scheduled examinations are within the same college. If the examinations in question are within the jurisdiction of different colleges, decisions regarding rescheduling shall be made by the university provost.

Effective Date: Spring 2009

Change to:

F70 Semester final examinations are scheduled by the Committee on Academic Policy and Procedures. Once the final examination time for a course is published on the web under “Course Schedules,” it may be changed only with the concurrence of the university provost. Faculty members may assign take-home examinations, projects, papers or other media in lieu of a written final examination. In such instances, the deadline for submittal of the alternative assessment may not be earlier than the end of the scheduled final examination period for the course.

Except for honors, problems, seminar, reports, research, laboratory practical, language, studio and fine arts performance classes, the last examination (either unit or comprehensive) must be given during the final examination period published on the web. No examination (unit or final) may be scheduled seven calendar days prior to the first scheduled day of semester examinations. (FSM 5/13/03)

F71 Faculty members may not give the last examination at a time other than that published in the class schedule. The final examination may be given to an individual student under special circumstances at another time during final examinations. In particular, students who have more than two examinations scheduled in a 24-clock hour period (a 24-hour period starting at any time) **and students who have conflicting exam times** may petition the instructor(s) of the highest numbered course(s) and schedule an alternative time for taking the final examination(s) at some other time during final examinations. If a student is unable to arrange the necessary rescheduling through the instructors involved, then the academic dean will resolve the overload problem, if all the scheduled examinations are within the same college. If the examinations in question are within the jurisdiction of different colleges, decisions regarding rescheduling shall be made by the university provost.

ATTACHMENT 4
University Handbook Changes – Section D40, Consulting Days
Proposed by University Administration on August 30, 2007
Approved by the Faculty Affairs Committee on October 6, 2007

Proposed change: Increase the number of consulting days from two to four.

D40 Faculty members ~~are encouraged to~~ and unclassified professionals may accept outside consulting assignments that support professional growth, as long as the assignments do not interfere with the effective discharge of university responsibilities. Faculty members and unclassified professionals who perform consulting services outside the university must obtain prior approval of ~~their department head, and dean.~~ the appropriate administrators, e.g. department head and dean. Such outside activities are to be reported in writing on the consulting request form for inclusion in personnel files kept in the office of the appropriate administrators ~~department head and dean~~ and in the provost's office. For faculty members only, personal, professional activities that occur within a single 24-hour period need not have prior approval but must be reported annually in writing on the Annual Declaration and Disclosure form. Normally, faculty members and unclassified professionals are allowed ~~two~~ four working days per month on the average to participate in consulting activities. Regular instructional service to other educational institutions while fulfilling contractual responsibilities to K-State normally is not considered an appropriate consulting activity (See K-State Policy on Conflict of Interest and Conflict of Time Commitment, Appendix S).

Rationale: This increase in allowable consulting time is consistent with what many other research institutions allow and will complement recent discussions relative to entrepreneurial activities.

ATTACHMENT 5

KANSAS STATE UNIVERSITY ACADEMIC CALENDAR Fall 2008 through Summer 2013

Fall Semester	Fall 2008	Fall 2009	Fall 2010	Fall 2011	Fall 2012
First Day of Classes	Aug 25 M	Aug 24 M	Aug 23 M	Aug 22 M	Aug 20 M
University Holiday	Sept 1 M	Sept 7 M	Sept 6 M	Sept 5 M	Sept 3 M
Student Holiday (Fall Break)	Oct 6 M	Oct 5 M	Oct 4 M	Oct 3 M	Oct 1 M
Student Holiday	Nov 26-28 W-F	Nov 25-27 W-F	Nov 24-26 W-F	Nov 23-25 W-F	Nov 21-23 W-F
University Holiday	Nov 27-28 U-F	Nov 26-27 U-F	Nov 25-26 U-F	Nov 24-25 U-F	Nov 22-23 U-F
Last Day of Classes	Dec 12 F	Dec 11 F	Dec 10 F	Dec 9 F	Dec 7 F
Commencement	Dec 12, 13 F, S	Dec 11-12 F, S	Dec 10-11 F, S	Dec 9-10 F, S	Dec 7-8 F, S
First Day of Exams	Dec 15 M	Dec 14 M	Dec 13 M	Dec 12 M	Dec 10 M
Last Day of Exams	Dec 19 F	Dec 18 F	Dec 17 F	Dec 16 F	Dec 14 F
Class Days – Exam Days	75 - 5	75-5	75-5	75-5	75-5
Total Days of week	M-14, T-16, W-15, U-15, F-15	M-14, T-16, W-15, U-15, F-15	M-14, T-16, W-15, U-15, F-15	M-14, T16, W-15, U-15, F-15	M-14, T16, W-15, U-15, F-15
Spring Semester	Spring 2009	Spring 2010	Spring 2011	Spring 2012	Spring 2013
First Day of Classes	Jan 15 U	Jan 14 U	Jan 13 U	Jan 12 U	Jan 17 U
University Holiday	Jan 19 M	Jan 18 M	Jan 17 M	Jan 16	Jan 21 M
Student Holiday (Spring Break)	Mar 16-20 M-F	Mar 15-19 M-F	Mar 21-25 M-F	Mar 19-23 M-F	Mar 18-22 M-F
Last Day of Classes	May 8 F	May 7 F	May 6 F	May 4 F	May 10 F
First Day of Exams	May 11 M	May 10 M	May 9 M	May 7 M	May 13 M
Last Day of Exams	May 15 F	May 14 F	May 13 F	May 11 F	May 17 F
Commencement	May 15, 16 F, S	May 14, 15 F, S	May 13, 14 F, S	May 11, 12 F-S	May 17-18 F, S
Class Days – Exam Days	76 - 5	76-5	76-5	76-5	76-5
Total Days of week	M-14, T-15, W-15, U-16, F-16	M-14, T-15, W-15, U-16, F-16	M-14, T-15, W-15, U-16, F-16	M-14, T-15, W-15, U-16, F-16	M-14, T-15, W-15, U-16, F-16
Summer Semester	Summer 2009	Summer 2010	Summer 2011	Summer 2012	Summer 2013
First Day of 1st 6-wk Class	May 26 T	May 24 M	May 23 M	May 21 M	May 28 T
University Holiday	May 25 M	May 31 M	May 30 M	May 28 M	May 27 M
First Day of 8-wk /1st 4-wk Class	June 8 M	June 7 M	June 6 M	June 4 M	June 10 M
Last Day of 1st 4-wk/6-wk Class	July 2 U	July 2 F	July 1 F	June 29 F	July 5 F
First Day 2nd 4-wk/6-wk Class	July 6 M	July 6 T	July 5 T	July 2 M	July 8 M
University Holiday	July 3 F	July 5 M	July 4 M	July 4 W	July 4 U
Last Day of 8-wk/2nd 4-wk Class	July 31 F	July 30 F	July 29 F	July 27 F	Aug 2 F
Last Day of 2nd 6-wk Class	Aug 14 F	Aug 13 F	Aug 12 F	Aug 10 F	Aug 16 F
Class days:					
8-week class	39	39	39	39	39
1 st 6-week class	28	29	29	29	28
2 nd 6-week class	30	29	29	29	30
1 st 4-week class	19	20	20	20	19
2 nd 4-week class	20	19	19	19	20

N – Sunday, M – Monday, T – Tuesday, W – Wednesday, U – Thursday, F- Friday, S – Saturday

Intersession **	F08 – U09	F09-U10	F10-U11	F11-U12	F12-U13
January Intersession	Dec 29 – Jan 14	Dec 28 – Jan 13	Dec 27 – Jan 12	Dec 27 - Jan 11	Dec 27 - Jan 16
May Intersession	May 18 – June 5	May 17 – Jun 4	May 16 - Jun 3	May 14 - Jun 1	May 20 - Jun 7
August Intersession	Aug 3 – Aug 21	Aug 2 – Aug 20	Aug 1 - Aug 19	July 30 - Aug 17	Aug 5 - Aug 21

These dates are subject to any semester changes in beginning and ending dates.

LEGEND

Dates not highlighted above have been approved by K-State and the Kansas Board of Regents.

Dates highlighted in grey denote calendar dates that were approved by Academic Calendar Committee, and submitted but not yet approved by Faculty Senate.