

AGENDA
Faculty Senate Executive Committee
Monday, April 26, 2010 3:30 pm
Union Room 213

1. Call to Order
2. Approval of March 29, 2010 Executive Committee minutes
3. Report from Standing Committees and Student Senate
 - A. Academic Affairs Committee – Barney King
 1. Items for May Faculty Senate consent agenda – pages 2-12 (**including Attachment 1**)
 - B. Faculty Affairs Committee – Judy Hughey/Kaleen Knopp
 1. Modified Instructional Duties – **Attachment 2**
 2. Dependent Tuition Waiver Resolution – **Attachment 3**
 - C. Faculty Senate Committee on Technology – Tweed Ross
 - D. Faculty Senate Committee on University Planning – Tom Vontz
 - E. Student Senate – Kyle Reynolds
4. Announcements
 - A. President/Faculty Senate Leadership Council
 - B. Caucus Chair reports
5. New Business
 - A. Officers of Faculty Senate for 2010-2011
 1. Secretary
 2. President-Elect
 - B. Approve Richard Zajac to replace Fred Guzek for the remainder of his term on Faculty Senate (2010-2011).
6. For the Good of the University
7. Adjournment

Next meeting: Monday, May 24, 2010; 3:30 p.m., Union room 213

ACADEMIC AFFAIRS

Course and Curriculum Changes – Proposed consent agenda items

A. Approve to place the following undergraduate and graduate course and curriculum items as well as the graduation list items on the May Faculty Senate consent agenda (refer to approval sheets for further details)::

1. Undergraduate course and curriculum changes:

COURSE CHANGES AND ADDITIONS:

College of Agriculture (March 23, 2010 approval sheets)

Department of Animal Sciences and Industry

Changes to:

ASI 318 Fundamentals of Nutrition

Department of Grain Science and Industry

Add:

GRSC 210 CAD Flow Sheets for Grain Processes

GRSC 310 Materials Handling

GRSC 590 Grain Science Problems

CURRICULUM CHANGES:

Department of Grain Science and Industry

Changes to BS in Bakery Science & Management – Production Management Option:

FROM:

TO:

<p>Freshman</p> <p><u>1st Semester</u></p> <p>BIOL 198 Prin. of Biology.....4</p> <p>CHM 210 Chem I.....4</p> <p>GEN AG 101 Ag. Orientation1</p> <p>SPCH 106 Public Speaking.....3</p> <p>GRSC 101 Intro to GRSC.....3</p> <p style="text-align: right;">TOTAL 45</p> <p><u>2nd Semester</u></p> <p>CHM 230 Chem II.....4</p> <p>ENGL 100 Expos Writing.....3</p> <p>MATH 205 Gen. Calc + Lin. Al.....3</p> <p>ECON 110 Macro Economics.....3</p> <p>Free Electives.....3</p> <p style="text-align: right;">TOTAL 16</p> <p>Sophomore</p> <p><u>1st Semester</u></p> <p>AGEC 120 Ag Econ.....3</p> <p style="text-align: center;">OR</p> <p>ECON 120 Prin. of Micro.....3</p> <p>PHYS 113 Gen. Physics I.....4</p> <p>ACCTG 231 Acct. Busi. Ops.....3</p> <p>ENGL 200 Expos II.....3</p> <p>Free Electives.....3</p> <p style="text-align: right;">TOTAL 46</p> <p><u>2nd Semester</u></p> <p>BIOCH 265 Biochem.....5</p> <p>BIOL 455 Gen. Micro Biology.....4</p> <p>GRSC 110 Flow Sheets.....2</p>	<p>Freshman</p> <p><u>1st Semester</u></p> <p>CHEM 210 Chemistry I.....4</p> <p>ECON 110 Principles of Macro Econ.....3</p> <p>ENGL 100 Expo Writing I.....3</p> <p>GENAG 101 Ag Orientation.....1</p> <p>GRSC 101 Introduction to Grain Sci. and Tech.....3</p> <p style="text-align: right;">TOTAL 14</p> <p><u>2nd Semester</u></p> <p>BIOL 198 Principles of Biology.....4</p> <p>CHEM 230 Chemistry II.....4</p> <p>MATH 205 Gen Calc and Lin Algebra.....3</p> <p><u>COMM 105 Public Speaking.....2</u></p> <p>GRSC 150 Principles of Milling.....3</p> <p style="text-align: right;">TOTAL 16</p> <p>Sophomore</p> <p><u>1st Semester</u></p> <p>AGEC 120 Ag Econ & Ag Bus.....3</p> <p>BIOCH 265 or <u>CHEM 350/351.....5</u></p> <p>ENGL 200 Expo Writing II.....3</p> <p>PHYS 113 General Physics I.....4</p> <p><u>GRSC 210 Flow sheets.....3</u></p> <p style="text-align: right;">TOTAL 18</p> <p><u>2nd Semester</u></p> <p>ACCTG 231 Accounting Bus Opr.....3</p> <p>BIOL 455 General Microbiology.....4</p> <p>PHYS 114 General Physics II.....4</p> <p>STAT 325 Elementary Statistics.....3</p>
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HN 132 Basic Nutrition.....	3
GRSC 150 Prin. of Milling.....	3
TOTAL	17
Junior	
<u>1st Semester</u>	
FDSCI 607 Food Micro.....	4
PHYS 114 Gen. Physics II.....	4
ENGL 516 Written Comm.....	3
OR	
AG COM 400 Ag Bus Comm.....	3
GRSC 635 Baking Sci. I.....	2
GRSC 636 Baking Sci. I Lab.....	2
Free Electives.....	2
TOTAL	17
<u>2nd Semester</u>	
GRSC 602 Cereal Sci.....	3
GRSC 701 Practicum	1
GRSC 737 Baking Sci. II.....	3
GRSC 738 Baking Sci. II Lab.....	1
FDSCI 305 Food Processing.....	3
Business Electives.....	3
TOTAL	14
Senior	
<u>1st Semester</u>	
GRSC 591 Internship.....	2
STAT 325 Statistics.....	3
GRSC 625 Flour and Dough.....	3
MGMT 420 Mgmt Concept.....	3
Specialization Electives.....	3
Business Electives.....	3
TOTAL	17
<u>2nd Semester</u>	
GRSC 540 Eng. Apps in Food.....	3
GRSC 541 Eng. Apps Lab.....	1
GRSC 630 Mgmt Apps.....	3
GRSC 651 Food/Feed Prod.....	4
GRSC 670 Bakery Layout.....	1
GRSC 701 Practicum.....	1
Business Electives.....	3
TOTAL	16
Minimum of 128 Credits required for Graduation	
Specialization Electives	
GRSC 610 Elec./Grain Proc.....	3
GRSC 500 Milling Science I.....	4
GRSC 745 Fund. of Bioprocessing.....	3
GRSC 720 Extrusion Proc. Fd & Fd.....	4
EDLST 212 Intro to Lead concepts.....	3
FDSCI 690 HACCP.....	2
GRSC 712 Vib. Spect. Anal.....	1
GRSC 713 Chromotography.....	1
Business Electives, Production Management Option (9 hrs required)	
ACCTG 241 Acct. for Invest & Fin.....	3
ACCTG 331 Proc. And Controls.....	3
AGEC 500 Production Economics.....	3
AGEC 515 Food & Agric Bus Mktg	3
FINAN 450 Intro to Finance.....	3
IMSE 501 Industrial Management.....	3
MANGT 300 Intro to TQM.....	1
MANGT 530 Industrial Relations.....	3
MKTG 400 Marketing.....	3

GRSC 310 Material Handling.....	3
TOTAL	17
Junior	
<u>1st Semester</u>	
AG COM 400 Ag. Bus. Comm.....	3
FDSC 607 Food Microbiology.....	4
GRSC 635 Bk. Sci. I	2
GRSC 636 Bk. Sci Lab 2.....	2
Business Elective.....	3
TOTAL	14
<u>2nd Semester</u>	
GRSC 602 Cereal Science.....	3
GRSC 651 Food/Feed Prod Prot.....	4
<u>GRSC 601 Practicum.....</u>	1
<u>GRSC 637 Bk. Sci. II.....</u>	3
<u>GRSC 638 Bk Sci. II lab.....</u>	1
FDSCI 305 Food Processing.....	3
<u>GRSC 405 Analytical Tech.....</u>	3
TOTAL	18
Senior	
<u>1st Semester</u>	
GRSC 591 Internship.....	2
MGMT 420 MGT Concepts.....	3
HN 132 Basic Nutrition.....	3
Business Electives.....	3
Specialization Electives.....	3
Free Electives.....	3
TOTAL.....	17
<u>2nd Semester</u>	
GRSC 540 Eng. Apps.....	3
GRSC 541 Eng. Apps. Lab.....	1
<u>GRSC 601 Practicum.....</u>	1
GRSC 625 Flour and Dough Testing.....	3
GRSC 630 Mgmt. Apps.....	3
GRSC 670 Bakery Layout.....	1
Business Electives.....	3
TOTAL.....	15
Minimum of 129 Credits required for Graduation	
Special Electives	
<u>GRSC 680 Faculty Lead Study Abroad.....</u>	V
GRSC 610 Elec./Grain Proc.....	3
GRSC 500 Milling Science I.....	4
GRSC 745 Fund of Bioprocessing.....	3
<u>GRSC-620 Extrusion Pro. Fd & Fd.....</u>	4
EDLST 212 Intro to Lead Concepts.....	3
FDSCI 690 HACCP.....	2
GRSC 712 Vib. Spect. Analysis.....	1
GRSC 713 Chromotography.....	1
Business Electives (9 hours required)	
ACCTG 241 Acct. for Inv. & Fin.....	3
ACCTG 331 Proc. And Controls.....	3
AGEC 500 Production Economics.....	3

MKTG 542 Sales Management.....3	AGECE 515 Food & Ag Bus Mgt.....3 FINAN 450 Intro to Finance.....3 ISME 501 Industrial Management.....3 MANGT 300 Intro to TQM.....1 MANGT 530 Industrial Relations3 MKTG 400 Marketing.....3 MKTG 542 Sales Management.....3
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RATIONALE: The Department of Grain Science is revising the curriculums in all 3 of its undergraduate degree programs to insure all of its students have at least one common department course in each semester of their freshman and sophomore years. Previously, students were not taking department courses in all semesters of their first 2 years. Thus, this is also a tool to help with retention in the programs. Additionally, the department has developed a list of common “core courses” required in each of its 3 degree programs and aligned them for recommended sequencing in the individual degree curriculum guides.

IMPACT: These changes should not affect other units as the major changes and all new classes are for students in the Department of Grain Science and Industry. All courses listed for other units have been previously used as required or elective courses.

EFFECTIVE DATE: Fall 2010

B.S. in Feed Science and Management –All Options (Feed Production; Biofuels Production)

FROM:

TO:

<p>FRESHMAN</p> <p><u>1st Semester</u></p> <p>GENAG-101 Ag Orientation..... 1 GRSC-101 Intro to Grain Sci..... 3 CHM-210 Chemistry I 4 ENGL-100 Expository Writing I..... 3 MATH-205 Gen. Calc. & Lin. Algebra.....3 TOTAL 14</p> <p><u>2nd Semester</u></p> <p>CHM-230 Chemistry II..... 4 BIOL-198 Princ. of Biology 4 AGECE-120 Ag. Econ. & Ag. Bus..... 3 SPCH-105 Public Speaking1A..... 2 Soc.Sci./Hum Electives..... 3 TOTAL 16</p> <p>SOPHOMORE</p> <p>1st Semester</p> <p>ENGL-200 Expository Writing II..... 3 ECON-110 Macroeconomics 3 Soc. Sci./Hum Elective3 Opt A or B6 TOTAL 15</p> <p>2nd Semester</p> <p><u>GRSC-110 Flow Sheets</u>.....2 PHYS-113 General Physics I 4 Soc.Sci./Hum Electives..... 3 Opt. A or B8 TOTAL 17</p> <p>JUNIOR</p> <p>1st Semester</p> <p>GRSC-661 Qual. of Food & Feed Ingred..... 3 PHYS-114 General Physics II 4 Free Electives 3 Opt A or B6 TOTAL 16</p> <p>2nd Semester</p> <p>GRSC 405 Analytical Techniques. 2 GRSC-510 Feed Technology I 4 Free Electives..... 3 Opt A or B6 TOTAL 15</p> <p>SENIOR</p> <p>1st Semester</p> <p>GRSC-591 Comm. Feed & Food Mfg. Intern..... 2 GRSC-750 Feed Technology II..... 4 GRSC-655 Cereal Food Plant Design/Const..... 3 Opt A or B6 TOTAL 15</p> <p>2nd Semester</p> <p>GRSC-610 Elec. & Cont. Mill. Proc..... 3</p>	<p>FRESHMAN</p> <p><u>1st Semester</u></p> <p>GENAG-101 Ag Orientation..... 1 GRSC-101 Intro to Grain Sci..... 3 BIOL-198 Princ. of Biology 4 ENGL-100 Expository Writing I..... 3 Soc.Sci./Hum Electives..... 3 TOTAL 14</p> <p><u>2nd Semester</u></p> <p>CHM-210 Chemistry I..... 4 <u>GRSC 150 Principles of Milling</u>3 MATH-205 Gen. Calc. & Lin. Algebra.....3 COMM-105 Public Speaking1A..... 2 ECON-110 Macroeconomics 3 TOTAL 15</p> <p>SOPHOMORE</p> <p>1st Semester</p> <p>CHM-230 Chemistry II..... 4 <u>GRSC-210 Flow Sheets</u> 3 AGECE-120 Ag. Econ. & Ag. Bus..... 3 ENGL-200 Expository Writing II..... 3 PHYS-113 General Physics I 4 TOTAL 17</p> <p>2nd Semester</p> <p><u>GRSC-310 Material Handling</u> 3 PHYS-114 General Physics II 4 BIOCH 256 or CHEM 350/351.....5 STAT-325 Introduction to Statistics..... 3 Soc.Sci./Hum Electives..... 3 TOTAL 18</p> <p>JUNIOR</p> <p>1st Semester</p> <p>GRSC-510 Feed Technology I 4 <u>BIOL-455 General Microbiology</u> 4 ACCTG-231 Acctg. Bus Options..... 3 Free Electives 3 Opt A or B3 TOTAL 17</p> <p>2nd Semester</p> <p>GRSC-651 Fd & FD Prod Protection4 <u>GRSC-690 Feed Technology II</u>..... 4 GRSC-661 Qual. of Food & Feed Ingred..... 3 Free Electives..... 3 Opt A or B3 TOTAL 17</p> <p>SENIOR</p> <p>1st Semester</p> <p>GRSC-591 Comm. Feed & Food Mfg. Intern..... 2 GRSC-655 Cereal Food Plant Design/Const..... 3 Opt A or B9 TOTAL 14</p> <p>2nd Semester</p> <p>GRSC-610 Elec. & Cont. Mill. Proc..... 3</p>
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GRSC-630 Mgmt Applications..... 3	GRSC-630 Mgmt Applications.....3
GRSC-651 Fd & FD Prod Protection4	Opt A or B <u>9</u>
Opt A or B <u>6</u>	TOTAL <u>15</u>
TOTAL <u>16</u>	
Minimum hours required for graduation: 124	Minimum hours required for graduation: 127
OPTION A - FEED PRODUCTION	OPTION A - FEED PRODUCTION
Required Courses (20 hours) + 18 hours from	Required Courses (13 hours) + 11 hours from
Specialization Electives List	Specialization Electives List
AGEC-420 Comm Futures Marketing 3	GRSC- 620 Extrusion Proc. Fd & Fd Ind..... 4
STAT-325 Introduction to Statistics 3	AGEC-420 Comm Futures Marketing 3
ENGL-516 Written Comm. for Sciences..... 3	ENGL-516 Written Comm. for Sciences..... 3
ACCTG-231 Acctg. Bus Options..... 3	ASI-318 Fundamentals of Nutrition 3
ASI-318 Fundamentals of Nutrition 3	Specialization Electives <u>11</u>
BIOCH-265 Intro Org Biochem*** 5	
or	
CHM-350/351 General Organic Chemistry w/lab ... 5	
Specialization Electives <u>18</u>	
OPTION B - BIOFUELS PRODUCTION	OPTION B - BIOFUELS PRODUCTION
Required Courses (34 hours) + 4 hours from	Required Courses (19 hours) + 5 hours from Specialization
Specialization Electives List	Electives List
AGEC-420 Comm Futures Marketing..... 3	AGEC-420 Comm Futures Marketing..... 3
STAT-325 Introduction to Statistics..... 3	ENGL-516 Written Comm. for Sciences 3
ENGL-516 Written Comm. for Sciences 3	ASI-318 Fundamentals of Nutrition..... 3
ACCTG-231 Acctg. Bus Options..... 3	ATM 545 Production & Storage of Grains...3
ASI-318 Fundamentals of Nutrition..... 3	GRSC-540 Engg Apps Grain/Food Products3
ATM 545 Production & Storage of Grains...3	GRSC-541 Engg Apps Grain/Food Products Lab....1
BIOCH-265 Intro Org Biochem..... 5	GRSC-745 Fundamentals of Bioprocessing3
BIOL 455 Gen Microbiology (w/ lab).....4	Specialization Electives..... <u>5</u>
GRSC-540 Engg Apps Grain/Food Products3	
GRSC-541 Engg Apps Grain/Food Products Lab.....1	
GRSC-745 Fundamentals of Bioprocessing3	
Specialization Electives..... 4	
SPECIALIZATION ELECTIVES	SPECIALIZATION ELECTIVES
GENAG 390 Ag. Employment.....1	GRSC-590 Grain Science Problem 1-3
GRSC 720 Extrusion Proc. Fd & Fd Ind..... 4	GRSC- 691 Faculty-Led Study Abroad 1-3
GRSC 785 Advanced Flour & Feed Tech3	AGEC-410 Ag Policy..... 3
GRSC 790 Grain Science Problems..... 2-3	AGEC-515 Ag-bus. Marketing..... 3
AGEC-410 Ag Policy..... 3	ECON-631 Princ. Trans..... 3
AGEC-515 Ag-bus. Marketing..... 3	AGEC-632 Ag-bus. Logistics..... 3
ECON-631 Princ. Trans..... 3	ASI-320 Princ. Feeding..... 3
AGEC-632 Ag-bus. Logistics..... 3	ACCTG-241 Acctg. Invest.&Finance..... 3
ASI-320 Princ. Feeding..... 3	ACCTG-331 Acctg. Proc & Controls..... 3
ACCTG-241 Acctg. Invest.&Finance..... 3	FINAC-450 Intro to Finance..... 3
ACCTG-331 Acctg. Proc & Controls..... 3	MANGT-390 Business Law I..... 3
FINAC-450 Intro to Finance..... 3	MANGT-420 Manag. Concepts..... 3
MANGT-390 Business Law I..... 3	MANGT-530 Ind & Labor Relations..... 3
MANGT-420 Manag. Concepts..... 3	MANGT-531 Pers & Hum Res Mgt..... 3
MANGT-530 Ind & Labor Relations..... 3	MANGT-630 Labor Rel Law..... 3
MANGT-531 Pers & Hum Res Mgt..... 3	IMSE-501 Industrial Management..... 3
MANGT-630 Labor Rel Law..... 3	ASI-500 Genetics..... 3
IMSE-501 Industrial Management..... 3	BIOCH-521 General Biochemistry..... 3
ASI-500 Genetics..... 3	
BIOCH-521 General Biochemistry..... 3	

RATIONALE:

The Department of Grain Science is revising the curriculums in all 3 of its undergraduate degree program to insure all of its students have at least one common department course in each semester of their freshman and sophomore years. Previously, students were not taking department courses in all semesters of their first 2 years. Thus, this is also a tool to help with retention in the programs. Additionally, the

department has developed a list of common “core courses” required in each of its 3 degree programs and aligned them for recommended sequencing in the individual degree curriculum guides.

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EFFECTIVE DATE: Fall 2010

B.S. in Milling Science & Management – Chemistry Option

FROM:

TO:

<p>FRESHMAN</p> <p><u>1st Semester</u></p> <p>GEN AG 101 Ag Orientation.....1 GRSC 150 Principles of Milling.....3 ENGL 100 Exp. Writing I.....3 CHEM 210 Chemistry I.....4 *ECON 110 Prin. Macro Econ.....3 TOTAL 14</p> <p><u>2nd Semester</u></p> <p>*CHM 230 Chemistry II.....4 GRSC 110 Flow Sheets.....2 BIOL 198 Principle of Biology.....4 SPCH 105 Public Speaking IA.....2 Soc. Science Electives.....3 TOTAL 15</p> <p>SOPHOMORE</p> <p><u>1st Semester</u></p> <p>AGEC 120 Ag. Econ. & Ag. Bus.....3 ENGL 200 Exp. Writing II.....3 CHM 350 Gen. Organic Chemistry.....3 CHM 351 Gen. Organic Chemistry Lab.....2 Soc. Science Electives.....3 Opt. A, B or C.....4 TOTAL 18</p> <p><u>2nd Semester</u></p> <p>GRSC 500 Milling Sci. I.....4 BIOL 455 Gen. Micro.....4 *STAT 325 Elem. Stat.....3 Opt. A, B or C.....4 TOTAL 15</p> <p>JUNIOR</p> <p><u>1st Semester</u></p> <p>AGRON 340 Grain Grading.....2 GRSC 602 Cereal Sci.....3 GRSC 730-Milling Science II Lec.....2</p>	<p>FRESHMAN</p> <p><u>1st Semester</u></p> <p>CHEM 210 Chemistry I.....4 ENGL 100 Expo Writing I.....3 GENAG 101 Ag Orientation.....1 <u>GRSC 101 Intro. to Grain Sci. and Tech.....3</u> Social Science Elective3 TOTAL 14</p> <p><u>2nd Semester</u></p> <p>BIOL 198 Principles of Biology4 CHEM 230 Chemistry II.....4 ECON 110 Principles of Macro Econ.....3 GRSC 150 Principles of Milling3 MATH 220 Calculus I.....4 TOTAL 18</p> <p>SOPHOMORE</p> <p><u>1st Semester</u></p> <p>AGEC 120 Ag Econ & Ag Bus.....3 AGRON 340 Grain Grading.....2 COMM 105 Public Speaking2 ENGL 200 Expo Writing II.....3 <u>GRSC 210 Flow sheets.....3</u> <u>PHYS 113 General Physics I.....4</u> TOTAL 17</p> <p><u>2nd Semester</u></p> <p>CHEM 350/351 General Organic Chem.....5 <u>GRSC 310 Material Handling.....3</u> GRSC 500 Milling Science I.....4 <u>PHYS 114 General Physics II.....4</u> TOTAL 16</p> <p>JUNIOR</p> <p><u>1st Semester</u></p> <p>BIOL 455 General Microbiology.....4 STAT 325 Elementary Statistics.....3 GRSC 602 Cereal Science.....3</p>
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GRSC 731 Milling Science II Lab.....	2
Opt. A, B, or C.....	8
TOTAL	47
<u>2nd Semester</u>	
GRSC 405 Cer./ Feed Anal.....	2
GRSC 630 Mgmt. App Gr. Proc.	3
Soc. Science Electives.....	3
*Free Elective.....	3
Opt. A, B or C.....	6
TOTAL	47
SENIOR	
<u>1st Semester</u>	
GRSC 625 Flour and Dough Testing.....	3
GRSC 635 Bake Sci. I.....	2
GRSC 636 Bake Sci. I Lab.....	2
Opt. A, B or C.....	8
TOTAL	15
<u>2nd Semester</u>	
GRSC 651 Fd. Fd. Prod. Prot.....	4
GRSC 734 Mill Proc. Tech Mgmt.....	3
GRSC 610 Elec/Grain Proc. Ind.....	3
Opt. A, B or C.....	8
TOTAL	48
Minimum Requirement number of hours is: 129	
<u>Specialization Electives</u>	
<u>OPTION C (Chemistry) REQUIRED COURSES</u>	
BIOCH 521 Gen. Biochem.....	3
BIOCH 522 Gen. Biochem. Lab.....	2
CHM 500 Gen. Phys. Chem.	3
CHM 531 Org. Chem. I	3
CHM 532 Org. Chem. I Lab.....	2
CHM 550 Org. Chem. II	3
MATH 220 Anal Geom. & Calc. I	4
MATH 221 Anal Geom. & Calc. II	4
PHYS 213 Eng. Phys. I	5
PHYS 214 Eng. Phys. II	5
Specialization Electives.....	3
<u>SPECIALIZATION ELECTIVES</u>	
GRSC 712 Vibrational Spect. Analysis	1
GRSC 713 Chromatography†	1
GRSC 720 Extrusion Proc. in the Fd & Fd.....	4
GRSC 745 Fund. of Bioprocessing.....	3
ACCTG 331 Acttg Proc. & Cont.....	4
AGEC 513 Ag Finance.....	3
AGEC 515 Food & Agri. Bus. Mktg.....	3
AGEC 632 Agri. Bus. Logic.....	3
ENGL 516 Writ. Comm. for the Sciences.....	3
MANGT 390 Bus. Law I.....	3
MANGT 420 Mgmt. Conc.....	3
MANGT 530 Ind. Labor Relations.....	3
MANGT 531 Pers. & Human Resources Mgmt.....	3
SPCH 311 Bus & Prof. Speaking.....	3
† Chemistry Option students	

GRSC 680 Milling Science II Lec.....	2
GRSC 681 Milling Science II Lab.....	2
BIOCH 521/522 Gen. Biochem.....	5
TOTAL	19
<u>2nd Semester</u>	
ACCTG 231 Accounting Bus Opr.....	3
CHEM 500 Gen Phys Chem.....	3
GRSC 712/713 Vib. Spect. & Chrom.....	2
GRSC 651 Food/Feed Prod Prot	4
Social Science Elective.....	3
TOTAL	15
SENIOR	
<u>1st Semester</u>	
GRSC 625 Flour and Dough Testing.....	3
GRSC 635/36 Bake Science I	4
GRSC 684 Mill Proc. Tech. Mgmt.....	3
CHEM 531/532 Organic Chem.....	5
TOTAL	15
<u>2nd Semester</u>	
GRSC 630 Mgmt Appl Grain Proc Ind.....	3
CHEM 550 Organic Chem.....	3
Free Elective.....	3
Social Science Elective.....	3
Specialization Elective.....	3
TOTAL	15
Minimum Requirement number of hours is: 129	
<u>Specialization Electives</u>	
ACCTG 241 Acctg. Invest.and Finan.....	3
ACCTG 331 Acctg. Proc & Cont.....	4
AGEC 318 Food & Agribus Managt.....	3
AGEC 420 Comm Futures Mrkt	3
AGEC 513 Ag Finance.....	3
AGEC 515 Food & Agric Bus Marketing.....	3
AGEC 520 Market Fund & Ftr Op Trad.....	3
AGEC 632 Agri Bus Logic.....	3
CHEM 371 Chemical Analysis.....	4
ENGL 516 Written Comm. For Sci.....	3
GRSC 620 Extrusion proc Fd & Fd.....	4
GRSC 691 Faculty Led Study Abraod.....	1-3
GRSC 745 Fund. Bioprocessing.....	3
MANGT 390 Bus law I	3
MANGT 420 Mgmt Conc.....	3
MANGT 530 Ind. Labor Relations	3
MANGT 531 Pers & Human Res. Man.....	3
SPCH 311 Bus & Prof. Speaking.....	3

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RATIONALE: The Department of Grain Science is revising the curriculums in all 3 of its undergraduate degree program to insure all of its students have at least one common department course in each semester of their freshman and sophomore years. Previously, students were not taking department courses in all semesters of their first 2 years. Thus, this is also a tool to help with retention in the programs. Additionally, the department has developed a list of common “core courses” required in each of its 3 degree programs and aligned them for recommended sequencing in the individual degree curriculum guides.

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EFFECTIVE DATE: Fall 2010

B.S. in Milling Science & Management – Operations Option; Management Option

Proposal to Drop the Management Option
 Proposal to Change the Operations Option

FROM:

TO:

<p>FRESHMAN</p> <p><u>1st Semester</u></p> <p>GEN AG 101 Ag Orientation.....1 GRSC 150 Principles of Milling.....3 ENGL 100 Exp. Writing I.....3 CHEM 210 Chemistry I.....4 ‡ECON 110 Prin. Macro Econ.....3 TOTAL 14</p> <p><u>2nd Semester</u></p> <p>*CHM 230 Chemistry II.....4 GRSC 110 Flow Sheets.....2 BIOL 198 Principle of Biology.....4 SPCH 105 Public Speaking IA.....2 Soc. Science Electives.....3 TOTAL 15</p> <p>SOPHOMORE</p> <p><u>1st Semester</u></p>	<p>FRESHMAN</p> <p><u>1st Semester</u></p> <p>CHEM 210 Chemistry I.....4 ENGL 100 Expo Writing I3 GENAG 101 Ag Orientation.....1 <u>GRSC 101 Intro. to Grain Sci. and Tech.....3</u> Social Science Elective3 TOTAL 14</p> <p><u>2nd Semester</u></p> <p>BIOL 198 Principles of Biology4 CHEM 230 Chemistry II.....4 ECON 110 Principles of Macro Econ.....3 GRSC 150 Principles of Milling3 MATH 220 Calculus I.....4 TOTAL 18</p> <p>SOPHOMORE</p> <p><u>1st Semester</u></p>
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AGEC 120 Ag. Econ. & Ag. Bus.....	3
ENGL 200 Exp. Writing II.....	3
CHM 350 Gen. Organic Chemistry.....	3
CHM 351 Gen. Organic Chemistry Lab.....	2
Soc. Science Electives.....	3
<u>Opt. A, B or C.....</u>	<u>4</u>
TOTAL	18

2nd Semester

GRSC 500 Milling Sci. I.....	4
BIOL 455 Gen. Micro.....	4
*STAT 325 Elem. Stat.....	3
<u>Opt. A, B or C.....</u>	<u>4</u>
TOTAL	15

JUNIOR

1st Semester

AGRON 340 Grain Grading.....	2
GRSC 602 Cereal Science.....	3
GRSC 730 Milling Science II Lec.....	2
GRSC 731 Milling Science II Lab.....	2
<u>Opt. A, B, or C.....</u>	<u>8</u>
TOTAL	17

2nd Semester

GRSC 405 Cer./ Feed Anal.....	2
GRSC 630 Mgmt. App Gr. Proc.	3
Soc. Science Electives.....	3
*Free Elective.....	3
<u>Opt. A, B or C.....</u>	<u>6</u>
TOTAL	17

SENIOR

1st Semester

GRSC 625 Flour and Dough Testing.....	3
GRSC 635 Bake Sci. I.....	2
GRSC 636 Bake Sci. I Lab.....	2
<u>Opt. A, B or C.....</u>	<u>8</u>
TOTAL	15

2nd Semester

GRSC 651 Fd. Fd. Prod. Prot.....	4
GRSC 734 Mill Proc. Tech Mgmt.....	3
GRSC 610 Elec/Grain Proc. Ind.....	3
<u>Opt. A, B or C.....</u>	<u>8</u>
TOTAL	18

Minimum Requirement number of hours is: 129

OPTION A (Management) REQUIRED COURSES

*ACCTG 231 Acctg. Bus. Operations.....	3
*ACCTG 241 Acctg. For Invest. & Finan.....	3
AGEC 318 Food & Agribusiness Management.....	3
*AGEC 420 Commodity Futures Mkts.....	3

AGEC 120 Ag Econ & Ag Bus.....	3
AGRON 340 Grain Grading.....	2
COMM 105 Public Speaking	2
ENGL 200 Expo Writing II.....	3
<u>GRSC 210 Flow Sheets.....</u>	<u>3</u>
<u>PHYS 113 General Physics I.....</u>	<u>4</u>
TOTAL	17

2nd Semester

<u>BIOCH 265 Intro. Organic and Biochem.....</u>	<u>5</u>
<u>GRSC 310 Material Handling.....</u>	<u>3</u>
GRSC 500 Milling Science I.....	4
<u>PHYS 114 General Physics II.....</u>	<u>4</u>
TOTAL	16

JUNIOR

1st Semester

BIOL 455 General Microbiology.....	4
STAT 325 Elementary Statistics.....	3
GRSC 602 Cereal Science.....	3
<u>GRSC 680 Milling Science II Lec.....</u>	<u>2</u>
<u>GRSC 681 Milling Science II Lab.....</u>	<u>2</u>
<u>GRSC 656 Pneumatic Conv.....</u>	<u>2</u>
TOTAL	16

2nd Semester

ACCTG 231 Accounting Bus Opr.....	3
GRSC 405 Food&Feed Analysis.....	2
GRSC 540/41 Engl Appl. Grain/Food Pro.....	4
GRSC 651 Food/Feed Prod Prot	4
Social Science Elective.....	3
TOTAL	16

SENIOR

1st Semester

GRSC 625 Flour and Dough Testing.....	3
GRSC 635/36 Bake Science I	4
GRSC 655 Cer. Food Plant Design.....	3
<u>GRSC 684 Mill Proc. Tech. Mgmt.....</u>	<u>3</u>
Specialization Elective.....	5
TOTAL	18

2nd Semester

GRSC 630 Mgmt Appl Grain Proc Ind.....	3
GRSC 610 Elec/Grain Proc. Ind.....	3
GRSC 640 Advanced Flowsheets.....	2
Free Elective.....	3
Social Sci Elective.....	3
TOTAL	14

Minimum Requirement number of hours is: 129

AGEC 520 Market Fund & Ftr Op Trad3		
MATH 205 Gen. Calc. & Lin. Alg.....3		
PHYS 113 Gen Physics I.....4		
PHYS 114 Gen. Physics II.....4		
Specialization Electives.....11		
<u>OPTION B (Operations) REQUIRED COURSES</u>		
GRSC 540 Engr. App. in Food/Grain Processing.....3		
GRSC 541 Engr. App. In Grain/Food Processing Lab.....1		
GRSC 640 Adv. Flow Sheets.....2		
GRSC 655 Cereal Food Plant Design & Const3		
GRSC 785 Advanced Flow and Feed Tech.....3		
MATH 220 Anal. Geom. & Calc. I.....4		
MATH 221 Anal. Geom. & Calc. II.....4		
PHYS 213 Engr. Phys. I.....5		
PHYS 214 Engr. Phys. II.....5		
Specialization Electives.....7		
<u>SPECIALIZATION ELECTIVES</u>		
GRSC 712 Vibrational Spect. Analysis1		
GRSC 713 Chromatography [†]1		
GRSC 720 Extrusion Proc. in the Fd & Fd.....4		
GRSC 745 Fund. of Bioprocessing.....3		
ACCTG 331 Acttg Proc. & Cont.....4		
AGEC 513 Ag Finance.....3		
AGEC 515 Food & Agri. Bus. Mktg.....3		
AGEC 632 Agri. Bus. Logic.....3		
ENGL 516 Writ. Comm. for the Sciences.....3		
MANGT 390 Bus. Law I.....3		
MANGT 420 Mgmt. Conc.....3		
MANGT 530 Ind. Labor Relations.....3		
MANGT 531 Pers. & Human Resources Mgmt.....3		
*SPCH 311 Bus & Prof. Speaking.....3		
† Chemistry Option students		
	<u>Specialization Electives</u>	
	ACCTG 241 Acctg. Invest.and Finan.....3	
	ACCTG 331 Acctg. Proc & Cont.....4	
	AGEC 318 Food & Agribus Mangt.....3	
	AGEC 420 Comm Futures Mkts3	
	AGEC 513 Ag Finance.....3	
	AGEC 515 Food & Agric Bus Marketing.....3	
	AGEC 520 Market Fund & Ftr Op Trad.....3	
	AGEC 632 Agri Bus Logic.....3	
	<u>CHEM 371 Chemical Analysis.....4</u>	
	ENGL 516 Written Comm. For Sci.....3	
	<u>GRSC 620 Extrusion Proc. in the Fd & Fd4</u>	
	<u>GRSC 691 Faculty Led Study Abroad.....1-3</u>	
	GRSC 712 Vib. Spect. Anal.....1	
	GRSC 713 Chromatography.....1	
	GRSC 745 Fund. Bioprocessing.....3	
	MANGT 390 Bus law I3	
	MANGT 420 Mgmt Conc.....3	
	MANGT 530 Ind. Labor Relations3	
	MANGT 531 Pers & Human Res. Man.....3	
	SPCH 311 Bus & Prof. Speaking.....3	

RATIONALE:

The Department is dropping its Management Option in the Milling Science and Management degree program and retaining its Operations and Chemistry Options. Students entering the program will now have a choice of 2 options instead of 3. This decision was based on evaluation of knowledge and skills needed by graduates based on graduate and employer feedback. These changes have little or no effect outside the department.

The Department of Grain Science is also revising the curriculums in all 3 of its undergraduate degree program to insure all of its students have at least one common department course in each semester of their freshman and sophomore years. Previously, students were not taking department courses in all semesters of their first 2 years. Thus, this is also a tool to help with retention in the programs. Additionally, the department has developed a list of common “core courses” required in each of its 3 degree programs and aligned them for recommended sequencing in the individual degree curriculum guides.

IMPACT:

These changes should not affect other units as the major changes and all new classes are for students in the Department of Grain Science and Industry. All courses listed for other units have been previously used as required or elective courses. Letters have been sent to the departments of Chemistry (Dr. Eric Maatta), Biochemistry (Dr. Michael Kanost) and Physics (Dr. Dean Zollman) advising them of the changes between required and elective classes.

EFFECTIVE DATE: Fall 2010

2. Graduate course and curriculum changes approved by the Graduate Council on April 6, 2010 (parentheses indicate page number the change can be located on in the grad council agenda):

COURSE ADDITIONS:

College of Veterinary Medicine (February 4, 2010 approval sheets)

- CS 782 Equine Medicine Elective (11)
- CS 784 Advanced Soft Tissue Surgery (11)
- CS 785 Veterinary Care and Management of South American Camelids (11)
- CS 786 The Learning Curve of Equine Practice (11)
- CS 826 Contemporary Issues in Veterinary Medicine (11)
- CS 827 Health and Management of Llamas and Alpacas (11)
- CS 880 Design and Interpretation of Production Livestock Field Trials (12)
- CS 881 Veterinary Ophthalmic Surgery Techniques (12)
- DMP 730 Cross-Course Integration III (12)
- DMP 740 Cross-Course Integration IV (12)
- DMP 804 Ecotoxicology (13)
- DMP 845 Food Safety Risk Analysis (13)

Curriculum Additions

Graduate School – Master of Public Health (March 11, 2010 approval sheets)

- Concurrent BS/MPH (or BA/MPH) degree programs (14)

College of Agriculture (October 19, 2009 approval sheets-GC agenda has revised version)

- Graduate Certificate in Agricultural Resources & Environmental Management (15-25)

GRADUATION ADDITIONS AND POSTHUMOUS DEGREE:

December 2006

Rebecca Jean Townsend, Bachelor of Science, College of Arts and Sciences

August 2009

Natalie Marie Francel-Stone, Bachelor of Music, College of Arts and Sciences

Posthumous degree request, May 2010:

David Sewell, Bachelor of Science, College of Education

Background: Mr. Sewell was a high quality individual and a popular student; he was in good standing academically at the time of his death on August 8, 2009.