

A regular meeting of the University Curriculum Committee was held on April 3, 2009 at 2:00 p.m.

Members present: Chair Carole Makela, Professors Bradley Goetz, David Gilliland, Patrick Fitzhorn, John Ridley, Steven Strauss, C. W. Miller for Howard Ramsdell, Cathy Cranston, and Alan Lamborn (*ex-officio*).

Absent: Professor Walt Jones and undergraduate representative Russ Pinkston.

Guests: Hunt Lambert, Maria Puzziferro, and Linda Selkirk

## Minutes

The minutes of March 27, 2009, were approved.

## CURRICULAR REQUESTS

° Course is offered for term specified in odd numbered years.

\* Course is offered for term specified in even-numbered years.

+Course requires field trips.

NT-O, offered as nontraditional, online course.

The following curricular requests were approved.

### New Courses

### Effective Date

°**AREC 740 03(3-0-0). Advanced Resource and Environmental Economics.** F. Prerequisite: AREC 540 or ECON 540; AREC 541 or ECON 541; AREC 635 or ECON 635; ECON 706.

Fall Semester 2009

Advanced theory, methods, and literature of natural resource and environmental economics, including dynamic programming and non-market valuation.

**BC 512 01(1-0-0). Principles of Macromolecular Structure.** F.

Fall Semester 2009

Prerequisite: CHEM 471 or concurrent registration.

Physical interactions controlling folding and solution behavior of biological macromolecules, including proteins, nucleic acids, and membranes.

### Major Changes to Courses

### Effective Date

CHEM 334 01(0-3-0). Quantitative Analysis Laboratory—Biological, **change to:**

Fall Semester 2009

**CHEM 334 01(0-3-0). Quantitative Analysis Laboratory.** F, S.

Prerequisite: CHEM 114; CHEM 335 or concurrent registration. Credit not allowed for both CHEM 334 and CHEM 332.

Laboratory applications of principles presented in CHEM 335.

CHEM 335 03(3-0-0). Quantitative Analysis, **change to:**

Fall Semester 2009

**CHEM 335 03(3-0-0). Introduction to Analytical Chemistry.** F, S.

Prerequisite: CHEM 113 with a C or better; CHEM 334 or concurrent registration. Credit not allowed for both CHEM 335 and CHEM 331.

Modern and classical applications and methods in analytical chemistry including statistical, kinetic, spectroscopic, and chromatographic analysis.



<u>Course</u>	<u>Title</u>	<u>Cr</u>
<i>Select 9 credits from the following:</i>		
BSPM 502A-G <sup>P</sup>	Topics in plant pathology	1
BSPM 507	Insect Behavior	3
BSPM 509 <sup>P</sup>	Herbicide Selectivity and Action	3
BSPM 510 <sup>P</sup>	Insect-Plant disease Relationships	3
BSPM 521	Forest Health Issues	2
BSPM 523	Advanced Evolution/Classification of Insects	4
BSPM 528 <sup>P</sup>	Invasive Plants/Weeds: Ecosystems to Molecules	3
BSPM 550 <sup>P</sup>	Molecular-Plant Microbe Interactions	3
BSPM 556 <sup>P</sup>	Biological Control of Plant Pests	3
BSPM 792	Seminar	1
BSPM 792	Seminar (present one seminar)	2
	Degree-supporting non-departmental electives	9
	<b>TOTAL</b>	<b>25</b>
<b>Broad Education Requirements</b>		
	500-700 level course <sup>1</sup>	3
<b>Additional Requirements</b>		
BSPM 698	Research <sup>2</sup>	6
<b>PROGRAM TOTAL = 34 credits</b>		

<sup>P</sup> This course has at least one prerequisite. Check the Courses of Instruction section of the catalog or <http://catalog.colostate.edu/front/courses-of-instruction.aspx> to see the course prerequisites.

<sup>1</sup>Choose from various courses such as teaching, internships, independent study, communication classes, second language, etc., with approval by advisor and committee.

<sup>2</sup>Includes a scholarly paper on topic related to specialization and approved by the student's graduate committee.

## Major Changes in Curricula

**College of Applied Human Sciences**  
**Department of Food Science and Human Nutrition**  
**Major in Nutrition and Food Science**  
**Dietetics Option**

**Effective Fall 2009**

(The entire program is shown. Deletions are in ~~strikeout~~; additions are in underline.)

<u>Course</u>	<u>Title</u>	<u>Cr</u>	<u>AUCC</u>
<b>FRESHMAN</b>			
<i>Select four credits from the following courses:</i>			
BZ 110	Principles of Animal Biology	3	3A
BZ 111 <sup>P</sup>	Animal Biology Laboratory	1	3A
<b>OR</b>			
LIFE 102 <sup>P</sup>	Attributes of Living Systems	4	3A
<i>Select one set from following:</i>			
CHEM 107 <sup>P</sup>	Fundamentals of Chemistry	4	3A
CHEM 108 <sup>P</sup>	Fundamentals of Chemistry Laboratory	1	3A
<b>OR</b>			
CHEM 111 <sup>P</sup>	General Chemistry I	4	3A
CHEM 112 <sup>P</sup>	General Chemistry Laboratory I	1	3A
CHEM 113 <sup>P</sup>	General Chemistry II	3	
<u>CO 150<sup>P</sup></u>	<u>College Composition</u>	<u>3</u>	<u>1A</u>

<u>Course</u>	<u>Title</u>	<u>Cr</u>	<u>AUCC</u>
BUS 150	Business Computing Concepts and Applications	3	
<b>OR</b>			
CS 110	Personal Computing	4	
FSHN 150	Survey of Human Nutrition	3	
<a href="#">MATH 117<sup>P</sup></a>	<a href="#">College Algebra in Context I</a>	<a href="#">1</a>	<a href="#">1B</a>
<a href="#">MATH 118<sup>P</sup></a>	<a href="#">College Algebra in Context II</a>	<a href="#">1</a>	<a href="#">1B</a>
<a href="#">MATH 124<sup>P</sup></a>	<a href="#">Logarithmic and Exponential Function</a>	<a href="#">1</a>	<a href="#">1B</a>
PSY 100	General Psychology	3	3C
<a href="#">SOC 100</a>	<a href="#">General Sociology</a>	<a href="#">3</a>	<a href="#">3C</a>
	Foundations and Perspectives <sup>1</sup>	3	3B, 3D, 3E
TOTAL		<del>21-25</del> <u>30-34</u>	
<b>SOPHOMORE</b>			
<a href="#">BMS 300<sup>P</sup></a>	<a href="#">Principles of Human Anatomy and Physiology</a>	<a href="#">4</a>	
BMS 302 <sup>P</sup>	Laboratory in Principles of Physiology	2	
CHEM 245 <sup>P</sup>	Fundamentals of Organic Chemistry	4	
CHEM 246 <sup>P</sup>	Fundamentals of Organic Chemistry Laboratory	1	
FSHN 300 <sup>P</sup>	Food Principles and Applications	3	
FSHN 301 <sup>P</sup>	Food Principles and Applications Laboratory	2	
OT 215	Medical Terminology	1	
SPCM 200	Public Speaking	3	
	Foundations and Perspectives <sup>1</sup>	<del>3</del> <u>9</u>	3B, 3D, 3E
Electives		3	
TOTAL		<del>22</del> <u>32</u>	
<b>JUNIOR</b>			
BC 351 <sup>P</sup>	Principles of Biochemistry	4	
<i>Select one course from the following:</i>			
CO 300 <sup>P</sup>	Writing Arguments	3	2B
CO 301B <sup>P</sup>	Writing in the Disciplines-Sciences	3	2B
CO 301C <sup>P</sup>	Writing in the Disciplines-Social Sciences	3	2B
JTC 300 <sup>P</sup>	Professional and Technical Communication	3	2B
<a href="#">FSHN 350<sup>P</sup></a>	<a href="#">Human Nutrition</a>	<a href="#">3</a>	<a href="#">4C</a>
FSHN 360 <sup>P</sup>	Nutrition Assessment	2	
FSHN 386	Practicum in Food Service Management	2	
FSHN 392 <sup>P</sup>	Dietetic Practice Seminar	1	
LIFE 205	Survey of Microbial Biology	3	
LIFE 206 <sup>P</sup>	Microbial Biology laboratory	2	
MGT 305	Fundamentals of Management	3	
RRM 310	Food Service Systems Operations	3	
RRM 311 <sup>P</sup>	Food Service Systems-Production and Purchasing	3	
STAT 201 <sup>P</sup>	General Statistics	3	
<b>OR</b>			
STAT 204 <sup>P</sup>	Statistics for Business Students	3	
TOTAL		<del>29</del> <u>32</u>	
<b>SENIOR</b>			
FSHN 428 <sup>P</sup>	Nutrition Teaching and Counseling Techniques	3	
FSHN 450 <sup>P</sup>	Medical Nutrition Therapy	5	4B
FSHN 451 <sup>P</sup>	Community Nutrition	3	4A
FSHN 459 <sup>P</sup>	Nutrition in the Life Cycle	3	
FSHN 470 <sup>P</sup>	Integrative Nutrition and Metabolism	3	
<a href="#">FSHN 492<sup>P</sup></a>	<a href="#">Seminar in Dietetics and Nutrition</a>	<a href="#">2</a>	<a href="#">4C</a>

<u>Course</u>	<u>Title</u>	<u>Cr</u>	<u>AUCC</u>
FSHN 496A –I <sup>P</sup>	Group Study in Dietetics and Nutrition Electives <sup>2</sup>	2	
	TOTAL	<del>5-9</del> <u>1-5</u>	
		<del>24-28</del> <u>20-24</u>	
<b>OPTION TOTAL = <del>100</del> <u>120</u> credits</b>			

<sup>P</sup> This course has at least one prerequisite. Check the Courses of Instruction section of the catalog or <http://catalog.colostate.edu/front/courses-of-instruction.aspx> to see the course prerequisites.

<sup>1</sup> Select one course each from the lists in ~~category categories 3D~~<sub>3</sub> and 3E<sub>3</sub> and two courses from category 3B of the All-University Core Curriculum (AUCC). ~~–A– for a total of 12 credits. must be selected between the core program and the option chosen.~~ Only 3 of the 6 credits required for arts and humanities may come from intermediate (L\* 200 and L\* 201) foreign language courses.

<sup>2</sup> Enough elective credits need to be selected to bring program total to 120 credits with 42 upper-division credits.

**School of Education/Department of Human Development and Family Studies  
 Major in Human Development and Family Studies  
 Teacher Licensure in Early Childhood Education  
 and Elementary Education Option**

**Effective Fall 2009**

(Only the changes are shown, not the entire program. Deletions are in ~~strikeout~~; additions are in underline.)

<u>Course</u>	<u>Title</u>	<u>Cr</u>	<u>AUCC</u>
<b>JUNIOR</b>			
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	<u>Select one course from the following:</u> <sup>6</sup>		
BMS 300 <sup>P</sup>	Principles of Human Anatomy and Physiology	4	
<u>FSHN 150</u>	<u>Survey of Human Nutrition</u>	<u>3</u>	
<u>HES 145</u>	<u>Health and Wellness</u>	<u>3</u>	
<u>LIFE 201A-B</u> <sup>P</sup>	<u>Introductory Genetics</u>	<u>3</u>	
<u>LIFE 210</u> <sup>P</sup>	<u>Introductory Eukaryotic Cell Biology</u>	<u>3</u>	
	<u>Elective</u> <sup>6</sup>	<u>0-1</u>	
	TOTAL	<u>31</u>	
<b>PROGRAM TOTAL = 120 credits</b>			

<sup>P</sup> This course has at least one prerequisite. Check the Courses of Instruction section of the catalog or <http://catalog.colostate.edu/front/courses-of-instruction.aspx> to see the course prerequisites.

<sup>1</sup> AUCC 3A, Biological/Physical Sciences requirement must include 7 credits and at least one course with a lab component. To meet both AUCC 3A and department requirements, select either LIFE 102 (which includes a lab) or add the laboratory course to the chemistry course selected.

<sup>2</sup> Select from departmental list of courses in category 3B in the All-University Core Curriculum (AUCC). Only 3 of the 6 credits required for arts and humanities may come from intermediate (L\* 200 and L\* 201) foreign language courses.

<sup>3</sup> Select from HIST courses in category 3D in the AUCC.

<sup>4</sup> Select from departmental list of courses in category 1B in the AUCC.

<sup>5</sup> Select from departmental list of courses in category 3E in the AUCC.

<sup>6</sup>Students taking a 3-credit course (FSHN 150, HES 145, LIFE 201A-B, or LIFE 210) must add 1-credit of elective.

**College of Natural Sciences  
 Department of Chemistry  
 Major in Chemistry  
 ACS-Certified Concentration**

**Effective Fall 2009**

(Only the changes are shown, not the entire program. Deletions are in ~~strikeout~~; additions are in underline.)

<u>Course</u>	<u>Title</u>	<u>Cr</u>	<u>AUCC</u>
<b>JUNIOR</b>			
<del>CHEM 332<sup>P</sup></del>	<del>Quantitative Analysis Laboratory</del>	<del>2</del>	
<del>CHEM 335<sup>P</sup></del>	<del>Quantitative Analysis</del>	<del>3</del>	<del>4A</del>
<u>CHEM 334<sup>P</sup></u>	<u>Quantitative Analysis Laboratory</u>	<u>1</u>	
<u>CHEM 335<sup>P</sup></u>	<u>Introduction to Analytical Chemistry</u>	<u>3</u>	
	TOTAL	<u>3231</u>	
<b>SENIOR</b>			
	Advanced science electives <sup>7</sup>	<del>6-7</del>	
		<u>7-8</u>	
	TOTAL	<u>2627</u>	
<b>PROGRAM TOTAL = 120 credits</b>			

<sup>P</sup> This course has at least one prerequisite. Check the Courses of Instruction section of the catalog or <http://catalog.colostate.edu/front/courses-of-instruction.aspx> to see the course prerequisites.

<sup>7</sup> Additional advanced science courses (300+) to make a total of 10 credits when combined with the choice of BC 351 or BC 401.

**Major in Chemistry  
 Non-ACS Certified Concentration**

**Effective Fall 2009**

(Only the changes are shown, not the entire program. Deletions are in ~~strikeout~~; additions are in underline.)

<u>Course</u>	<u>Title</u>	<u>Cr</u>	<u>AUCC</u>
<b>JUNIOR</b>			
<del>CHEM 332<sup>P</sup></del>	<del>Quantitative Analysis Laboratory</del>	<del>2</del>	
<del>CHEM 335<sup>P</sup></del>	<del>Quantitative Analysis</del>	<del>3</del>	<del>4A</del>
<u>CHEM 334<sup>P</sup></u>	<u>Quantitative Analysis Laboratory</u>	<u>1</u>	
<u>CHEM 335</u>	<u>Introduction to Analytical Chemistry</u>	<u>3</u>	
	TOTAL	<u>2928</u>	
<b>SENIOR</b>			
	Advanced science electives	<u>910</u>	
	TOTAL	<u>2930</u>	
<b>PROGRAM TOTAL = 120 credits</b>			

<sup>P</sup> This course has at least one prerequisite. Check the Courses of Instruction section of the catalog or <http://catalog.colostate.edu/front/courses-of-instruction.aspx> to see the course prerequisites.

**Minor in Chemistry**

**Effective Fall 2009**

(Only the changes are shown, not the entire program. Deletions are in ~~strikeout~~; additions are in underline.)

<u>Course</u>	<u>Title</u>	<u>Cr</u>	<u>AUCC</u>
<b>UPPER DIVISION</b>			
<del>CHEM 331<sup>P</sup></del>	<del>Quantitative Analysis Biological Sciences</del>	<del>3</del>	
<del>CHEM 332<sup>P*</sup></del>	<del>Quantitative Analysis Laboratory</del>	<del>2</del>	
	<del>OR</del>		
<del>CHEM 334<sup>P</sup></del>	<del>Quantitative Analysis Laboratory Biological</del>	<del>1</del>	
<u>CHEM 334<sup>P</sup></u>	<u>Quantitative Analysis Laboratory</u>	<u>1</u>	
<u>CHEM 335<sup>P</sup></u>	<u>Introduction to Analytical Chemistry</u>	<u>3</u>	
	TOTAL	<u>16</u>	<del>17</del>
<b>PROGRAM TOTAL = 25-<del>26</del> credits without prerequisites</b>			

<sup>P</sup> This course has at least one prerequisite. Check the Courses of Instruction section of the catalog or <http://catalog.colostate.edu/front/courses-of-instruction.aspx> to see the course prerequisites.

**Request to Add Pest Management Specialization to Master of Science in Bioagricultural Sciences**

A request by the Department of Bioagricultural Sciences and Pest Management to add a specialization in pest management (Plan B) to the Master of Science in bioagricultural sciences was approved. The recommended effective date, subject to approval by Faculty Council is Fall Semester 2009.

**Request to Drop Specializations**

A request by the Department of Bioagricultural Sciences and Pest Management to drop specializations in entomology, plant pathology, and weed science under the Master of Science (Plan B) in bioagricultural sciences was approved. The recommended effective date, subject to approval by Faculty Council, is Fall Semester 2009.

**Consideration of CSU-Global Academic Programs**

Guests Hunt Lambert and Maria Puzziferro from CSU-Global were present to answer questions and concerns from the committee regarding CSU-Global Campus graduate courses and programs. Drs. Lambert and Puzziferro will respond to UCC curricular questions at the next UCC meeting.

The meeting adjourned at 4:30 p.m.

(FC) 4/10/09

Carole Makela, Chair  
Tom Hoehn, Secretary