

College of Agriculture and Life Sciences

2011-12

I. SIGNIFICANT TRENDS:

Narrative explaining overall changes, mission, etc. For example: college mergers, renaming, new majors, teaching paradigms, etc. Refer to past college reports for examples.

The educational mission of the College of Agriculture & Life Sciences remains unchanged. We – like the rest of ISU - continue to offer internationally recognized degree programs, beginning at the baccalaureate level and extending through doctoral level. Our significant trends are increased enrollment (4,000+ students in BS through PhD programs, which is the highest enrollment in 32 years), increased demand for our five distance MS programs, and increased use of experiential learning such as international travel courses and service-learning. We have initiated a review of our outcomes assessment programs.

II. CURRICULA, MAJORS, MINORS ADDED OR DROPPED:

Majors Added:	None
Minors Added:	Agricultural Business
Certificates Added:	None
Majors, Minors, Certificates Dropped:	Insect Science

III. NEW COURSES:

Animal Ecology

A ECL 415 Ecology of Freshwater Invertebrates, Plants, and Algae. (2-3). Cr. 3.

A ECL 454 Principles of Wildlife Disease. (3-0). Cr. 3.

A ECL 554 Principles of Wildlife Disease. (3-0). Cr. 3.

Agricultural Education and Studies

AGEDS 113 Access to Success Seminar I. Cr. R. Repeatable.

AGEDS 327 Advanced Communications for Agriculture and Life Sciences. (2-2). Cr. 3.

Agronomy

AGRON 212L Field Application and Problems Solving in Crop Production. (0-2) Cr. 1

AGRON 523 Molecular Plant Breeding. (2-2). Cr. 3.

Animal Science

AN S 199 Marketing and Management of Livestock Events. (0-2). Cr. 1. Repeatable.

AN S 313 Exercise Physiology of Animals. (2-0). Cr. 2.

AN S 317 Fundamentals of Equine Behavior and Training. (0-6). Cr. 1-3.

AN S 414 Equine Nutrition and Feeding. (2-0). Cr. 2.

Biorenewable Resources and Technology

BRT 610 Food & Bioprocessing Enzymology. (2-3). Cr. 3.

Entomology

None

Forestry

None

Genetics

None

Global Resource Systems

GLOBE 220 Globalization and Sustainability. (3-0). Cr. 3.

GLOBE 385 Economic Development. (3-0). Cr. 3. Nonmajor Graduate Credit.

Horticulture

None

Microbiology

MICRO 101 Microbial World. (3-0). Cr. 3.

Natural Resource Ecology and Management

NREM 270 Foundations in Natural Resource Policy and History. (3-0). Cr. 3.

Plant Pathology

None

Seed Technology and Business

STB 501 Strategy and Planning. (2-0). Cr. 2.

STB 503 Information Systems. (2-0). Cr. 2.

STB 504 Marketing and Logistics. (3-0). Cr. 3.

STB 507 Organizational Behavior. (2-0). Cr. 2.

STB 508 Accounting and Finance. (3-0). Cr. 3.

STB 509 Seed Trade, Policy and Regulation. (3-0). Cr. 3.

Sustainable Agriculture

None

Technology Systems Management

TSM 322L Preservation of Grain Quality. (0-3). Cr. 1.

TSM 393 Topics in Technology. Cr. 1-4.

TSM 496 Technology Travel Course. Cr. 1-4. Repeatable, maximum of 6 credits.

IV. COURSES DROPPED:**Animal Ecology**

A ECL 441 Fisheries Techniques. (2-3). Cr. 3.

A ECL 541 Fisheries Techniques. (2-3). Cr. 3.

A ECL 600 Seminar. (2-0). Cr. 1.

Agricultural Education and Studies

AGEDS 290 Special Problems in Agricultural Education and Studies. Cr. 1-3.

AGEDS 298 Cooperative Education. Cr. R.

AGEDS 418 Supervised Extension Experience. Cr. 2-8.

AGEDS 498 Cooperative Education. Cr. R.

Agronomy

None

Animal Science

AN S 115 Horsemanship and Equitation. (0-4). Cr. 1.
AN S 353 Animal Breeding Programs Design. (0-4). Cr. 2.
AN S 423 Poultry Systems Management. (2-2). Cr. 3.
AN S 511 Applied Ruminant Nutrition. (2-0). Cr. 2.

Biorenewable Resources and Technology

None

Entomology

ENT 493 Workshop on Insect Management. Cr. 1.
ENT 565 Professional Practices in Science and Engineering. Cr. arr. Repeatable.

Forestry

None

Genetics

GEN 495 Molecular Biology for Computational Scientists. (3-0). Cr. 3.

Global Resource Systems

None

Horticulture

HORT 233 Foliage Plants for Interiorscapes. (2-2). Cr. 3.
HORT 423 Plant Tissue, Cell, and Protoplast Culture. (2-0). Cr. 2.
HORT 434 Greenhouse Crop Production I. (3-3). Cr. 4.
HORT 497 Professional Development Seminar. (1-0). Cr. 1.
HORT 537 Plant Stress Biology. (3-0). Cr. 3.

Microbiology

None

Natural Resource Ecology and Management

NREM 285 The National Parks: Culture and Nature. (2-0). Cr. 2.
NREM 472 Landscape Ecology and Natural Resource Management. (2-2). Cr. 3.
NREM 493 Workshop. Cr. 1-3.
NREM 532 Human Dimensions of Natural Resource Management. (3-0). Cr. 3.
NREM 572 Landscape Ecology and Natural Resource Management. (2-2). Cr. 3.
NREM 581 Methods for Presenting Scientific Results. (2-0). Cr. 2.

Plant Pathology

None

Seed Technology and Business

None

Sustainable Agriculture

None

Technology Systems Management

TSM 301 Leadership and Ethics Seminar. (1-0). Cr. 1.

TSM 401 Professionalism Seminar. (1-0). Cr. 1.
TSM 424 Impacts of Agriculture on Water Quality. (3-0). Cr. 3.
TSM 433 Precision Farming Systems Advanced Concepts and Applications. (3-0).
TSM 445 Polymer and Composite Processing. (2-2). Cr. 3.
TSM 491 Seed Science Internship Experience. Cr. 1-2.

V. NUMBER, CREDIT, AND TITLE CHANGES:

Animal Ecology

A ECL 371 Contact Hrs to: (2-3).
A ECL 442 Contact Hrs to: (3-0).
A ECL 551 Title to: Behavioral Ecology.

Agricultural Education and Studies

AGEDS 310 Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.
AGEDS 315 Title to: Personal, Professional, and Entrepreneurial Leadership in Agriculture.

Agronomy

AGRON 206 Title to: Introduction to Weather and Climate.
AGRON 212 Credit Hrs to: Cr. 3-0.
AGRON 522 Credit Hrs to: Cr. 1-2.
AGRON 546 Title to: Strategies for Diversified Farming Systems.
AGRON 565 Title to: Professional Practices in Sciences and Engineering.

Animal Science

AN S 217 Contact Hrs to: (1-2).
AN S 270 Contact Hrs to: (2-0). Credit Hrs to: Cr. 2.
AN S 319 Contact Hrs to: (3-0).
AN S 320 Contact Hrs to: (2-2). Credit Hrs to: Cr. 3.
AN S 337 Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.
AN S 434 Contact Hrs to: (3-0).
AN S 565 Title to: Professional Practices in Science and Engineering.

Biorenewable Resources & Technology

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

Entomology

None

Forestry

FOR 485 Title to: Wood and Natural Fiber Composites.
FOR 486 Title to: Drying Processes for Wood and Other Lignocellulosic Materials.

Genetics

None

Global Resource Systems

GLOBE 110 Title to: Orientation.
GLOBE 495 Contact Hrs to: (1-0). Credit Hrs to: Cr. 1

Horticulture

HORT 332 Title to: Greenhouse Operation, Management, and Crop Production I.

HORT 341 Title to: Woody Plant Cultivars: Shade Trees, Ornamental Trees and Woody Shrubs.

Contact Hrs to: (2-0). Credit Hrs to: Cr. 2.

HORT 424 Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.

HORT 435 Title to: Greenhouse Operation, Management, and Crop Production II. Contact Hrs to: (3-3).

Credit Hrs to: Cr. 4.

HORT 444 Title to: Landscape Construction Management.

HORT 524 Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.

HORT 546 Title to: Strategies for Diversified Farming Systems.

HORT 565 Title to: Professional Practices in the Science and Engineering.

Microbiology

MICRO 320 Title to: Molecular and Cellular Bacteriology.

MICRO 381 Contact Hrs to: (2-1). Credit Hrs to: Cr. 3.

MICRO 440 Contact Hrs to: (2-6). Credit Hrs to: Cr. 4.

MICRO 565 Title to: Professional Practices in Science and Engineering.

Natural Resource Ecology and Management

None

Plant Pathology

PL P 565 Title to: Professional Practices in Science and Engineering.

Seed Technology and Business

STB 510 Contact Hrs to: (3-0).

STB 534 Contact Hrs to: (2-0).

STB 536 Contact Hrs to: (1-0).

STB 539 Contact Hrs to: (2-0).

STB 547 Contact Hrs to: (2-0).

STB 595 Contact Hrs to: (3-0).

Sustainable Agriculture

SUSAG 546 Title to: Strategies for Diversified Food and Farming Systems.

Technology Systems Management

TSM 201 Title to: Preparing for Workplace Seminar.

TSM 322 Contact Hrs to: (2-0). Credit Hrs to: Cr. 2.

TSM 324 Contact Hrs to: (2-2).

TSM 371 Number changed from: 272.

TSM 376 Number changed from: 276.

TSM 477 Title to: Risk Analysis and Management.

TSM 577 Title to: Risk Analysis and Management.

VI. COURSES ADDED FOR NONMAJOR GRADUATE CREDIT

None

VII. COURSES DROPPED FOR NONMAJOR GRADUATE CREDIT

AGEDS 418

AN S 353

AN S 423

Ent 493

Gen 495

Hort 434

TSM 424

TSM 433

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

Summary of Changes					
Department	New	Dropped	Number	Credit	Title
A ECL	3	3	0	0	1
AGEDS	2	4	0	1	1
AGRON	2	0	1	2	3
AN S	4	4	0	3	1
BRT	1	0	0	1	0
ENT	0	2	0	0	0
FOR	0	0	0	0	2
GEN	0	1	0	0	0
GLOBE	2	0	0	1	1
HORT	0	5	0	4	6
MICRO	1	0	0	2	2
NREM	1	6	0	0	0
PL P	0	0	0	0	1
STB	6	0	0	0	0
SUSAG	0	0	0	0	1
TSM	3	6	2	1	3
Total College of Agriculture and Life Sciences	16	30	4	12	21

IX. Changes since Proposed Departmental Changes for General Review

X. JUSTIFICATION FOR NEW COURSES - *please see pages 7 through 9*

Summary Table Justifying New Courses

Department Name	Designator and Course Number	Nonmajor graduate credit		Required in Program		Experimental Offering				Justification (If not required in a program or offered experimentally)	
		No	Yes	No	Yes	No	Term	Year	Enroll		
A ECL	415	x			x	x					This course is on the list of restricted electives for the Fisheries Option. In addition, it is scheduled to be dual listed with A Ecl 515. The reason for this change in designation is that the course continues to get a large majority of undergraduates that then requires a change in instruction technique. A undergraduate course designation would be more appropriate for undergraduate; extra reading and assignments will continue to be expected for those enrolled in the graduate course.
A ECL	454	x			x		S	2007	23	Experimental status should be removed Course covers an emerging field in natural resources, of high interest to future employers (e.g., DNR).	
							S	2008	24		
							S	2009	27		
A ECL	554				x		S	2007	3	Experimental status should be removed Course covers an emerging field in natural resources, of high interest to future employers (e.g., DNR).	
							S	2008	1		
							S	2009	1		
AGEDS	113	x			x		F	2008	0		
							F	2009	15		
AGEDS	327	x			x		S	2010	28		
							F	2010	38		
AGRON	523				x		S	2009	10		
							S	2010	13		
AN S	199	x		x			F	2009	6	This course should be removed from the experimental course list.	
							S	2010	15		
							F	2010	11		

AN S	313	x		x						S11 to be offered first time. It is a distance course.
AN S	317	x		x			F	2009	9	Limited enrollment to 12 because it is lab intense activity.
							F	2010	12	
AN S	414	x		x						S11 To be offered first time, distance course
ENT	565									Dropped cross-listing for ENT
MICRO	101	x		x			F	2010	22	First year microbiology students taking Micro 302 as their first exposure to the science of microbiology are often overwhelmed with the science. By teaching students more context we hope to give first year students the framework to learn the details of microbiology in later, more advanced courses. This course is also intended for a life sciences course for non-science majors. It is important all ISU graduates can form reasonable, well-educated opinions on scientific current events.
NREM	270	x		x		x				Professional organizations in wildlife and forestry require students to have at least 6 credits in policy and law for certification. The NREM department wishes to offer course options in policy specific to our students' professional goals, interest, and expertise. This course will complement an existing course in Natural Resource Policy at the 300 level. We intend that it should not overlap with existing courses in other departments.
TSM	332L	x		X		X				The lecture component of TSM 322 is offered on-line/distance education but the lab experience could not be handled in this format. The lab section was spilt off to form a separated course for on-campus student. It is not a new course but a new listing of existing course. The on campus student enrollment in TSM 322 (2-3) course and the enrollment of TSM 323X distance education course are reasons for this change.

TSM	393	X		X		X				Currently these courses were being taught as TSM 381X Agricultural Safety and Health and TSM323X Fundamentals of Preservation of Grain Quality and taken by student at other Midwestern Universities. Our multi-university consortium in the Midwest will continue to offer shared courses and a simpler method of responding to these courses was required. This approach allows the flexibility need for these important collaborative offerings.
TSM	496	X		X			SS	2007	12	The department is engaged internationally and our students are looking for these experiences. This has been offered as a X course and was overlooked and not placed in current catalog 09-11. This is correcting an error from the last cycle.
							S	2010	10	
							SS	2010	10	
							F	2010	10	

Process:

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

December: Final approval by the Faculty Senate.

College of Business

2011-2013

I. SIGNIFICANT TRENDS:

Changes to the MBA program.

As a result of a two year review led by a faculty task force, four significant curriculum changes have taken place in the MBA program: (1) The MBA core curriculum has been expanded from 24 credit hours to 30 credit hours, (total credits required have not changed); (2) all of the core courses are now 3 credit hour courses, replacing the one and two credit "modules" we had been offering; (3) the core program has adopted a focus on sustainability and corporate social responsibility; and (4) a second professional development course has been added. Additionally, there has been a change in the delivery of the program as the part-time Saturday program was eliminated due to declining student enrollments.

Combination of Operations and Supply Change Management and Logistics and Supply Change Management majors and minors. Program name change to Supply Chain Management.

There are three major objectives for this revision of the OSCM and LSCM undergraduate curriculum. To meet the requirement of the newly created Supply Chain Management undergraduate major, while preserving some of the traditional logistics and operations management features of current programs; to attract more students to the SCM major by offering interesting, contemporary, and streamlined curriculum; to attract more students to choose SCM minor by removing unnecessary restrictions, pre-requisites, and required courses.

Change of Program and Minor title from Management Information Systems to Information Systems.

The term "Management Information Systems" is dated with its origin in the 1960s. The current scope of information technology in organizations has far exceeded the "management" function as the term implies. IT has been used as production resources as well as management tools in organizations today. The department already offers an MS in Information Systems (MSIS) degree. The new name will make the undergraduate and graduate programs aligned and consistent

II. CURRICULA, MAJORS, MINORS, CERTIFICATES ADDED OR DROPPED:

Added: Supply Chain Management major
Supply Chain Management minor
Information Systems major
Information Systems minor

Dropped: Logistics and Supply Chain Management major
Logistics and Supply Chain Management minor
Operations and Supply Chain Management major
Operations and Supply Chain Management minor
Management and Information Systems major
Management and Information Systems minor

III. NEW COURSES:

Accounting

ACCT 301 The Accounting Cycle. (1-0). Cr. 1. Nonmajor Graduate Credit.
ACCT 484 Advanced Accounting Information Systems. (3-0). Cr. 3. Nonmajor Graduate Credit.
ACCT 496 International Accounting. (3-0). Cr. 3. Nonmajor Graduate Credit.
ACCT 584 Advanced Accounting Information Systems. (3-0). Cr. 3.
ACCT 587 Volunteer Income Tax Assistance. (0-2). Cr. 1. Repeatable, maximum of 3 credits.

Business Administration

BUSAD 502 Quantitative Business Analysis and Decision Making. (3-0). Cr. 3.
BUSAD 594 MBA Professional Skills Development II. Cr. R.

Finance

None

Logistics and Supply Chain Management

None

Management

MGMT 367 International Entrepreneurship. (3-0). Cr. 3.
MGMT 503 Ethical leadership and Governance in Business. (3-0). Cr. 3.
MGMT 504 Strategic Management. (3-0). Cr. 3.
MGMT 572 Personality and Management. (3-0). Cr. 3.

Management Information Systems

MIS 231 Introduction to Business Programming. (3-0). Cr. 3.

Marketing

MKT 445 Customer Relationship Management. (3-0). Cr. 3.

Operations and Supply Chain Management

None

Supply Chain Management

SCM 301 Supply Chain Management. (3-0). Cr. 3.
SCM 437 Project Management. (3-0). Cr. 3. Nonmajor Graduate Credit.

IV. COURSES DROPPED:**Accounting**

ACCT 533 Data Management for Decision Makers. (3-0). Cr. 3.

Logistics and Supply Chain Management

LSCM 360 Business Logistics. (3-0). Cr. 3.
LSCM 469 Transportation and Logistics Issues. (3-0). Cr. 3.

Management

MGMT 501 Strategy Formation. (1-0). Cr. 1.
MGMT 511 Ethics and Social Responsibility. (1-0). Cr. 1.
MGMT 512 Strategic Management. (2-0). Cr. 2.
MGMT 575 Compensation Management. (3-0). Cr. 3.

Management Information Systems

MIS 423 Information Systems for Managerial Decision Making. (3-0). Cr. 3.

Marketing

MKT 509 International Business. (2-0). Cr. 2.

Operations and Supply Chain Management

OSCM 320 Production/Operations Management. (3-0). Cr. 3.

OSCM 440 Supply Chain Information Systems. (3-0). Cr. 3.

OSCM 485 Demand Planning and Management. (3-0). Cr. 3.

OSCM 486 Principles of Purchasing and Supply Management. (3-0). Cr. 3.

OSCM 487 Strategic Supply Chain Management. (3-0). Cr. 3.

OSCM 490 Independent Study. Cr. 1-3.

V. NUMBER, CREDIT, AND TITLE CHANGES:

Accounting

ACCT 487 Number changed from: 486.

ACCT 501 Number changed from: 508. Title to: Financial Accounting. Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.

ACCT 582 Title to: Corporate Governance and Top Management.

ACCT 585 Title to: Taxes and Business Strategy.

Business Administration

BUSAD 202 Number changed from: 301.

Finance

FIN 501 Number changed from: 505. Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.

Management

MGMT 502 Number changed from: 507. Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.

MGMT 565 Title to: Early Stage Entrepreneurship - Mind to Market.

MGMT 581 Title to: Contemporary Topics in Strategy.

MGMT 582 Title to: Corporate Governance and Top Management.

Management Information Systems

MIS 331 Title to: Intermediate Business Programming.

MIS 431 Title to: Advanced Business Programming.

MIS 435 Title to: Information Systems Infrastructure.

MIS 445 Title to: Enterprise Systems and Architecture.

MIS 501 Number changed from: 503.

MIS 602 Credit Hrs to: Cr. 3.

Marketing

MKT 501 Number changed from: 504. Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.

Supply Chain Management

SCM 422 Designator changed from: OSCM.

SCM 424 Designator changed from: OSCM.

SCM 428 Designator changed from: OSCM.

SCM 440 Designator changed from: LSCM.

SCM 460 Designator changed from: LSCM.

SCM 461 Designator changed from: LSCM.

SCM 462 Designator changed from: LSCM.

SCM 466 Designator changed from: LSCM.

SCM 485 Designator changed from: LSCM.

SCM 486 Designator changed from: LSCM.

SCM 487 Designator changed from: LSCM.
 SCM 490 Designator changed from: LSCM.
 SCM 501 Number changed from: 502. Contact Hrs to: (3-0). Credit Hrs to: Cr. 3

VI. COURSES ADDED FOR NONMAJOR GRADUATE CREDIT

ACCT 301
 ACCT 484
 ACCT 496
 SCM 437

VII. COURSES DROPPED FOR NONMAJOR GRADUATE CREDIT

LSCM 469
 MIS 423
 OSCM 485
 OSCM 486
 OSCM 487

VIII. SUMMARY OF CHANGES:

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

Summary of Changes					
Department	New	Dropped	Number	Credit	Title
ACCT	5	1	2	1	3
BUSAD	2	0	1	0	0
FIN	0	0	1	1	0
LSCM	0	2	0	0	0
MGMT	4	4	1	1	3
MIS	1	1	1	1	4
MKT	1	1	1	1	0
OSCM	0	6	0	0	0
SCM	2	0	1	1	0
Total College of Business	15	15	8	6	10

XI. CHANGES SINCE PROPOSED DEPARTMENTAL CHANGES FOR GENERAL REVIEW

XII. JUSTIFICATION FOR NEW COURSES

BUSAD 502 Quantitative Business Analysis and Decision Making
BUSAD 594 MBA Professional Skills Development
MGMT 503 Ethical Leadership and Governance in Business
MGMT 504 Strategic Management

The courses listed above are required for the revised MBA core curriculum.

ACCT 301 The Accounting Cycle

An Interactive computer based course that covers the accounting cycle including transactions and financial statements. It is designed to provide a transition from the user-perspective of the introductory accounting courses to the upper level courses that require a technical foundation in accounting techniques. Preparation of journal entries and adjusting entries and completion of the closing process is covered.

ACCT 484/584 Advanced Accounting Information Systems (dual listed with Acct 584)

Acct 484/584 is an advanced accounting information course designed to cover several important topics such as systems development, systems documentation, information technology internal controls, and electronic disclosure in more depth than can be provided in our current introduction to accounting information systems course (Acct 384).

ACCT 496 International Accounting. (Dual-listed with 596)

International accounting introduces students to the efforts to converge US Generally Accepted Accounting Principles with International Standards. The SEC has indicated that the US could adopt international standards for US companies within the next few years. This course is part of our effort to incorporate this critical topic of international standards into the undergraduate curriculum.

ACCT 587 Volunteer Income Tax Assistance. Dual listed with ACCT 487

Acct 587 allows graduate students to obtain graduate credit for the volunteer tax preparation course. Students complete the same training and service requirements as in the undergraduate course (Acct 487). In addition, they write a paper on current tax topics of interest.

FIN 499E Internship Corporate

We are proposing to add a corporate designation for student internships that focus primarily on corporate finance and financial management. Currently, students with corporate internships register under one of the four other internship designations: banking, insurance, real estate and investment. This new course will better reflect the content of the internship.

MGMT 367 International Entrepreneurship

The essentials of operating an entrepreneurial firm in an international environment. Topics include understanding the role of entrepreneurship in economic development, starting and developing a business in an international market, financing international ventures, international management issues and exchange rates.

MGMT 572 Personality and Management

This course surveys the literature relating personality and individual differences to management. Personality and individual differences have significant implications for human resource management, organizational behavior and strategic management. Recent research has convincingly shown that these characteristics are central to many core management topics including motivation, leadership, and decision making.

MIS 231 Introduction to Business Programming

We are proposing to add this new course into the business curriculum primarily for students who are inclined to be a Management Information Systems major. The current curriculum requires that all MIS majors take Com S 207 before they can take MIS core and elective courses. This requirement creates a few significant problems for our prospective students, including but not limited to the following:

- 1) Com S 207 is an introduction to computer programming course offered by Computer Science department to non-computer science majors. Using a non-major course offered by another department as a gatekeeper for MIS major is not a sound curriculum design.
- 2) In every MIS course, regardless whether it is about technology or management strategy, the concepts and techniques are always associated with real world business problems and scenarios. Those students who choose MIS major over Computer Science major do it primarily for this reason. And employers hire MIS graduates also primarily for their balanced business and technical knowledge and skills.
- 3) Requiring potential MIS students taking a computer science course before taking MIS courses creates an unnecessary hurdle that many students are unwilling to jump. The consequence is the leakage and erosion of MIS enrollment.

After carefully evaluating multiple alternatives, the MIS faculty proposes to create a new MIS 231 course for MIS majors. This course will cover the necessary contents to prepare students for subsequent MIS major courses. At the meantime, Com S 207 will be an elective for the MIS major. Students who take either MIS 231 or Com S 207 will be allowed to enter the MIS major upper level courses. This solution has the benefits of not interrupting the business core or the MIS major curriculum. This course can also be open to all business students who are interested in learning the basics of computer programming in the business context.

MKT 445 Customer Relationship Management.

Offered in 2009 and 2010 as MKT 445X. Examines how customer data can be used to enhance decisions relating to customer acquisition, development and retention. Topics include customer lifetime value, customers as assets, customer loyalty programs and customization.

SCM 301: Supply Chain Management

This course is created to replace the LSCM 360 and OSCM 320 in the current curriculum. With the new SCM major, requiring students to take both LSCM 360 and OSCM 320 will be unnecessary due to the overlapping of contents in these two and subsequent courses. SCM 301 is created by selecting the core concepts and key skills covered in both LSCM 360 and OSCM 320 to prepare business students with fundamental knowledge about supply chain management and SCM students for upper level core and elective courses in the major curriculum.

SCM 437 Project Management. Cross listed with MIS 437

Project management has been a key skill for students to have a successful career in supply chain management. The supply chain faculty has always wanted to have a project management course in the curriculum. To better utilize faculty resources and at the meantime to deliver valuable skills to students, the department decided to modify the current MIS 437 course to meet the needs of both SCM and MIS majors. As a result, we propose to cross list MIS 437 as SCM 437.

Summary Table										
Department Name	Designator and Course Number	Nonmajor graduate credit		Required in Program		Experimental Offering				<u>Justification for:</u> Y courses offered experimentally Y not required in a program
		No	Yes	No	Yes	No	Term	Year	Enroll	
ACCOUNTING	ACCT 301		X		X	X				
	ACCT 484		X	X			Fall	2009	5	Acct 484/584 is an advanced accounting information course designed to cover several important topics such as systems development, systems documentation, information technology internal controls, and electronic disclosure in more depth than can be provided in our current introduction to accounting information systems course (Acct 384).
	ACCT 496		X	X			Spring	2010	16	This course is part of an effort to incorporate a critical topic of international standards into the undergraduate curriculum.
							Fall	2010	16	
	ACCT 584		X	X			Fall	2009	8	Acct 484/584 is an advanced accounting information course designed to cover several important topics such as systems development, systems documentation, information technology internal controls, and electronic disclosure in more depth than can be provided in our current introduction to accounting information systems course (acct 384).
							Fall	2010	7	
	ACCT 587		X	X		X				Acct 587 allows graduate students to obtain graduate credit for the volunteer tax preparation course. Students complete the same training and service requirements as in the undergraduate course (Acct 487). In addition, they write a paper on current tax topics of interest.

BUSAD	BUSAD 502	X			X	X					
	BUSAD 594	X			X	X					
INFORMATION SYSTEMS	MIS 231	X			X	X					
MANAGEMENT	MGMT 367	X		X			Summer	2009	8	MGMT 367 is an on-line elective course offered as part of the International Business major through the Valencia Study Abroad summer program.	
							Summer	2010	3		
	MGMT 503		X		X	X					
	MGMT 504		X		X	X					
	MGMT 572		X	X			Fall	2010	18	MGMT 572 provides knowledge and skills important for managerial performance. MBA students and individuals in management positions need to understand how individual characteristics and differences affect workplace behaviors and decisions.	
MARKETING	MKT 445	X		X			Spring	2010	97	MKT 445 is a key elective course for Marketing students who will work with retail marketing plan development for large and small business.	
							Fall	2010	87		
SCM	SCM 301	X			X		Summer	2010	51		
							Fall	2010	479		
	SCM 437		X	X		X					

College of Design 2011-2012

I. SIGNIFICANT TRENDS:

The mission of the college remains unchanged.

The college's departmental/program structure is currently under study and will be recast by Fall 2011.

The college is currently considering adding several new degree programs to its offerings. Study committees are developing proposals that will be reviewed by the college's faculty and, if passed, sent on for university and Board of Regents review.

The college added a new undergraduate major in Industrial Design. A program director and faculty member have been hired and the curriculum for this major is under development. A proposal to create a Master of Industrial Design is currently working its way through the final stages of the university/Board of Regents approval process.

The Department of Architecture and Department of Landscape Architecture have rewritten their graduate programs to better differentiate between the graduate degrees (M.Arch. and M.L.A.) that are accredited by their respective professional organization and those with a research focus (M.S. in Arch. and M.S. in L.A.).

The Department of Community and Regional Planning added two dual-degree graduate programs with Business (M.C.R.P./M.B.A.) and Sustainable Agriculture (M.C.R.P./M.S.).

The college added a minor in Critical Studies in Design for undergraduate students interested in design history/theory/criticism.

II. CURRICULA, MAJORS, MINORS ADDED OR DROPPED:

Majors Added:

Bachelor of Industrial Design

Master of Architecture (formerly M.Arch. I)

Master of Science in Architecture (formerly M.Arch. II and M.S.A.S)

Master of Landscape Architecture (formerly M.L.A. and B.L.A./M.L.A.)

Master of Science in Landscape Architecture (formerly M.L.A.)

Master of Community and Regional Planning / Master of Business Administration

Master of Community and Regional Planning / Master of Science in Sustainable Agriculture

Minors Added:

Critical Studies in Design

Certificates Added:

none

Majors, Minors, Certificates Dropped:

Master of Architecture I

Master of Architecture II

Master of Science in Architectural Studies

Bachelor of Landscape Architecture / Master of Landscape Architecture

III. NEW COURSES:

Architecture

ARCH 245 Building Science and Technology I. (2-2). Cr. 3.

ARCH 321 History of the American City. (3-0). Cr. 3. Nonmajor Graduate Credit.

ARCH 341 Building Science and Technology II. (3-4). Cr. 5.

ARCH 342 Building Science and Technology III. (3-4). Cr. 5.
ARCH 343 Building Science and Technology IV. (3-4). Cr. 5.
ARCH 429 Topics in Italian Architecture and Urbanism. (3-0). Cr. 3.
ARCH 445 Building Science and Technology V. (2-2). Cr. 3.
ARCH 486 Design: Made in Italy. (3-0). Cr. 3.
ARCH 604 Design Studio Options. (0-12). Cr. 6. Repeatable, maximum of 12 credits.

Art: Graphic Design

ARTGR 471 Graphic Design Capstone Class. (0-6). Cr. 3.

Art: Interior Design

ARTID 599 Creative Component. Cr. arr. Repeatable.

Art: Integrated Studio Arts

ARTIS 202 Studio Fundamentals: Wood. (0-8). Cr. 2.
ARTIS 204 Studio Fundamentals: Ceramics. (0-8). Cr. 2.
ARTIS 210 Studio Fundamentals: Photo. (0-8). Cr. 2.
ARTIS 212 Studio Fundamentals: Computers. (0-8). Cr. 2.

Community and Regional Planning

C R P 563 Planning the American Metropolis. (3-0). Cr. 3.
C R P 564 Introduction to Analytical Methods for Planning. (3-0). Cr. 3.
C R P 566 Values and Decision Making. (3-0). Cr. 3.
C R P 568 Planning and Development. (3-0). Cr. 3.
C R P 698 Capstone Studio. (1-6). Cr. 4.

Design Studies

DSN S 232 Digital Design Communications. (3-0). Cr. 3.
DSN S 321 History of the American City. (3-0). Cr. 3.
DSN S 486 Design: Made in Italy. (3-0). Cr. 3.
DSN S 532 Community Planning Studio. (1-4). Cr. 3.
DSN S 563 Planning and the American Metropolis. (3-0). Cr. 3.
DSN S 566 Values and Decision Making. (3-0). Cr. 3.

Landscape Architecture

LA 270 Foundations in Natural Resource Policy and History. (3-0). Cr. 3.
LA 405H Senior Thesis (0-15). Cr. 6-7.
LA 464 Urban and Peri-urban Watershed Assessment (2-3). Cr. 3
LA 491 Environmental Law and Planning (3-0). Cr. 3.
LA 521 Advanced Planting Design (2-3). Cr. 3.
LA 564 Urban and Peri-urban Watershed Assessment (2-3). Cr. 3
LA 591 Environmental Law and Planning (3-0). Cr. 3.

IV. COURSES DROPPED:

Architecture

ARCH 102 Pre-Architecture Design. (1-6). Cr. 4.
ARCH 132 Two-Dimensional Studio. (0-6). Cr. 2.
ARCH 182 An Introduction to Architecture. (3-0). Cr. 3.
ARCH 240 Materials and Assemblies I. (3-0). Cr. 3.
ARCH 242 Architectural Structures I. (3-1). Cr. 3.
ARCH 344 Architectural Structures II. (3-0). Cr. 3.
ARCH 346 Architectural Structures III. (3-0). Cr. 3.
ARCH 357 Environmental Forces in Architecture. (3-0). Cr. 3.
ARCH 448 Materials and Assemblies II. (3-0). Cr. 3.
ARCH 458 Environmental Control Systems. (3-0). Cr. 3.

Art and Design

ART 110 Orientation to Art and Design. Cr. R.

Art: Interior Design

ARTID 262 Graphic Communication for Interior Design II. (0-4). Cr. 2.

Community and Regional Planning

C R P 501 Methods I. (3-0). Cr. 3.

C R P 502 Methods II. (3-0). Cr. 3.

C R P 504 Why Change Anything?. (3-0). Cr. 3.

C R P 511 Introduction to Community and Regional Planning. (3-0). Cr. 3.

C R P 521 Land Use Planning. (3-0). Cr. 3.

C R P 523 Economic Analysis and the Financing of Public Planning Projects. (3-0). Cr. 3

Design Studies

DSN S 504 Why Change Anything?. (3-0). Cr. 3.

Landscape Architecture

L A 285 The National Parks: Culture and Nature. (2-0). Cr. 2.

L A 405 Senior Thesis. (0-15). Cr. 6.

L A 465 Landscape Change and Conservation. (3-0). Cr. 3.

L A 562 Studio in Resource Conservation and Management. Cr. 2-6.

L A 565 Landscape Change and Conservation. (3-0). Cr. 3.

L A 572 Landscape Architectural History and Preservation. (3-0). Cr. 3.

V. NUMBER, CREDIT, AND TITLE CHANGES:**Architecture**

ARCH 335 Contact Hrs to: (1-4). Credit Hrs to: Cr. 3.

ARCH 505 Title to: Architectural Design and Media I: Mapping, Programming, Building.

ARCH 506 Title to: Architectural Design and Media II: Materiality and Representation.

ARCH 507 Title to: Architectural Design and Media III: Design in Detail.

ARCH 535 Contact Hrs to: (1-4). Credit Hrs to: Cr. 3.

ARCH 598 Title to: Seminar on the Built Environment IV: Topical Study.

ARCH 601 Title to: Sustainable Building Design.

ARCH 602 Title to: Community, Building and the Environment.

Art History

ART H 292 Designator changed from: ART.

ART H 488 Title to: Modern Art and Theory I.

ART H 495 Title to: Art and Theory Since 1945.

ART H 588 Title to: Modern Art and Theory I.

ART H 595 Title to: Art and Theory Since 1945.

Art: Graphic Design

ARTGR 291 Title to: Visual Communication and Branding. Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.

ARTGR 372 Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.

ARTGR 472 Title to: Photography and Narrative Message.

ARTGR 473 Title to: Multimedia Design.

ARTGR 572 Title to: Photography and Narrative Message.

ARTGR 573 Title to: Multimedia Design.

Art: Interior Design

ARTID 251 Title to: *Human Factors in Design*.

ARTID 261 Contact Hrs to: (2-2). Credit Hrs to: Cr. 3.

ARTID 263 Title to: *Graphic Communication for Interior Design II*. Contact Hrs to: (2-2). Credit Hrs to: Cr. 3.

ARTID 350 Title to: *Interior Finish Materials and Systems*. Contact Hrs to: (3-0).

ARTID 351 Title to: *Interior Health and Safety Systems*. Contact Hrs to: (3-0).

ARTID 352 Title to: *Interior Environmental Control Systems*. Contact Hrs to: (3-0).

ARTID 353 Title to: *Interior Building Systems and Details*. Contact Hrs to: (3-0).

ARTID 598 Credit Hrs to: Cr. 1-3.

ARTID 665 Contact Hrs to: (0-8). Credit Hrs to: Cr. 4.

ARTID 667 Contact Hrs to: (0-8). Credit Hrs to: Cr. 4.

ARTID 698 Credit Hrs to: Cr. 1-3.

Art: Integrated Studio Arts

ARTIS 201 Title to: *Creative Visual Thinking*.

ARTIS 203 Number changed from: 207. Title to: *Studio Fundamentals: Jewelry/Metalsmithing*. Contact Hrs to: (0-8). Credit Hrs to: Cr. 2.

ARTIS 206 Number changed from: 209. Title to: *Studio Fundamentals: Printmaking*. Contact Hrs to: (0-8). Credit Hrs to: Cr. 2.

ARTIS 213 Number changed from: 211. Title to: *Studio Fundamentals: Painting*. Contact Hrs to: (0-8). Credit Hrs to: Cr. 2.

ARTIS 214 Number changed from: 205. Title to: *Studio Fundamentals: Textiles*. Contact Hrs to: (0-8). Credit Hrs to: Cr. 2.

ARTIS 230 Designator changed from: ART.

ARTIS 305 Title to: *Integrated Media*.

ARTIS 310 Title to: *Sources of Visual Art*.

ARTIS 311 Contact Hrs to: 0.

ARTIS 322 Title to: *Intermediate Ceramics Studio*.

ARTIS 335 Contact Hrs to: (1-4). Credit Hrs to: Cr. 3.

ARTIS 345 Title to: *Woven Textile Structures*.

ARTIS 505 Title to: *Integrated Media*.

ARTIS 522 Title to: *Graduate Ceramics Studio*.

Community and Regional Planning

C R P 532 Contact Hrs to: (1-4). Credit Hrs to: Cr. 3.

C R P 561 Title to: *Planning Theory for Practice*.

Design Studies

DSN S 371 Title to: *History of Modern Landscapes, 1750 to Present*.

DSN S 373 Title to: *Gardens and Landscapes, Antiquity to 1750*.

DSN S 488 Title to: *Modern Art and Theory I*.

DSN S 495 Title to: *Art and Theory Since 1945*.

DSN S 588 Title to: *Modern Art and Theory I*.

DSN S 595 Title to: *Art and Theory Since 1945*.

Landscape Architecture

L A 322 Contact Hrs to: (2-3). Credit Hrs to: Cr. 3.

L A 371 Title to: *History of Modern Landscapes, 1750 to Present*.

L A 373 Title to: *Gardens and Landscapes from Antiquity to 1750*.

L A 403H Number changed from: 403.

L A 421 Contact Hrs to: (2-3). Credit Hrs to: Cr. 3.

L A 444 Number changed from: 451.

L A 571 Number changed from: 501.

L A 582 Title to: *Graduate Seminar*. Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.

VI. COURSES ADDED FOR NONMAJOR GRADUATE CREDIT

Architecture
ARCH 321

VII. COURSES DROPPED FOR NONMAJOR GRADUATE CREDIT

None

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

Summary of Changes					
Department	New	Dropped	Number	Credit	Title
ARCH	9	10	0	2	6
ART	0	1	0	0	0
ART H	0	0	0	0	0
ARTED	0	0	0	0	0
ARTGR	1	0	0	2	5
ARTID	1	1	0	6	6
ARTIS	4	0	8	5	11
C R P	5	6	0	1	1
DSN S	6	1	0	0	6
L A	7	6	6	3	3
Total College of Design	33	25	14	19	42

XIII. Changes since Proposed Departmental Changes for General Review

None

XIV. JUSTIFICATION FOR NEW COURSES

Summary Table

Program Name	Designator and Course Number	Nonmajor graduate credit		Required in Program		Offered Experimentally			Justification (If not required in program or offered experimentally)
						N	If Yes, latest two offerings		
							Term	Year	
Architecture	ARCH 245	x			x		Fall	2010	
	ARCH 321		x		x	x			One of a group of courses that students take to satisfy a curriculum requirement.
	ARCH 341	x			x	x			
	ARCH 342	x			x	x			
	ARCH 343	x			x	x			
	ARCH 429	x		x		x			Required of students who enroll in the Rome study abroad program.
	ARCH 445	x			x	x			
	ARCH 486	x		x		x			Required of students who enroll in the Rome study abroad program.

Summary Table

Program Name	Designator and Course Number	Nonmajor graduate credit		Required in Program		Offered Experimentally			Justification (If not required in program or offered experimentally)	
		N	Y	N	Y	N	If Yes, latest two offerings			
							Term	Year		Enrollment
	ARCH 604	x			x	x				One of a group of courses that students take to satisfy a curriculum requirement.
Graphic Design	ARTGR 471	x			x					
Interior Design	ARTID 599	x			x					Required of graduate students who do not write a thesis.
Integrated Studio Arts	ARTIS 202	x			x					
	ARTIS 204	x			x					
	ARTIS 210	x			x					
	ARTIS 212	x			x					
Community and Regional Planning	CRP 563	x			x		Fall	2010		
	CRP 564	x			x		Fall	2010		
	CRP 566	x			x		Fall	2010		
	CRP 568	x			x		Spring	2011		
	CRP 698	x			x					
Design Studies	DSNS 232	x		x			Spring	2010		Offers non-majors access to an introductory course in digital media.
	DSNS 321	x		x						Cross listed with Arch 321.
	DSNS 486	x			x		Spring	2011		Required of students who enroll in the Rome study-abroad program.
	DSNS 532	x		x						Cross listed with CRP 532.
	DSNS 563	x		x						Cross listed with CRP 563.
	DNSS 566	x		x						Cross listed with CRP 566.
Landscape Architecture	LA 270	x		x						Cross listed with NREM 270.
	LA 405H	x		x						Added an honors section of Senior Thesis course.
	LA464	x			x		Fall	2009		One of several courses students take to satisfy a professional elective requirement.
	LA 491	x		x						Cross-listed with CRP 491.
	LA 521	x			x					
	LA 564	x		x			Fall	2009		An options course for graduate students.
	LA 591	x		x						Cross listed with CRP 591

College of Engineering

2011-2012 Catalog Report

November 5, 2010

I. SIGNIFICANT TRENDS:

Narrative explaining overall changes, mission, etc. For example: college mergers, renaming, new majors, teaching paradigms, etc. Refer to past college reports for examples.

Continued increases in enrollment have put pressures on course availability and laboratory classes, necessitating course delivery innovations.

The college is experiencing large enrollments of undergraduate international students, particularly from China. The Civil, Construction and Environmental Engineering Department has developed a 2+2 program with Lanzhou Jiaotong University of China that brings 20 undergraduates per year to the department. Other programs in the college are looking at developing similar programs with Lanzhou and other international universities.

Many engineers are hired into positions involving sales and marketing of technical products, services and systems. Additionally, employers have expressed a need to be able to hire engineers that not only have strong engineering problem solving skills, but also have knowledge of the technical sales process. This need was fulfilled by the development of an Engineering Sales Minor. The minor equips engineering students from any engineering major with knowledge and expertise in technical sales. Industry and alumni supported this minor by providing monetary and advisory support. An active industrial advisory group is providing direction and guidance for the program and also provides case studies, examples, and other material to support the development of the courses and minor. Monetary support has been provided to support this initiative through an endowment.

Increased demand from students and industry for continuing education opportunities led the college and its departments to a number of enhancements of the graduate offerings. Industry increasingly seeks professional degrees (i.e., not research based) for its employees. Additionally, engineering organizations are pushing to raise the entry level for professional practice to a minimum of a Master's degree. To meet these demands, course work only master's degrees (Master of Engineering) were developed for those departments that did not have this option. Additionally, several certificate programs were developed to provide specialized education opportunities in specific areas. These M.Eng. and certificates are listed below. Most of these programs are available to off campus students through the revamped Engineering Online Learning center. Formerly Engineering Distance Education, this office was reorganized to meet the increasing demand from graduate engineers and companies for continuing education opportunities.

The college is continuing its emphasis on bioengineering and biorenewable resource development. The new Biorenewable Research Lab is one result of that and complements the teaching activities in these areas.

II. CURRICULA, MAJORS, MINORS ADDED OR DROPPED:

Majors Added:

None

Minors Added:

Engineering Sales

Master Degrees Added: (all course work only)

Master of Engineering in Civil Engineering

Master of Engineering in Computer Engineering

Master of Engineering in Electrical Engineering

Master of Engineering in Industrial Engineering

Master of Engineering in Information Assurance

Master of Engineering in Materials Science and Engineering
Master of Engineering in Mechanical Engineering

Certificates Added: (all available online)

Construction Management Graduate
Environmental Systems Graduate
Computer Networking Graduate
Computational Fluid Dynamics Graduate
Embedded Systems Graduate
Software Systems Graduate
Nondestructive Evaluation Graduate

Majors, Minors, Certificates Dropped:

III. NEW COURSES:

Agricultural Engineering

A E 218 Project Management & Design in Agricultural and Biosystems Engineering. (1-2). Cr. 2.
A E 501 Fundamentals of Biorenewable Resources. (3-0). Cr. 3.
A E 568 Pretreatment of Biomass. (1-2). Cr. 2.

Aerospace Engineering

AER E 381 Introduction to Wind Energy. (3-0). Cr. 3.
AER E 481 Advanced Wind Energy: Technology and Design. (3-0). Cr. 3. Nonmajor Graduate Credit.

Bioengineering

None

Biological Systems Engineering

BSE 218 Project Management & Design in Agricultural and Biosystems Engineering. (1-2). Cr. 2. (Cross listed with A E 218)
BSE 298 Cooperative Education. Cr. R.
BSE 325 Biorenewable Systems. (3-0). Cr. 3. (Cross listed with TSM 325)
BSE 396 Summer Internship. Cr. R. Repeatable.
BSE 397 Engineering Internship. Cr. R. Repeatable.
BSE 398 Cooperative Education. Cr. R.
BSE 403 Modeling and Controls for Agricultural Systems. (2-2). Cr. 3. (Cross listed with A E 403)
BSE 469 Grain Processing and Handling. (2-3). Cr. 3. (Cross listed with A E 469, dual listed with 569)
BSE 498 Cooperative Education. Cr. R. Repeatable.
BSE 569 Grain Processing and Handling. (2-3). Cr. 3. (Cross listed with A E 569, dual listed with 469).

Chemical Engineering

CH E 565 Professional Practices in Science and Engineering. Cr. arr.

Civil Engineering

C E 206 Economic Analysis and Professional Issues in Civil Engineering. (3-0). Cr. 3.
C E 307 Economic Analysis and Professional Issues in Civil Engineering. (3-0). Cr. 3.
C E 436 Masonry and Timber Design. (2-2). Cr. 3. Nonmajor Graduate Credit. (Dual listed with 536, existing course)
C E 467 Geomaterials Stabilization. (2-2). Cr. 3. Nonmajor Graduate Credit. (Dual listed with 56, existing course)
C E 484 Advanced Design of Concretes. (2-2). Cr. 3. Nonmajor Graduate Credit. (Dual listed with 584)
C E 515 Railroad Engineering. (3-0). Cr. 3.
C E 546 Bridge Design. (2-2). Cr. 3. (Dual listed with 446, existing course)

C E 548 Building Design. (2-2). Cr. 3. (Dual listed with 448, existing course)
C E 568 Dynamics of Soils and Foundations. (3-0). Cr. 3.
C E 584 Advanced Design of Concretes. (2-2). Cr. 3.
C E 596 Special Topics in Transportation Engineering. Cr. arr. Repeatable.
C E 650 Advanced Topics in Transportation Engineering. (3-0). Cr. 3. Repeatable.

Construction Engineering

CON E 112 Orientation to Learning and Productive Team Membership. (2-0). Cr. 2.
CON E 114 Developing Responsible Learners and Effective Leaders. (2-0). Cr. 2.
CON E 222 Contractor Organization and Management of Construction. (3-0). Cr. 3.

Computer Engineering

CPR E 131 Introduction to Computer Security Literacy. (1-0). Cr. 1. (Cross listed with INFAS 131, existing course)
CPR E 261 Transfer Orientation. Cr. R.
CPR E 388 Embedded Systems II: Mobile Platforms. (3-2). Cr. 4.
CPR E 483 Hardware Software Integration. (3-3). Cr. 4. Nonmajor Graduate Credit.
CPR E 504 Power Management/Regulation Principles for VLSI. (3-3). Cr. 4. (Cross listed with E E 504)
CPR E 506 Design of CMOS Phase-Locked Loops. (3-3). Cr. 4. (Cross listed with E E 506)
CPR E 547 Resource Allocation in Communication Networks. (3-0). Cr. 3.
CPR E 565 Professional Practices in Science and Engineering. Cr. arr. (Cross listed with AGRON, AN S, BCB, CH E, EEB, HORT, M E, MICRO, PL P, V MPM)
CPR E 584 Models and Techniques in Embedded Systems. (3-0). Cr. 3.
CPR E 586 Pervasive Computing. (3-0). Cr. 3.

Electrical Engineering

E E 188 Bio-Electrical Engineering Fundamentals Laboratory. (1-3). Cr. 2.
E E 261 Transfer Orientation. Cr. R.
E E 285 Problem Solving Methods and Tools for Electrical Engineering. (2-3). Cr. 3.
E E 325 Systems Biology for Engineering. (3-0). Cr. 3.
E E 336 Biomedical Instrumentation. (2-2). Cr. 3.
E E 504 Power Management/Regulation Principles for VLSI. (3-3). Cr. 4.
E E 506 Design of CMOS Phase-Locked Loops. (3-3). Cr. 4.
E E 571 Introduction to Convex Optimization. (3-0). Cr. 3.

Engineering Mechanics

None

Engineering Studies

None

Engineering

ENGR 110 E2020 Scholars Program Seminar. (1-0). Cr. 1.
ENGR 210 E2020 Scholars Program Seminar: Leadership Development. (1-0). Cr. 1. Repeatable term to term, maximum of 4 credits.
ENGR 327 Voices of Public Policy. (3-0). Cr. 3.

Industrial Engineering

I E 450 Technical Sales for Engineers 1. (3-0). Cr. 3.
I E 451 Technical Sales for Engineers 2. (3-0). Cr. 3.
I E 671 Research Practicum in Ergonomics. (3-0). Cr. 3. Repeatable.

Mechanical Engineering

M E 170 Engineering Graphics and Introductory Design. (2-2). Cr. 3.
M E 220 Globalization and Sustainability. (3-0). Cr. 3.
M E 389 Applied Methods in Sustainable Engineering. (3-0). Cr. 3. Repeatable, maximum of 2 times.

M E 565 Professional Practices in Science and Engineering. Cr. arr. (Cross listed with AGRON, AN S, BCB, CH E, EEB, HORT, M E, MICRO, PL P, V MPM)

Materials Science and Engineering

None

Materials Engineering

MAT E 220 Globalization and Sustainability. (3-0). Cr. 3.

MAT E 273 Principles of Materials Science and Engineering. (3-0). Cr. 3.

MAT E 389 Applied Methods in Sustainable Engineering. (3-0). Cr. 3. Repeatable, maximum of 2 times.

Nuclear Engineering

None

Software Engineering

None

IV. COURSES DROPPED:

Agricultural Engineering

A E 301 Leadership and Ethics Seminar. (1-0). Cr. 1.

A E 401 Professionalism Seminar. (1-0). Cr. 1.

A E 406 Applied Computational Intelligence for Agricultural and Biological Systems

Aerospace Engineering

None

Bioengineering

None

Biological Systems Engineering

BSE 301 Leadership and Ethics Seminar. (1-0). Cr. 1.

BSE 401 Professionalism Seminar. (1-0). Cr. 1.

Chemical Engineering

CH E 499 Undergraduate Research. (0-9). Cr. 3.

Civil Engineering

C E 205 Economic Analysis and Technical Communication in Civil Engineering. (

C E 305 Professional Issues in Civil Engineering. (3-0). Cr. 3.

C E 513 Geodetic and Satellite Surveying. (2-3). Cr. 3.

C E 550 Advanced Highway Design. (3-0). Cr. 3.

C E 554 Advanced Technology in Transportation. (3-0). Cr. 3.

C E 555 Advanced Traffic Operations. (3-0). Cr. 3.

C E 574 Environmental Impact Assessment. (3-0). Cr. 3.

C E 649 Advanced Topics in Structural Engineering. (3-0). Cr. 3.

Construction Engineering

CON E 221 Contractor Organization and Management of Construction. (4-0). Cr. 4.

Computer Engineering

CPR E 563 Modeling and Optimization of Interconnect in Deep Submicron Design.

CPR E 587 Text Mining, Text Processing, and the Internet. (3-0). Cr. 3.

CPR E 589 Multimedia Systems. (3-0). Cr. 3.

Electrical Engineering

E E 408 Interdisciplinary Problem Solving. (3-0). Cr. 3.

E E 409 Interdisciplinary Systems Effectiveness. (3-0). Cr. 3.

Engineering

ENGR 170 Engineering Graphics and Introductory Design. (2-2). Cr. 3.

Engineering Mechanics

None

Engineering Studies

None

Industrial Engineering

I E 419 Manufacturing Systems Modeling. (3-0). Cr. 3.

Mechanical Engineering

M E 330 Thermodynamics. (3-0). Cr. 3.

M E 549 Vehicle Dynamics. (3-0). Cr. 3.

M E 636 Conduction Heat Transfer. (3-0). Cr. 3.

M E 639 Two-Phase Flow and Heat Transfer. (3-0). Cr. 3.

Materials Engineering

MAT E 272 Principles of Materials Science and Engineering. (2-0). Cr. 2.

MAT E 442 Polymers and Polymer Engineering. (3-0). Cr. 3.

Materials Science & Engineering

M S E 555 Advanced Polymer Materials. (3-0). Cr. 3.

M S E 652 Transmission Electron Microscopy. (3-3). Cr. 4.

Nuclear Engineering

None

Software Engineering

None

V. NUMBER, CREDIT, AND TITLE CHANGES:**Agricultural Engineering**

A E 201 Title to: Preparing for Workplace Seminar.

A E 506 Title to: Applied Computational Intelligence.

Aerospace Engineering

AER E 101H Contact Hrs to: (1-0). Credit Hrs to: Cr. 1.

AER E 321 Title to: Flight Structures Analysis. Contact Hrs to: (3-0).

Biological Systems Engineering

BSE 201 Title to: Preparing for Workplace Seminar.

Chemical Engineering

CH E 391 Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.

CH E 447 Number changed from: 442.

CH E 490 Title to: Undergraduate Research/Independent Study.

CH E 590 Title to: Independent Study.

Civil Engineering

C E 355 Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.

C E 448 Number changed from: 447.

C E 453 Contact Hrs to: (2-2). Credit Hrs to: Cr. 3.

Construction Engineering

CON E 322 Contact Hrs to: (2-2).

CON E 340 Contact Hrs to: (2-2).

CON E 487 Contact Hrs to: (2-2). Credit Hrs to: Cr. 3.

Computer Engineering

CPR E 507 Contact Hrs to: (3-3). Credit Hrs to: Cr. 4.

CPR E 535 Title to: Steganography and Digital Image Forensics.

CPR E 546 Title to: Wireless Sensor and Networks.

Electrical Engineering

E E 507 Contact Hrs to: (3-3). Credit Hrs to: Cr. 4.

Engineering Mechanics

E M 516 Title to: Applied Elasticity and Mechanics of Deformable Solids.

Engineering Studies

E ST 260 Contact Hrs to: (3-0).

E ST 270 Contact Hrs to: (3-0).

Materials Engineering

MAT E 216 Contact Hrs to: (3-2).

MAT E 418 Contact Hrs to: (3-0).

Mechanical Engineering

M E 370 Title to: Engineering Measurements.

M E 421 Title to: System Dynamics and Control.

VI. COURSES ADDED FOR NONMAJOR GRADUATE CREDIT

AER E 481

C E 436

C E 467

C E 484

CPR E 483

VII. COURSES DROPPED FOR NONMAJOR GRADUATE CREDIT

E E 408

E E 409

I E 419

MAT E 442

VIII. SUMMARY OF CHANGES:

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

Summary of Changes					
Department	New	Dropped	Number	Credit	Title

A E	3	3	0	0	2
AER E	2	0	0	1	1
BIOE	0	0	0	0	0
BSE	4	2	0	0	1
C E	7	8	2	2	0
CHE	1	1	2	1	2
CON E	3	1	0	1	0
CPR E	7	3	0	1	2
E E	8	2	0	1	0
E M	0	0	0	0	1
E ST	0	0	0	0	0
ENGR	3	1	0	0	0
I E	3	1	0	0	0
M E	3	4	0	0	2
M S E	0	2	0	0	0
MAT E	3	2	0	0	0
NUC E	0	0	0	0	0
S E	0	0	0	0	0
Total College of Engineering	47	30	4	7	11

XV. Changes since Proposed Departmental Changes for General Review

XVI. JUSTIFICATION FOR NEW COURSES

See companion Excel spreadsheet.

Summary Table										
Department / Program Name	Designator and Course Number	Nonmajor graduate credit		Required in Program		Experimental Offering				Justification for: •courses offered experimentally •not required in a program
		No	Yes	No	Yes	No	Term	Year	Enroll.	
<u>Agricultural Engineering</u>										
	A E 218				x					
	A E 501									New cross listing with BRT 501, an existing course
	A E 568						Sp	09	6	New faculty
<u>Aerospace Engineering</u>										
	AER E 381						Sp	10		New area of intensive research and interest
	AER E 481		x				F	10		New area of intensive research and interest
<u>Biological Systems Engineering</u>										
	BSE 218									Cross list with A E 218, new course added to A E program
	BSE 298					x				Adding cooperative education course to BSE
	BSE 325									Cross list with TSM 325, an existing course
	BSE 396									Adding summer internship to BSE
	BSE 397									Adding engineering internship to BSE
	BSE 403									Cross list with A E 403, an existing course
	BSE 469									Cross list with A E. 469, an existing course and dual list 469/569
	BSE 498									Adding cooperative education course to BSE, work study registration required
	BSE 569									Cross list with A E 569, dual list

										469/569
Chemical Engineering										
	CH E 565									Cross listed with AGRON, AN S, BCB, CPR E, EEB, HORT, M E, MICRO, PL P, V MPM
Civil Engineering										
	C E 206									x
	C E 307									x
	C E 436									x
	C E 467									x
	C E 484									
	C E 515									
	C E 546									
	C E 548									
	C E 568								F	08 14
	C E 584								F	09 15
	C E 596									
	C E 650									
Construction Engineering										
	Con E 112									
	Con E 114									
	Con E 222									x
Computer Engineering										

	Cpr E 131									Cross listed with INFAS 131, an existing course
	Cpr E 261						F	09	14	Transfer orientation course
	Cpr E 388						Sp	09	11	Revises the embedded systems course sequence so that our curriculum is more in line with IEEE-CS/ACM task force CCCE curriculum
	Cpr E 483									Reinstating course deleted from 09-11 catalog
	Cpr E 504									To meet a growing demand in semiconductor industries for expertise in the area of power management/regulation design for VLSI. Cross listed with E E 504
	Cpr E 506									Adds material integral to many systems from television to high speed wireless and wired communication systems. Given the widespread use of these circuits provides ISU students the opportunity to study the analysis, design, and implementation of such circuits. Cross listed with E E 506
	Cpr E 547						F	09	8	To introduce the optimization-based approach to developing protocol-suites for wireless networks, and the concept of layering as optimization decomposition
	Cpr E 565									Professional practices in Science and Engineering. Cross listed with AGRON, AN S, BCB, CH E, EEB, HORT, M E, MICRO, PL P, V MPM
	Cpr E 584									Provides advanced embedded system design and optimization for those interested in system-level design. Concurrent with 588.

	Cpr E 586									Pervasive computing represents the next major revolutionary step along the line of work of traditional computing, distributed computing and mobile corks. Many traditional areas of computer science and engineering are impacted by the constraints and demands of pervasive computing, including networks.
Electrical Engineering										
	E E 188						F	09	29	Provide fundamental laboratory based course to lay foundation for more advanced courses being taught in department
	E E 261									Transfer orientation course
	E E 285									Combined course to cover 185 & 186 for transfer students
	E E 325									Cross listed with BIOE
	E E 336									Provide basic course on design of circuits and systems in bioinstrumentation
	E E 504						F	09	13	To meet a growing demand in semiconductor industries for expertise in the area of power management/regulation design for VLSI. Cross listed with CPR E 504
	E E 506									Adds material integral to many systems from television to high speed wireless and wired communication systems. Given the widespread use of these circuits provides ISU students the opportunity to study the analysis, design, and implementation of such circuits. Cross listed with CPR E 506
	E E 571									Taught previously under 'special topics' and provides discipline specific optimization knowledge to students.
Engineering										

	Engr 110									E2020 Scholars Program
	Engr 210									E2020 Scholars Program
	Engr 327					F	09	17		E2020 Scholars Program
Industrial Engineering										
	I E 450					F	09	30		Added for Engineering Sales minor
	I E 451					Sp	09	7		Added for Engineering Sales minor
	I E 671					Sp	09	13		Research practicum in ergonomics
Mechanical Engineering										
	M E 170				x					
	M E 220									Cross listed for Sustainability Minor
	M E 389					Su	09	8		Cross listed with Mat E, summer study-abroad course in Mali, Africa
	M E 565									Professional practices in Science and Engineering. Cross listed with AGRON, AN S, BCB, CH E, CPR E, EEB, HORT, MICRO, PL P, V MPM
Materials Engineering										
	Mat E 220									Cross listed for Sustainability Minor
	Mat E 273				x	Sp	07	10		Replaces Mat E 272; required in AER E, IE, ME, and A E
	Mat E 389					Su	09	1		Cross listed with ME, summer study-abroad course in Mali, Africa

College of Human Sciences

2011-2012

I. SIGNIFICANT TRENDS:

The most significant trends in the college have been the addition of a new undergraduate major and minor in Event Management offered by the Department of Apparel, Educational Studies, and Hospitality Management. While most courses supporting the major and minor were in existence, a change in focus was implemented for two courses and one new course was added. Three new minors were added by the Department of Kinesiology to allow majors in the department opportunities to get supplemental training in specific areas of interest (Health Promotion and Exercise Science). An additional minor (Kinesiology) was added for non-majors. These new minors complement the existing minors of Dance, Athletic Coaching and Sport and Culture which provides students with a variety of ways to create a customized learning experience.

The Educational Leadership and Policy Studies Department introduced three new graduate certificates: Research Methods in Human Sciences and Certificate in Student Affairs, and Certificate in Social Justice. The Department of Food Science and Human Nutrition also added a Dietetics Internship Certificate.

II. CURRICULA, MAJORS, MINORS ADDED OR DROPPED:

Majors Added:

Event Management

Minors Added:

Event Management Minor

Kinesiology Minor

Health Promotions Minor

Exercise Science Minor

Certificates Added:

Student Affairs Certificate

Certificate in Applied Research Methods in Human Sciences

Certificate in Instructional Design

Dietetics Internship Certificate

Majors, Minors, Certificates Dropped:

None

III. NEW COURSES:

Apparel, Education Studies, and Hospitality Management

AESHM 170 Supervised Work Experience I. Cr. 1. Repeatable, maximum of 2 times.

AESHM 270 Supervised Work Experience II. Cr. 1-2. Repeatable, maximum of 2 times.

AESHM 280 Orientation to U.S. Field Study. Cr. 1. Repeatable, maximum of 2 times.

AESHM 281 Orientation to International Field Study. Cr. 1. Repeatable, maximum of 2 times.

AESHM 371 Conference and Meeting Planning. (2-2). Cr. 1-3. Repeatable, maximum of 2 times.

AESHM 380 U.S. Field Study. Cr. 1-3. Repeatable, maximum of 2 times.

AESHM 381 International Field Study. Cr. 1-3. Repeatable, maximum of 2 times.

AESHM 398 Cooperative Education. Cr. R. Repeatable.

AESHM 411 Seminar on Current Issues. Cr. 1-3. Repeatable, maximum of 2 times.

AESHM 470 Supervised Professional Internship. Cr. 3-6. Repeatable.

AESHM 498 Cooperative Education. Cr. R. Repeatable.

AESHM 510 Research Methods in Apparel and Hospitality. Cr. 3.

AESHM 511 Seminar. Cr. 1-3. Repeatable, maximum of 6 times.

AESHM 570 Practicum. Cr. 1-3. Repeatable, maximum of 2 times.

AESHM 580 U.S. Field Study. Cr. 1-3. Repeatable, maximum of 2 times.

AESHM 581 International Field Study. Cr. 1-3. Repeatable, maximum of 2 times.

AESHM 611 Seminar. Cr. 1-3. Repeatable.
AESHM 670 Teaching Practicum. Cr. 1-3. Repeatable.

Curriculum and Instruction

C I 216 Learning Community Orientation to Teacher Education. (1-0). Cr. 1.
C I 454 Emerging Topics in Digital Learning. (2-2). Cr. 1-3. Repeatable term to term, maximum of 6 credits.
C I 480M Field Experience for Secondary Teaching Preparation. Sec. M – Middle School. Cr. 0.5-2. Repeatable, Max 2 times.
C I 555 Literacy, Leadership, and Advocacy. (3-0). Cr. 3.
C I 591M Supervised Field Experience. Sec. M – Literacy. (0-2) Cr. 1-6.
C I 591 G Supervised Field Experience. Sec. G – Mathematics Education. (0-2) Cr. 1-6.

Diet

DIET 599 Creative Component. Cr. arr. Repeatable.

Educational Administration

EDADM 620 Program Induction Leadership Seminar. (3-0). Cr. 3.
EDADM 621 Aligning the System for Student Achievement. (5-0). Cr. 5.
EDADM 622 Maximizing Human and Financial Resources for Student Achievement. (3-0). Cr. 3.
EDADM 623 Mid-Program Leadership Seminar. (1-0). Cr. 1.
EDADM 624 School Finance. (2-0). Cr. 2.
EDADM 631 Achieving Results Through Accountability Strategies. (5-0). Cr. 5.
EDADM 632 Using System Assets to Create a Culture of Learning. (3-0). Cr. 3.
EDADM 633 Career Induction Leadership Seminar. (1-0). Cr. 1.
EDADM 634 School Business Management and Accountability. (2-0). Cr. 2.

Educational Leadership and Policy Studies

EL PS 620 Social Justice Theory, Research, and Practice. (3-0). Cr. 3.
EL PS 621 Pedagogies of Dissent: Radical Theories of Education, Social Justice, and Economic Democracy. (3-0). Cr. 3.
EL PS 622 Decolonizing Praxis: Anti/post-colonial Theory, Research and Practice. (3-0). Cr. 3.
EL PS 623 Social Justice Field Experience. (3-0). Cr. 3.
EL PS 624 Critical Race Theory in Higher Education. Cr. 1-3.
EL PS 625 Sexual Orientation Issues in Higher Education. Cr. 1-3.
EL PS 626 Social Justice and Social Change in Higher Education. (3-0). Cr. 3.

Food Science and Human Nutrition

FS HN 115 Food Preparation Laboratory. (0-3). Cr. 1.
FS HN 215 Advanced Food Preparation Laboratory. (0-6). Cr. 2.
FS HN 242 Societal Impacts on Food Systems. (3-0). Cr. 3.
FS HN 262 Special Topics in Health Professions. (1-0). Cr. 1.
FS HN 264 Fundamentals of Nutritional Biochemistry and Metabolism. (3-0). Cr. 3.
FS HN 311L Food Chemistry Laboratory. (0-3). Cr. 1. Non-major Graduate Credit.
FS HN 364 Nutrition and Prevention of Chronic Disease. (3-0). Cr. 3.
FS HN 365 Obesity and Weight Management. (3-0). Cr. 3.
FS HN 366 Communicating Nutrition Messages. (2-0). Cr. 2.
FS HN 467 Molecular Basis of Nutrition in Disease Prevention. (3-0). Cr. 3.
FS HN 469 Nutrition and Aging. (3-0). Cr. 3.
FS HN 494 Service Learning for Human Nutrition. (1-0). Cr. 1.
FS HN 495 Practicum. (1-3). Cr. 2.
FS HN 554 Dietetic Internship I. (0-22). Cr. 5.

FS HN 555 Dietetic Internship II. (0-18). Cr. 4.
FS HN 556 Dietetic Internship III. (0-22). Cr. 5.
FS HN 682 Seminar Reflection. Cr. R.

Human Development and Family Studies

HD FS 224 Development in Young Children: Birth to Age 8. (3-1). Cr. 3.
HD FS 234 Young Adulthood and Midlife Development. (3-0). Cr. 3.
HD FS 342 Guidance and Group Management. (2-2). Cr. 3.

Hotel Restaurant and Institution Management

HRI 505 Hospitality Management Scholarship and Applications. (0-1). Cr. 1.
HRI 506 Current Issues in Hospitality Management. (0-1). Cr. 1. Repeatable.

Kinesiology

KIN 399 Sport, Recreation and Tourism. (3-0) Cr. 3.
KIN 455 Research Topics in Biomechanics. (3-0) Cr. 3.
KIN 467 Exercise Psychology: Clinical Applications & Interventions. (3-0) Cr. 3.
KIN 481 Biomechanics Lab. (0-2) Cr. 1.
KIN 482 Exercise Physiology Lab. (0-2) Cr. 1.
KIN 483 Exercise Psychology Lab. (0-2) Cr. 1.
KIN 484 Motor Control Lab. (0-2) Cr. 1.
KIN 592 Practicum in College Teaching. Cr. 1-3. Repeatable term to term,
maximum of 3 credits.

Research and Evaluation

RESEV 620 College Access in Policy, Practice, and Research. (4-0). Cr. 1-3.
RESEV 681 Analytical Approaches in Qualitative Inquiry. (3-0). Cr. 3.

Textiles and Clothing

T C 554 History of European and North American Dress. (3-0). Cr. 3.
T C 599 Creative Component. Cr. arr.

IV. COURSES DROPPED:

Apparel Education Studies and Hospitality Management

AESHM 424 International Study Abroad Seminar. Cr. 1-3.

Curriculum and Instruction

C I 115 First Year Orientation. Cr. R.

Educational Administration

EDADM 601 Planning Systems, Operations and School Environments. (3-0). Cr. 3.
EDADM 602 Human Resource Development and Negotiations. (3-0). Cr. 3.
EDADM 603 Personnel Evaluation and System Assessment Practices. (3-0). Cr. 3.
EDADM 604 Theories of Leadership. (3-0). Cr. 3.
EDADM 605 Current Practices of the Superintendency. (3-0). Cr. 3.
EDADM 606 The Administration of Technology Systems. (3-0). Cr. 3.
EDADM 607 Advanced Education Law. (3-0). Cr. 3.
EDADM 608 Administrative Problems. (3-0). Cr. 3.
EDADM 609 Instructional Management. (3-0). Cr. 3.
EDADM 611 Superintendent/Board Relations. (3-0). Cr. 3.
EDADM 612 School Finance and Business Management. (3-0). Cr. 3.

Family and Consumer Sciences Education and Studies

FCEDS 110 Orientation. (1-0). Cr. 0.5-1.
FCEDS 214 Electronic Learning Portfolios. (0-2). Cr. 1.

FCEDS 280 Pre-Student Teaching Experience in Family and Consumer Sciences Education. (0-2) Cr. 1-2.
FCEDS 403 Learner Assessment for Family and Consumer Sciences Programs. (2-2) Cr. 3.
FCEDS 415 Program Planning and Evaluation in Family and Consumer Sciences. (3-0) Cr. 3.
FCEDS 418 Supervised Experiences in a Professional Setting. Cr. 3-8.
FCEDS 460 Capstone Seminar. (1-0). Cr. 1.
FCEDS 501 Trends, Issues and Public Policy. (3-0). Cr. 3.
FCEDS 506 Curriculum Development in Family and Consumer Sciences. (3-0). Cr. 3.
FCEDS 519 Reflective Human Action Leadership. (2-0). Cr. 2.
FCEDS 520 Supervision in Family and Consumer Sciences Programs. (3-0). Cr. 3.
FCEDS 524 International Study Abroad Seminar. Cr. 1-3.
FCEDS 579 Educational and Critical Science Perspectives of Family and Consumer Issues (3-0) Cr. 3.
FCEDS 601 Advanced Philosophical Critique of Professional Issues. (3-0). Cr. 3.
FCEDS 607 Curriculum Theory and Philosophy in Family and Consumer Sciences. (3-0) Cr. 3.
FCEDS 618 Coordination of Educational Programs in Family and Consumer Sciences. (2-0) Cr. 2.
FCEDS 626 Advanced Research Methods in Family and Consumer Sciences. (3-0). Cr. 3.

Food Science and Human Nutrition

FS HN 272 Basic Principles of Food Processing. (1-6). Cr. 3.
FS HN 298 Cooperative Education. Cr. R.
FS HN 398 Cooperative Education. Cr. R.
FS HN 441 Dietetics Management. (1-9). Cr. 5.
FS HN 442 Medical Dietetics I. (3-15). Cr. 8.
FS HN 443 Medical Dietetics II. (1-9). Cr. 5.
FS HN 445 Experience in Community Dietetics. (1-6). Cr. 3.
FS HN 446 Experience in Dietetics. (2-0). Cr. 2.
FS HN 448 Professional Development Assessment. (1-0). Cr. 1.
FS HN 498 Cooperative Education. Cr. R.
FS HN 543 Medical Dietetics II. (1-6). Cr. 3.
FS HN 548 Professional Development Assessment. (1-0). Cr. 1.
FS HN 567 Nutrition for Dietitians. (3-0). Cr. 3.
FS HN 595 Grant Proposal Writing for the Working Professional. (1-0). Cr. 1.

Human Development and Family Studies

HD FS 220 Development and Guidance: Ages Birth through 2 Years. (2-2). Cr. 3.
HD FS 221 Development and Guidance: Ages 3 through 8 Years. (3-1). Cr. 3.
HD FS 223 Development and guidance Ages Birth through 8 Years. (3-0). Cr. 3.
HD FS 380 Family Law. (3-0). Cr. 3.
HD FS 547 Parent-Child Relations. (3-0). Cr. 3.

Higher Education

HG ED 420 Introduction to Vocational Technical Teaching at Community Colleges. (3-0) Cr. 3.
HG ED 421 Vocational Technical Teaching Methods at Community Colleges. (3-0) Cr. 3.
HG ED 422 Vocational Technical Curriculum at Community Colleges. (3-0). Cr. 3.
HG ED 423 Vocational Technical Assessment at Community Colleges. (3-0). Cr. 3.
HG ED 522 Vocational Technical Curriculum at Community Colleges. (3-0). Cr. 3.
HG ED 523 Vocational Technical Assessment at Community College. (3-0). Cr. 3.

Hotel Restaurant and Institution Management

HRI 193 Hospitality Work Experience I. Cr. R.
HRI 381 International Study in Hospitality. Cr. 1-3.
HRI 382 Field Study. Cr. 1-3.
HRI 393 Hospitality Work Experience II. Cr. 2.
HRI 504 Seminar. (0-1). Cr. 1.
HRI 511 Research Methods in Foodservice & Lodging Management. (3-0). Cr. 3.

Kinesiology

KIN 119 Archery. (0-2). Cr. 1.
KIN 162 Triathlon Training. (0-3). Cr. 1.
KIN 237 Fundamentals of Self-Defense. (0-3). Cr. 1.

Research and Evaluation

RESEV 560 Assessing Student Learning. (3-0). Cr. 3.

Special Education

SP ED 415 Supervised Student Teaching. Cr. arr.

Textiles and Clothing

T C 380 Field Study. Cr. arr.
T C 381 International Field Study. Cr. arr.
T C 398 Cooperative Education. Cr. R.
T C 470 Supervised Experience. Cr. 3-6.
T C 498 Cooperative Education. Cr. R.
T C 562 Dress and Culture. (3-0). Cr. 3.
T C 570 Practicum in Textiles and Clothing. Cr. arr.
T C 581 International Study. Cr. arr.
T C 610 Philosophical Issues of Textiles and Clothing Scholarship. (3-0). Cr. 3.
T C 675 Research in Merchandising. (3-0). Cr. 3.

V. NUMBER, CREDIT, AND TITLE CHANGES:

Apparel, Education Studies, and Hospitality Management

AESHM 271 Title to: Public Relations and Event Management.
AESHM 342 Title to: Aesthetics of Consumer Experience.
AESHM 377 Designator changed from: T C.
AESHM 471 Title to: Special Events Coordination.

Curriculum and Instruction

C I 215 Credit Hrs to: Cr. 1.
C I 219 Credit Hrs to: Cr. 1.
C I 402 Title to: Middle School Design, Curriculum, Instruction, and Assessment.

Educational Administration

EDADM 691 Title to: Clinical Dilemmas of Practice.

Family and Consumer Sciences Education and Studies

FCEDS 306 Credit Hrs to: Cr. 4.
FCEDS 318 Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.

Food Science and Human Nutrition

FS HN 111 Contact Hrs to: (2-0). Credit Hrs to: Cr. 2.
FS HN 214 Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.
FS HN 311 Contact Hrs to: (3-0). Credit Hrs to: Cr. 3.
FS HN 429 Contact Hrs to: (2-0).
FS HN 464 Credit Hrs to: Cr. 3.
FS HN 529 Contact Hrs to: (2-0).
FS HN 610 Title to: Food & Bioprocessing Enzymology.

Human Development and Family Studies

HD FS 491 Credit Hrs to: Cr. 4-9.
HD FS 556 Title to: Families and Disability Across the Lifespan.
HD FS 571 Title to: Couple Therapy and Assessment.

HD FS 573 Title to: Ethics and Professional Studies in Couple and Family Therapy.

HD FS 578 Title to: Models of Couple and Family Therapy.

HD FS 582 Title to: Contemporary Issues in Couple and Family Therapy.

HD FS 587 Title to: Diversity Issues in Couple and Family Therapy.

Hotel Restaurant & Institution Management

HRI 383 Title to: Introduction to Wine, Beer, and Spirits.

HRI 533 Title to: Financial Decision Making in Hospitality Organizations.

HRI 538 Title to: Human Resources Development in Hospitality Organizations.

HRI 540 Title to: Strategic Marketing.

HRI 555 Title to: Strategic Management in Hospitality Organizations.

HRI 638 Title to: Advanced Human Resources Management in Hospitality Organizations.

Kinesiology

KIN 252 Contact Hrs to: (1-0). Credit Hrs to: Cr. 1.

KIN 355 Contact Hrs to: (3-0).

KIN 358 Contact Hrs to: (3-0).

KIN 372 Contact Hrs to: (3-0).

KIN 561 Title to: Motor Development and Physical Activity.

Research and Evaluation

RESEV 580 Title to: Introduction to Qualitative Research Methodology.

RESEV 680 Title to: Critical Issues in Qualitative Inquiry.

Special Education

SP ED 334 Number changed from: 457.

SP ED 401 Number changed from: 450. Title to: Teaching Secondary Students with Exceptionalities in General Education.

SP ED 459 Title to: Field Experience - Students with Mild/Moderate Disabilities.

SP ED 460 Title to: Special Education Seminar.

SP ED 464 Number changed from: 339.

SP ED 511 Title to: Foundations of Behavior Disorders and Learning Disabilities.

SP ED 520 Title to: Evidence-based Practices for Mild/Moderate Disabilities.

SP ED 553 Title to: Teaching Struggling Adolescent Readers.

SP ED 560 Title to: Classroom Management/Behavior Support.

SP ED 570 Title to: Systems-Level Supports for Youth with Behavior and Learning Disabilities.

Textiles and Clothing

T C 204 Title to: Textile Science.

T C 210 Credit Hrs to: Cr. 2.

T C 301 Credit Hrs to: Cr. 0.5.

T C 326 Contact Hrs to: (1-5).

T C 362 Title to: Cultural Perspectives of Dress.

T C 376 Contact Hrs to: (3-2). Credit Hrs to: Cr. 4.

T C 404 Title to: Textile Color Theory.

T C 504 Title to: Textile Color Theory.

T C 550 Number changed from: 650.

VI. COURSES ADDED FOR NONMAJOR GRADUATE CREDIT

FS HN 311L Food Chemistry Laboratory. (0-3) Cr. 3.

KIN 360 Sociology of Sport and Exercise. (3-0) Cr. 3.

KIN 365 Sport Psychology. (3-0) Cr. 3.

KIN 366 Exercise Psychology. (3-0) Cr. 3.
 KIN 372 Motor Control and Learning Across the Lifespan. (3-0) Cr. 3.
 KIN 462 Medical Aspects of Exercise. (3-0) Cr. 3.

VII. COURSES DROPPED FOR NONMAJOR GRADUATE CREDIT

FCEDS 415

VIII. SUMMARY OF CHANGES:

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

Summary of Changes					
Department	New	Dropped	Number	Credit	Title
AESHM	18	1	0	0	3
ATH	0	0	0	0	0
C I	6	1	0	2	1
DANCE	0	0	0	0	0
DIET	1	0	0	0	0
EDADM	9	11	0	0	1
EL PS	7	0	0	0	0
FCEDS	0	17	0	2	0
FFP	0	0	0	0	0
FS HN	17	14	0	4	1
H P C	0	0	0	0	0
H S	0	0	0	0	0
H SCI	0	0	0	0	0
HD FS	3	5	0	1	6
HG ED	0	6	0	0	0
HRI	2	6	0	0	6
KIN	8	3	0	1	1
OLHRD	0	0	0	0	0
RESEV	2	1	0	0	2
SP ED	0	1	6	0	8
T C	2	10	2	3	4
Total College of Human Sciences	75	76	8	13	33

XVII. Changes since Proposed Departmental Changes for General Review

XVIII. JUSTIFICATION FOR NEW COURSES

See attached matrix.

Process:

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

December: Final approval by the Faculty Senate.

Summary Table

Department Name	Designator and Course Number	Nonmajor graduate credit		Required in Program		Experimental Offering			Justification for: •courses offered experimentally •not required in a program	
		No	Yes	No	Yes	No	Term	Year		Enroll.
Apparel, Educational Studies, and Hospitality Management	AESHM 170	X			X	X				Required by the majors in Hospitality Management. Change of course designator from HRI 170 to include all AESHM students.
Apparel, Educational Studies, and Hospitality Management	AESHM 270	X			X	X				Required by the majors in Hospitality Management. Change of course designator from HRI 170 to include all AESHM students.
Apparel, Educational Studies, and Hospitality Management	AESHM 280	X			X	X				Change of designator from HRI 382. Required by program.
Apparel, Educational Studies, and Hospitality Management	AESHM 281	X		X		X				Change designator and number to include all AESHM students
Apparel, Educational Studies, and Hospitality Management	AESHM 371	X			X	X				Required in program
Apparel, Educational Studies, and Hospitality Management	AESHM 380	X			X	X				Change of designator and number from TC 380 to include all AESHM students. Either AESHM 380 or 381 is required by AMD majors
Apparel, Educational Studies, and Hospitality Management	AESHM 381	X			X	X				Change of designator and number from TC 381 to include all AESHM students. Either AESHM 380 or 381 is required by AMD majors
Apparel, Educational Studies, and Hospitality Management	AESHM 398	X			X	X				Required by all cooperative education students

Apparel, Educational Studies, and Hospitality Management	AESHM 411	X		X		X				Seminar course for undergraduate students, topics to be determined
	AESHM 470	X			X	X				Required by programs in AESHM
	AESHM 498	X			X	X				Required by programs in AESHM
Apparel, Educational Studies, and Hospitality Management	AESHM 510	X			X	X				Required in master's programs
Apparel, Educational Studies, and Hospitality Management	AESHM 511	X		X		X				Seminar course for master's students, topics to be determined
Apparel, Educational Studies, and Hospitality Management	AESHM 570	X			X	X				Change of designator from TC to include all AESHM majors
Apparel, Educational Studies, and Hospitality Management	AESHM 580	X		X		X				Dual-listed with AESHM 380; for graduate students.
Apparel, Educational Studies, and Hospitality Management	AESHM 581	X		X		X				Dual-listed with AESHM 381; for graduate students.
Apparel, Educational Studies, and Hospitality Management	AESHM 611	X		X		X				Seminar course for doctoral students, topics to be determined as need develops
Apparel, Educational Studies, and Hospitality Management	AESHM 670			X		X				Change designator from HRI and number to include all AESHM students
Apparel, Educational Studies, and Hospitality Management	TC 554	X		X		X				Dual-listed with TC 354; for graduate students.
Apparel, Educational Studies, and Hospitality Management	TC 599	X			X	X				Required for master's students who do non-thesis "creative" component.
Apparel, Educational Studies, and Hospitality Management	HRI 505	X		X		X				Convert from formerly non-conforming catalog format of HRI 504A

Apparel, Educational Studies, and Hospitality Management	HRI 506	X		X		X				Convert from formerly non-conforming catalog format of HRI 504B
Curriculum & Instruction	CI 216	X			X	X	F F	2008 2009	74 88	Learning Community
Curriculum & Instruction	CI 454	X		X		X				Required for students in the Digital Learning Minor
Curriculum & Instruction	CI 480M	X		X		X				Field experience for Middle School endorsement
Curriculum & Instruction	CI 555	X			X		F	2009	7	Literacy course for graduate students
Curriculum & Instruction	CI 591M	X			X	X				Field experience for Literacy
Curriculum & Instruction	CI 591G	X			X	X				Field experience for Mathematics
Educational Leadership & Policy Studies	Ed Adm 620	X			X		SS1 SS1 SS1	2007 2008 2009	13 8 8	Required for students in "Certificate of Advanced Study" (Superintendent licensure)
Educational Leadership & Policy Studies	Ed Adm 621	X			X		F F F	2007 2008 2009	13 6 7	Required for students in "Certificate of Advanced Study" (Superintend licensure)
Educational Leadership & Policy Studies	Ed Adm 622	X			X		Sp Sp	2008 2009	13 8	Required for students in "Certificate of Advanced Study" (Superintend licensure)
Educational Leadership & Policy Studies	Ed Adm 623	X			X		SS1 SS1	2008 2009	12 6	Required for students in "Certificate of Advanced Study" (Superintend licensure)
Educational Leadership & Policy Studies	Ed Adm 624	X			X		SS1 SS1	2008 2009	11 9	Required for students in "Certificate of Advanced Study" (Superintend licensure)
Educational Leadership & Policy Studies	Ed Adm 631	X			X		F F	2008 2009	12 7	Required for students in "Certificate of Advanced Study" (Superintend licensure)
Educational Leadership & Policy Studies	Ed Adm 632	X			X		Sp	2009	11	Required for students in "Certificate of Advanced Study" (Superintend licensure)
Educational Leadership & Policy Studies	Ed Adm 633	X			X		SS1	2009	11	Required for students in "Certificate of Advanced Study" (Superintend licensure)
Educational Leadership & Policy Studies	Ed Adm 634	X			X		SS1	2009	11	Required for students in "Certificate of Advanced Study" (Superintend licensure)

Educational Leadership & Policy Studies	ELPS 620	X			X	X				Required for students in Social Justice Certificate
Educational Leadership & Policy Studies	ELPS 621	X			X	X				Required for students in Social Justice Certificate
Educational Leadership & Policy Studies	ELPS 622	X			X	X				Required for students in Social Justice Certificate
Educational Leadership & Policy Studies	ELPS 623	X			X	X				Required for students in Social Justice Certificate
Educational Leadership & Policy Studies	ELPS 624	X			X	X				Required for students in Social Justice Certificate
Educational Leadership & Policy Studies	ELPS 625	X			X	X				Required for students in Social Justice Certificate
Educational Leadership & Policy Studies	ELPS 626	X			X	X				Required for students in Social Justice Certificate
Educational Leadership & Policy Studies	RES EV 620	X			X	X				Required for students in Applied Research Methods in Human Sciences Certificate
Educational Leadership & Policy Studies	RES EV 681	X			X	X				Required for students in Applied Research Methods in Human Sciences Certificate
Food Science & Human Nutrition	FSHN 115	X			X	X				FSHN faculty voted in favor; course offering approved
Food Science & Human Nutrition	FSHN 215	X			X	X				Separation of lecture and lab (used to be 5 credit FSHN 214); now 115 (1 cr) and 214 (2 cr) labs
Food Science & Human Nutrition	FSHN 242	X			X		Sp	2011	Unknown	Nutrition & Wellness option in Nutritional Science requires this course; "select from" in Pre-Health Professional & Research option in Nutritional Science
Food Science & Human Nutrition	FSHN 262	X			X	X				Pre-Health Professional & Research option in Nutritional Science requires this course
Food Science & Human Nutrition	FSHN 264	X			X	X				Nutrition & Wellness option in Nutritional Science requires this course

Food Science & Human Nutrition	FSHN 311 L		X		X	X				Separation of lecture and lab (used to be 4 credit FSHN 311)
Food Science & Human Nutrition	FSHN 364	X			X	X				Nutrition & Wellness option in Nutritional Science requires this course
Food Science & Human Nutrition	FSHN 365	X			X	X				Nutrition & Wellness option in Nutritional Science requires this course; "select from" in Pre-Health Professional & Research option in Nutritional Science
Food Science & Human Nutrition	FSHN 366	X			X	X				Nutrition & Wellness option in Nutritional Science requires this course
Food Science & Human Nutrition	FSHN 467	X			X	X				Pre-Health Professional & Research option in Nutritional Science requires this course
Food Science & Human Nutrition	FSHN 469/Geron 469/ NutrS 569	X		X			Sp	2011	Unknown	Select from 9 credits for Pre-Health Professional & Research option in Nutritional Science
Food Science & Human Nutrition	FSHN 494	X		X			Sp	2010	10	Service learning in FSHN
Food Science & Human Nutrition	FSHN 495	X			X	X				Nutrition & Wellness option in Nutritional Science requires this course
Food Science & Human Nutrition	FSHN 554	X			X	X		X		FSHN 554, 555, 556 were formerly FSHN 441-448 (6 courses) that have been dropped
Food Science & Human Nutrition	FSHN 555	X			X	X		X		FSHN 554, 555, 556 were formerly FSHN 441-448 (6 courses) that have been dropped
Food Science & Human Nutrition	FSHN 556	X			X	X		X		FSHN 554, 555, 556 were formerly FSHN 441-448 (6 courses) that have been dropped
Food Science & Human Nutrition	FSHN 682	X			X		F	2009	50	Reflection portion of FSHN graduate seminar, FSHN 681
Food Science & Human Nutrition	Diet 599	X			X	X				Research credit required
Human Development & Family Studies	HD FS 224	X			X	X				This course is required for ECE and CHFS majors, Child Option

Human Development & Family Studies	HD FS 234	X			X	X				This course is required for ECE and CHFS majors, Child Option
Human Development & Family Studies	HD FS 342	X			X	X				This course is required for CHFS, Adult and Family Option
Kinesiology	KIN 399		X		X	X				This course is a combination of KIN 342 and 442 both previously offered
Kinesiology	KIN 455		X		X	X				Required by the Pre-Health Professionals option as a choice from a list
Kinesiology	KIN 467		X		X	X				Required by the Pre-Health Professionals option as a choice from a list
Kinesiology	KIN 481		X		X	X				Splitting lab from lecture in previously offered KIN 355
Kinesiology	KIN 482		X		X	X				Splitting lab from lecture in previously offered KIN 358
Kinesiology	KIN 483		X		X	X				Adding a lab to the lecture in previously offered KIN 366 and now is KIN 467
Kinesiology	KIN 484		X		X	X				Splitting lab from lecture in previously offered KIN 372
Kinesiology	KIN 592	X			X	X				Supervised experience

Iowa State University
College of Liberal Arts and Sciences
2011-2012
Curriculum Report and Catalog Revisions
12 November 2010

Prepared by
LAS Curriculum Committee

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College of Liberal Arts and Sciences

2011-2012

I. SIGNIFICANT TRENDS:

From 2009 to 2011, the College of Liberal Arts and Science has remained relatively “static” with regard to new or dropped majors, minors and certificate programs - none. Recent budget cuts to all administrative units and academic programs within the College have established a sense of “caution” with respect to developing new programs. There are a few proposals for new minors being approved or developed, and the increased frequency of catalog reviews will expedite the incorporation of these new programs into the curricula offered by the College.

The current budget situation has also significantly impacted curricular development. New courses are ‘down’ this year (e.g. 62 new courses versus 82 during the previous catalog cycle), with a marked increase in number of courses dropped. A total of 142 courses have been dropped compared to 83 during the last catalog period. The financial uncertainty for departments in the College has impacted the curriculum with respect to maintaining course numbers; accompanying the gradual loss of LAS faculty is a significant upturn in courses being dropped from the curriculum.

Although not part of this catalog review cycle, the College is anticipating the addition of several new minor degree programs in the near future: A Minor in Sustainability, and a Minor in World Film Studies are among the next wave of additional degree opportunities to be available to students in the short term.

With reductions in faculty numbers in certain programs, the viability of some academic programs will need to be evaluated in the future in the context of having a minimum number of courses taught to maintain a viable degree program.

The Department of English added a new concentration in the Masters of Arts in English graduate program; this is a concentration in ‘The Literature and the Teaching of Reading’ as a specialization track.

The LAS curriculum as a whole is the most disciplinarily diverse assemblage of curricula and courses at Iowa State University, and represents many of the core, general education disciplines required by virtually all undergraduate students at the University. The development of several new courses throughout the curricula and the removal of a significant number of courses that have not been recently taught have improved the breadth and presentation of course offerings from the 40+ majors and degree programs available through the College.

II. CURRICULA, MAJORS, MINORS ADDED OR DROPPED:

Majors Added:

none

Minors Added:

(Dept of Economics: Agricultural Business Minor – via CALS)

Majors Dropped:

none

Minors Dropped:

none

Certificates Added:

none

III. NEW COURSES:

Anthropology

ANTHR 220 Globalization and Sustainability. (X-L with ENV S, GLOBE, MAT E, M E, SOC, T SC.) (3-0). Cr. 3.

ANTHR 328 Asian American Material Cultures. (3-0). Cr. 3.

ANTHR 376 Classical Archaeology. (Cross-listed with CL ST, RELIG.) (3-0). Cr. 3.

ANTHR 425 Professional Preparation in Anthropology. (2-0). Cr. 2.

Transferred Courses from Chemistry:

ANTHR 540 Seminar in Forensics Sciences (1-0). Cr. 1. (Was CHEM 540)

ANTHR 542 Independent Research and Presentation in Forensic Science (1-0). Cr. 1. (Was CHEM 542)

Arabic

ARABC 201 Intermediate Arabic I (4-0). Cr. 4.

Biochemistry, Biophysics & Molecular Biology

BBMB 316: Principles of Biochemistry. (3-0) Cr. 3.

BBMB 561L: Laboratory in Molecular Biophysics. (1-3) Cr. 2

Bioinformatics & Computational Biology (undergraduate & graduate)

BCBIO 442 – Bioinformatics and Computational Biology Techniques (3-0). Cr. 3.

Chinese

CHIN 403 Reading Chinese Texts

Classical Studies

CL ST 201. Technical Terminologies in the Professions. (3-0). Cr. 3

Communication Studies

COMST 319. Communication Training and Development. (3-0) Cr. 3

Classical Studies

CL ST 201. Technical Terminologies in the Professions. (3-0) Cr. 3

Economics

ECON 337 Agricultural Marketing. (2-2). Cr. 3
ECON 418 Introduction to Game Theory. (3-0). Cr. 3.

French

FRNCH 305 French Conversation
FRNCH 340 Studies in French or Francophone Literature (replaces 333 and 334)
FRNCH 476 French Civilization Seminar in English (replaces 471 and 472) [No. and title change]

Geology

GEOL 105. Gems and Gemstones. (2-0) Cr. 1.
GEOL 109. Exploring Iowa Geology. (1-0) Cr. 1.
GEOL 315L. Laboratory in Mineralogy and Earth Materials. (0-3) Cr. 1.
GEOL 316. Optical Mineralogy. (1-2) Cr. 2.
GEOL 416. Hydrologic Modeling and Analysis. (2-3) Cr. 3. DL w/ 516; (XL w/ MTEOR, ENSCI.)
GEOL 420. Mineral Resources. (2-3) Cr. 3. Dual-listed with 520;
GEOL 516. Hydrologic Modeling and Analysis. (2-3) Cr. 3. DL w/ 416; (XL w/ MTEOR, ENSCI.)
GEOL 520. Mineral Resources. (2-3) Cr. 3. Dual-listed with 420;

History

Hist 240 Latino/a History – 3.0 Cr.
Hist 318 History of Early Modern Europe, 1450-1789 – 3.0 Cr.
Hist 321 History of the Mediterranean World – 3.0 Cr.
Hist 396 General Topics in History – 3.0 Cr.
Hist 407 History of the Late Middle Ages – 3.0 Cr.
Hist 411 European Economic History, 1450-1789 – 3.0 Cr.
Hist 496 Advanced Topics in History – 3.0 Cr.

Journalism and Mass Communications

JL MC 312. Advanced Techniques in Photojournalism. (3-0). Cr. 3.

Linguistics

LING 354. Introduction to Spanish-English Interpretation. Dual-listed 554; (XL with SPAN.) Owned by Spanish
LING 554. Introduction to Spanish-English Interpretation. Dual-listed 354; (XL with SPAN.) Owned by Spanish

Military Science

M S 250 Advanced Army Physical Readiness I. (0-5). Cr. 2
M S 251 Advanced Army Physical Readiness II. (0-5). Cr. 2

Mathematics

MATH 426. Mathematical Methods for the Physical Sciences (NEW CROSSLIST ONLY)
MATH 646. Mathematical Modeling of Complex Physical Systems (NEW CROSSLIST ONLY)

Meteorology

MTEOR 107. Severe and Hazardous Weather. (2-0) Cr. 1

Philosophy

PHIL 548 Summer Bioethics Workshop for Teachers. Cr. 1.

Physics

PHYS 241: Principles and Symmetries in Classical Physics I. (4-1) Cr. 5. F.
PHYS 242: Principles and Symmetries in Classical Physics II. (4-2) Cr. 5. S.
PHYS 421: Ultrafast Laser Science and Spectroscopy. (3-0) Cr. 3. F. DL with PHYS 521
PHYS 426: Mathematical Methods for the Physical Sciences. – XL with MATH 426
PHYS 461: Physics of Biomolecules. (3-0) Cr. 3. F. Dual-listed with PHYS 561
PHYS 521: Ultrafast Laser Science and Spectroscopy. (3-0) Cr. 3. F. DL listed with PHYS 421
PHYS 561: Physics of Biomolecules. (3-0) Cr. 3. F. Dual-listed with PHYS 461
PHYS 646: Mathematical Modeling of Complex Physical Systems

Political Science

POL S 395. Advanced Writing in Political Science. Cr. R.
POL S 496. Teaching Internship in Political Science. (3-0).
POL S 497. Research Internship in Political Science. (3-0). Cr.3.
POL S 533. E-government and Information Policy. (3-0). Cr. 3.

Psychology

PSYCH 112. Psychology Learning Community Seminar. (1-0). Cr. 1.
PSYCH 250. Introduction to Industrial-Organizational Psychology. (3-0) Cr. 3
PSYCH 318. Thinking and Decision Making. (3-0). Cr. 3.
PSYCH 347. U.S. Latino/a Psychology. (3-0). Cr. 3.
PSYCH 350. Human Factors in Technology. (3-0) Cr. 3.
PSYCH 383. Psychology and Law. (3-) Cr. 3.
PSYCH 410. Behavioral Neurology. (3-0). Cr. 3.
PSYCH 487. Human Aggression. (3-0). Cr. 3.
PSYCH 501. Foundations of Behavioral Research. (3-0). Cr. 3.
PSYCH 594. Quantitative Behavioral Methods (1 - 0) Cr. 1.

Religious Studies

RELIG 324. Christianity and Science. (3-0). Cr. 3.
RELIG 355. Religions Traditions of China. (3-0). Cr. 3.

Spanish

SPAN 297 Intensive Intermediate Spanish (3-0). Cr. 3
SPAN 354 Introduction to Spanish-English Interpretation
SPAN 554 Introduction to Spanish-English Interpretation

Sociology

SOC 220 Globalization and Sustainability. (X-L with ANTHR, ENV S, GLOBE, M E, MAT E, T SC.) (3-0). Cr. 3.

Women's Studies

WS 325 "Portrayals of Gender and Sexualities in the Media" (3-0) Cr. 3.

World Languages and Cultures

WLC 491 Language in Motion. (1-0). Cr. 1.

IV. COURSES DROPPED:

African and African American Studies

AFAM 325 Peoples and Cultures of Africa (3-0) Cr. 3

Anthropology

ANTHR 250 Contemporary Muslim Societies. (3-0). Cr. 3.
ANTHR 325 Peoples and Cultures of Africa. (3-0). Cr. 3.
ANTHR 335 Peoples and Cultures of the Middle East. (3-0). Cr. 3.
ANTHR 337 Andean Archaeology. (3-0). Cr. 3.
ANTHR 412 Psychological Anthropology. (3-0). Cr. 3.
ANTHR 414 Southwestern Archaeology. (3-0). Cr. 3.
ANTHR 439 Medical Anthropology. (3-0). Cr. 3.
ANTHR 500 Language and Culture. (3-0). Cr. 3. (Parallel drop in LING 500)
ANTHR 512 Psychological Anthropology. (3-0). Cr. 3.
ANTHR 514 Southwestern Archaeology. (3-0). Cr. 3.
ANTHR 525 Peoples and Cultures of Africa. (3-0). Cr. 3.
ANTHR 535 Peoples and Cultures of the Middle East. (3-0). Cr. 3.
ANTHR 537 Andean Archaeology. (3-0). Cr. 3.
ANTHR 539 Medical Anthropology. (3-0). Cr. 3.

Arabic

ARABC 354 Intermediate Arabic I (Should have been dropped in 09-11 catalog)

Biochemistry, Biophysics & Molecular Biology

BBMB 311 Biochemistry Laboratory
BBMB 451 Physical Biochemistry
BBMB 531 Structure and Reactivity of Biomolecules
BBMB 541 Computational Biochemistry
BBMB 581 Seminar
BBMB 640 Signal Transduction
BBMB 670 Molecular Biology of Muscle

Bioinformatics & Computational Biology (undergraduate & graduate)

BCB 495 – Molecular Biology for Computational Scientists – 3.0 Cr
BCB 538 – Computational Genomics and Evolution – 3.0 Cr
BCB 539 – Statistical Methods for Computational Biology – 2.0 Cr.
BCB 542 – Introd. to Molecular Biology Techniques - REMOVAL OF CROSSLIST ONLY
BCB 549 – Advanced Algorithms in Computational Biology – 3.0 Cr.
BCB 550 – Evolutionary Problems for Computational Biologists – 3.0 Cr.
BCB 551 – Computational Techniques for Genome Assembly and Analysis – 3.0 Cr.

Biology

Biology 305 Embryology – 2.0 Cr.
Biology 305L Embryology Laboratory - 1.0 Cr.
Biology 314L Molecular Cell Biology Laboratory – 1.0 Cr.
Biology 354L Laboratory in Animal Behavior – 1.0 Cr.

Chemistry

CHEM 155 Foundations of Chemistry for Engineers (3-0). Cr. 3.
CHEM 165 Foundations of Chemistry for Engineers (4-0). Cr. 4.
CHEM 540 Seminar in Forensics Sciences (1-0). Cr. 1.
CHEM 542 Independent Research and Presentation in Forensic Science (1-0). Cr. 1.
CHEM 581 Principles of Lasers and Optics (3-0). Cr. 3.

Czech

CZECH 101 Elementary Czech I (3-2). Cr. 4.
CZECH 102 Elementary Czech I (3-2). Cr. 4.
CZECH 201 Intermediate Czech I (3-2). Cr. 4.
CZECH 202 Intermediate Czech II (3-2). Cr. 4.

Ecology, Evolution & Organismal Biology

EEOB 542 Pteridology – Cr. 2
EEOB 561 Plant Diversity and Evolution – Cr. 4
EEOB 575 Field Mycology – Cr. 4
EEOB 641 General Mycology I – Cr. 4
EEOB 642 General Mycology II – Cr. 4

Economics

ECON 101H Principles of Microeconomics. (3-0). Cr. 3.
ECON 102H Principles of Macroeconomics. (3-0). Cr. 3.
ECON 338 Topics in Agricultural Marketing. Cr. 1-2.
ECON 415 Firms, Markets and Industry Structure. (2-2). Cr. 3.
ECON 553 Applied Res Monet and Macroecon. (3-0) Cr. 3

English

ENGL 351. Literature and Science. (3-0) Cr. 3.
ENGL 451. Seminar in Poetry. (3-0) Cr. 3.
ENGL 452. Seminar in Prose. (3-0) Cr. 3.
ENGL 621. Topics in Current Rhetorical Theory. (3-0) Cr. 3.

French

FRNCH 310 French Pronunciation and Phonetics
FRNCH 333 Topics in Contemporary French or Francophone Literature
FRNCH 334 Topics in Early Modern and Modern French
FRNCH 375 Contemporary France and the Francophone World in English
FRNCH 440 Seminar in French or Francophone Studies
FRNCH 471 Foundations of French Civilization
FRNCH 472 Modern France and French Civilization

Genetics (undergraduate and graduate)

GEN 495 Molecular Biology for Computational Scientists (3-0) Cr. 3

Genetics Cell and Developmental Biology

GDCB 537 – Statistics for Molecular Genetics – Cr. 3.0 Parallel drop in STAT
GDCB 538 – Computational Genomics and Evolution - Cr. 3.0 Parallel drop in BCB
GDCB 539 – Statistical methods for Computational Biology – Cr. 3.0 Parallel drop in BCB
GDCB 632 – Current Topics in Signal Transduction – Cr. 2
GDCB 640 – Signal transduction – Cr. 3 [drop] - Parallel drop in BBMB

Geology

GEOL 542. Optical Mineralogy

German

GER 440 Colloquium in German Studies
GER 475 Foundations of German Civilization

History

- Hist 245 Introduction To Latin American History – 3.0 Cr.
Hist 305 Cultural Heritage of the Modern World – 3.0 Cr.
Hist 351 Social and Cultural History of American People I – 3.0 Cr.
Hist 352 Social and Cultural History of American People II – 3.0 Cr.
Hist 424 History of Modern Germany – 3.0 Cr.
Hist 462 History of American Thought I – 3.0 Cr.
Hist 463 History of American Thought II – 3.0 Cr.
Hist 464 Nineteenth Century America – 3.0 Cr.
Hist 466 Empires in North American – 3.0 Cr.
Hist 483 Modern Science and Human Nature – 3.0 Cr.
Hist 486 History of Medicine, Gender, and the Body – 3.0 Cr.
Hist 489 History of American Science – 3.0 Cr.
Hist 570 Seminar in General History of Science I – 3.0 Cr.
Hist 571 Seminar in General History of Science II – 3.0 Cr.
Hist 576 Colloquium in Historiography of Technology and Science – R Cr.
Hist 580 Museum or Archive Internship – 1-3 Cr.
Hist 585 Teaching Methods – 1-2 Cr.
Hist 592 Seminary in East Asian History – 3.0 Cr.
Hist 602 Seminar on History of Science and Technology - 3.0 Cr.

Linguistics

- LING 512. Linguistic Change in English: Historical Analysis of Literary and Non-Literary Texts.
LING 500. Language and Culture. (Anthro 500 dropped)

Mathematics

- MATH 489. History of Mathematics. (3-0). Cr. 3.
MATH 471. Computational Linear Algebra and Fixed Point Iteration. (3-0). Cr. 3.
MATH 542. Investigating the Teaching and Learning of Secondary Mathematics. (1-0). Cr. 1.
MATH 543. Topics in Mathematics Education. (1-0). Cr. 1.
MATH 597. Introductory Computational Structural Biology. (3-0). Cr. 3.

MATH 569. Bioinformatics III (Structural Genome Informatics) – Drop MATH Cross-list

Military Science

- M S 310 Practicum: Advanced Military Skills. (0-3). Cr. 1.
M S 410 Practicum: Military Skills Leadership. (0-3). Cr. 1.

Music

- Music 356 - Instrument Maintenance and Repair – 1.0 Cr. -
Music 593 – Workshops – Cr. Arr.

Polish

- POLSH 101 Elementary Polish I. (3-2). Cr. 4.
POLSH 102 Elementary Polish II. (3-2). Cr. 4.
POLSH 201 Intermediate Polish I. (3-2). Cr. 4.
POLSH 202 Intermediate Polish II. (3-2). Cr. 4.

Political Science

POL S 302 Politics of Writing, Speaking, and Reading.
POL S 313 Theory & Methods
POL S 341 Politics of Asia
POL S 433 American Political Thought.
POL S 477 Government, Business, and Society
POL S 495 Capstone Project in Political Science
POL S 501 Quantitative Methods for Public Managers.
POL S 510 State Government & Politics
POL S 544 Comparative Public Policy
POL S 541 Strategic Public Management.
POL S 547 Political Leadership and Elites.
POL S 560 American Political Institutions
POL S 577 Government, Business, and Society
POL S 579 Public Revenues and Cost Analysis.

Portugese

PORT 370 Luso-Brazilian Topics in English Translation
PORT 590 Special Topics in Portuguese

Psychology

PSYCH 512 Advanced Perception
PSYCH 514 Advanced Human Learning and Memory
PSYCH 530 Advanced Developmental Psychology
PSYCH 550 Advanced Industrial and Organizational Psychology
PSYCH 586 Research Methods in Social Psychology
PSYCH 563 Developmental Psychopathology
PSYCH 635 Interventions with Children and Adolescents

Russian

RUS 320 Russia Today
RUS 401 Advanced Composition and Conversation
RUS 440 Seminar in Russian Studies

Serbo-Croatian

SERBC 101 Elementary Serbo-Croatian I. (3-2). Cr. 4.
SERBC 102 Elementary Serbo-Croatian II. (3-2). Cr. 4.

Sociology

SOC 264 Small Group Dynamics. (3-0). Cr. 3.
SOC 431 Chicanos/Chicanas in Contemporary Society. (3-0). Cr. 3.
SOC 550 Sociology of Economic Life. (3-0). Cr. 3.

Statistics

STAT 528. Applied Business Statistics. (2-2) Cr. 3
STAT 537. Statistics for Molecular Genetics. (3-0) Cr. 3
STAT 566. Survival Analysis for Biomedical Applications. (3-0) Cr. 3

Theatre

THTRE 352 – Stage Combat
THTRE 359 – Theatre for Children and Youth
THTRE 367 – Stage Management

Women's Studies

W S 222. Leadership Styles and Strategies in a Diverse Society. Dropped X-L...now just LAS 222 and no cross list

V. NUMBER, CREDIT, AND TITLE CHANGES:

Air Force Aerospace Studies

AFAS 101. Title to: Introductory Leadership Laboratory I
AFAS 102. Title to: Introductory Leadership Laboratory II
AFAS 201. Title to: Basic Leadership Laboratory I
AFAS 202. Title to: Basic Leadership Laboratory II.
AFAS 301. Title to: Intermediate Leadership Laboratory I.
AFAS 302. Title to: Intermediate Leadership Laboratory II.
AFAS 401. Title to: Advanced Leadership Laboratory I.
AFAS 402. Title to: Advanced Leadership Laboratory II.
AFAS 441. Title to: Preparation for Active Duty
AFAS 442. Title to: National Security Affairs

American Indian Studies

AM IN 420. Number and Title to: AM IN 320. Great Plains Archaeology
AM IN 432. Number and Title to: AM IN 332. Current Issues in Native North America.

Anthropology

ANTHR 320 Number Change - (from Anthr 420)
ANTHR 332 Number Change - (from Anthr 432)
ANTHR 336 Number Change - (from Anthr 436)
ANTHR 309 Title to: "Introduction to Culture and Language"
ANTHR 313 Title to: "Kinship and Marriage in a Global Perspective"
ANTHR 320 Title to: "Great Plains Archaeology"
ANTHR 336 Title to: "Global Development"
ANTHR 411 Title to: "Applied Anthropology"
ANTHR 511 Title to: "Applied Anthropology"
ANTHR 513 Title to: "Kinship and Marriage in a Global Perspective"
ANTHR 520 Title to: "Great Plains Archaeology"
ANTHR 536 Title to: "Global Development"
ANTHR 541 New designator: "Seminar in Forensic Sciences" (from Chem 540 "Seminar in Forensic Sciences")
ANTHR 542 New designator: "Independent Research and Presentation in Forensic Science" (from Chem 542)

Astronomy

ASTRO 450. Undergraduate Research - Add word 'Theoretical' before 'Research' in description.

Biochemistry, Biophysics & Molecular Biology

BBMB 440 Laboratory in Microbial Physiology, Diversity and Genetics. Credits from (1-7) Cr. 3. to (2-6) Cr. 4.
BBMB 561 Molecular Biophysics (was BBMB 551) Now Dual-Listed with BBMB 461
BBMB 542F. Techniques in Metabolomics (with GDCB) New Sections Added
BBMB 542G. Genomic Techniques New section of BBMB 542. New Sections Added
BBMB 461 Title to: Molecular Biophysics (Was: Topics in Biophysics)

Biology

BIOL 335 Title to 'Principles of Human Physiology' (Was: 'Principles of Animal Physiology')
BIOL 335 – Prereq. Change – Remove 'Biol 314' – Add: Biol 212

Classical Studies

CL ST 350 Title to: Rhetorical Traditions.
CL ST 374 Title to: Women and Men in the Ancient Mediterranean World.

Computer Science

COM S 444. Introduction to Bioinformatics. - BCBio added as cross list
COM S 549. Advanced Algorithms in Computational Biology. - BCB dropped the course from their list
COM S 550. Evolutionary Problems for Computational Biologists. – Course Dropped by BCB
COM S 551. Computational Techniques for Genome Assembly and Analysis – Course Dropped by BCB.
COM S 569. Bioinformatics III (Structural Genome Informatics).

DESIGNATOR CHANGES:

COM S 567. Bioinformatics I (Fundamentals of Genome Informatics). Carl Chang, Chair of Computer Science, has approved ComS becoming teaching department for BCB 567.
COM S 568. Bioinformatics II (Advanced Genome Informatics). Marty Spalding has approved GDCB as the teaching department for BCB 568.

Economics

ECON 101: Credit Change to 3 cr. from Cr. arr.
ECON 532 Title to: “Managerial Economics for the Global Organization” (Was “Business Economics”)

English

ENGL 313. Title to: Rhetorical Website Design.
ENGL 350. Title to: Rhetorical Traditions. (Cross-listed with CL ST, SP CM.)
ENGL 450. Title to: Seminar in Literary Genres. (3-0) Cr. 3
ENGL 550. Title to: Creative Writing: Craft and Professional Practice
ENGL 586. Title to: Visual Rhetoric in Professional Communication.
ENGL 592. Title to: Core Studies in Rhetoric and Professional Communication. (3-0) Cr. 3.
ENGL 611. Title to: Topics in Rhetorical Theory
ENGL 487. Internship in Business, Technical, and Professional Communication. Cr. 1-3. Credit change
ENGL 497. Capstone Assessment. Cr. 1. Credit change
ENGL 587. Internship in Business, Technical, and Professional Communication. Cr. 1-3. **Delete (3-0)**
ENGL 601. Resarch Methods in Rhetoric and Professional Communications– Change number to 501

Geology

GEOL 315 Minerology and Earth Materials - Number Change (Was GEOL 311)
GEOL 315 Credit change: 5 Cr. to 3 Cr. (Was GEOL 311)

History

Hist 473 – “Civil Rights and Black Power” to “Civil Rights and Ethnic Power
Hist 496 – “Topics in History” to “Advanced Topics in History”

Journalism and Mass Communication

JL MC 344 - FROM: Depth Reporting and Writing. TO: Feature Writing.
JL MC 520 - Course title changed to correct error. Correct title is "Public Relations Theory and Methods."
(Previous catalog was incorrectly "Persuasion Theory and Methods.)

Linguistics

LING 309. Introduction to Culture and Language. (course owned by ANTHRO)

Mathematics

MATH 535. Title to: Steganography and Digital Image Forensics
MATH 690. Advanced Topics. Re-number To: MATH 680. Advanced Topics.

Meteorology

MTEOR 206 Title to: Introduction to Weather and Climate. (was “Introduction to Meteorology”)
MTEOR 452 Title to: Climate Modeling. (was “Physics of Climate”)
MTEOR 552 Title to: Climate Modeling. (was “Physics of Climate”)
MTEOR 605 Title to: Boundary-Layer Meteorology. (was “Micrometeorology”)
MTEOR 590 Special Topics. Add Section: N. Geophysical Fluid Dynamics

Music

MUSIC 133 [Taught as 290F – fide J. Cox]
MUSIC 248 Contact Hrs to: (2-0).
MUSIC 302 Title to: The History of Music in Western Culture.
MUSIC 360 Title to: Voice Pedagogy.

Physics

PHYS 111 Title to: General Physics I. (Was: General Physics)
PHYS 112 Title to: General Physics II. (Was: General Physics)

Political Science

POL S 406 Number to POL S 306 ; (removes a nonmajor graduate credit)
POL S 464 Number to POL S 364
POL S 482 Number to POL S 383 (X-L conflict with ENV S 382); (removes a nonmajor graduate credit)
POL S 312 Title to: Special Topics in American Government and Politics.
POL S 313 Title to: Special Topics in Theory and Methods. - DROPPED
POL S 314 Title to: Special Topics in Comparative Politics.
POL S 315 Title to: Special Topics in International Relations.

Religious Studies

RELIG 242 Title to: History of Christianity: Beginnings to the Reformation.
RELIG 243. History of Christianity: The Reformation to the Present. (3-0). Cr. 3. – WAS RELIG 242B
NEW TITLE and NEW NUMBER – Delete Relig 242B

Speech Communication

SP CM 313. Title to: Communication in Classrooms and Workshops. (3-0) Cr. 3.
SP CM 416. Title to: History of American Public Address. (3-0) Cr. 3. S
[RE: SP CM 350. Title to: Rhetorical Traditions. (owned by English).]

Statistics

STAT 416. Title to: Statistical Design and Analysis of Gene Expression Experiments
STAT 430. Title to: Empirical Methods for the Computational Sciences.
STAT 516. Title to: Statistical Design and Analysis of Gene Expression Experiments.
STAT 615. Title to: Advanced Bayesian Methods
STAT 568. Bioinformatics II (Advanced Genome Informatics) - Changed teaching dept. from BCB to GDCB
STAT 570. Bioinformatics IV (Comp. Funct. Genom & Syst. Biol.) Changed teaching dept. from BCB to CprE.

World Languages and Cultures

FRNCH 301 Title to: French Writing and Grammar
FRNCH 302 Title to: Reading and Writing French
FRNCH 476 French Civilization Seminar in English (replaces 471 and 472) [Number and title change]
GER 330 Title to: German Literature and Culture
GREEK 201 Intermediate Classical Greek – changed to “credit arranged”
GREEK 332 Introduction to Classical Greek Literature – changed to “credit arranged”
LATIN 201 Intermediate Latin – changed to “credit arranged”
LATIN 332 Introduction to Latin Literature – changed to “credit arranged”
PORT 101 Elementary Portuguese I – changed to “credit arranged”
PORT 102 Elementary Portuguese II – changed to “credit arranged”
PORT 111 Elementary Portuguese, Accelerated I – changed to “credit arranged”
PORT 112 Elementary Portuguese, Accelerated II – changed to “credit arranged”
PORT 201 Intermediate Portuguese I – changed to “credit arranged”
PORT 202 Intermediate Portuguese II – changed to “credit arranged”
RUS 375 Title to: Contemporary Russian Culture
WLC 491. Title to: Experiences Abroad: Learning to Think Globally

Womens Studies

- W S 160. Gender Justice (**new designator** for Univ. Studies 160)
W S 501. Contemporary Feminist Theories. Renumber from WS 510 to 501
W S 587. Title to: Diversity Issues in Couple and Family Therapy. (Cross-listed with HD FS.)
W S 620. Advanced Seminar in Feminist Research Methods. Renumber to W S 502.

VIII. SUMMARY OF CHANGES:

VI. COURSES ADDED FOR NONMAJOR GRADUATE CREDIT

Economics

- Econ 337 Agricultural Marketing. (2-2). Cr. 3
Econ 418 Introduction to Game Theory. (3-0). Cr. 3.

English

- ENGL 393. The History of Children's Literature
ENGL 416. Visual Aspects of Business and Technical Communication

Geology

- GEOL 315L. Laboratory in Mineralogy and Earth Materials.
GEOL 316. Optical Mineralogy.
GEOL 416. Hydrologic Modeling and Analysis.

History

- HIST 407 History of the Late Middle Ages – 3.0 Cr.
HIST 411 European Economic History, 1450-1789 – 3.0 Cr.

Linguistics

- LING 305. Language, Thought and Action.

Meteorology

- MTEOR 416. Hydrologic Modeling and Analysis.

Physics

- PHYS 421 - Ultrafast Laser Science and Spectroscopy
PHYS 461 - Physics of Biomolecules

Psychology

- PSYCH 410 – History of Psychology

Religious Studies

- RELIG 324 - Christianity and Science.
RELIG 355 - Religions Traditions of China.

Women's Studies

- W S 320. (Cross-listed with ENV S.)
W S 352. Added to match copy in English (cross-list)

VII. COURSES DROPPED FOR NONMAJOR GRADUATE CREDIT

Biochemistry, Biophysics & Molecular Biology

- BBMB 451: Physical Biochemistry

Economics

- Econ 415 Firms, Markets and Industry Structure. (2-2). Cr. 3.

English

- ENGL 351. Literature and Science (course dropped)

Political Science

- POL S 406 – Public Opinion and Voting Behavior
POL S 433 – American Political Thought
POL S 477 – Government Business and Society
POL S 482 – Environmental Politics and Policies

VIII. SUMMARY OF CHANGES:

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

Summary of Changes					
Department	New	Dropped	Number	Credit	Title
ADVRT	0	0	0	0	0
AF AM	0	0	0	0	0
AFAS	0	0	0	0	10
AM IN	0	0	2	0	1
ANTHR	4	14	3	0	9
ARABC	1	0	0	0	0
ASTRO	0	0	0	0	0
BBMB	2	7	1	1	1
BCBIO	1	6	0	0	0
BIOL	0	4	0	0	1
BPMI	0	0	0	0	0
CHEM	0	5	0	0	12
CHIN	1	0	0	0	0
CJ ST	0	0	0	0	0
CL ST	1	0	0	0	2
CMDIS	0	0	0	0	0
COM S	0	0	0	0	0
COMST	0	0	0	0	0
CZECH	0	4	0	0	0
ECON	2	5	0	1	1
EEOB	0	5	0	0	0
ENGL	0	4	1	2	8
FRNCH	2	7	1	2	4
GDCB	0	5	0	0	0
GEN & GENET	0	1	0	0	0
GEOL	8	1	1	1	0
GER	0	2	0	0	2
GREEK	0	0	0	0	0
HIST	7	19	0	0	2
JL MC	1	0	0	0	2
LAS	0	1	0	0	0
LATIN	0	0	0	0	0
LING	0	1	0	0	1
M S	2	2	0	0	0
MATH	0	5	1	0	1
MTEOR	1	0	0	0	4
MUSIC	0	2	0	0	0
N S	0	0	0	0	0
PERF	0	0	0	0	0
PHIL	1	0	0	0	0
PHYS	8	0	0	0	0
POL S	4	13	3	0	4
POLSH	0	4	0	0	0
PORT	0	2	0	0	0
PSYCH	10	7	0	0	0
RELIG	2	0	0	0	1
RUS	0	3	0	0	0
SERBC	0	2	0	0	0
SOC	1	3	0	0	2
SP CM	0	0	0	0	3

SPAN	2	0	0	0	0
STAT	0	4	0	0	4
THTRE	0	3	0	0	0
W S	1	1	2	0	1
WLC	0	0	0	0	0
Total College of Liberal Arts and Sciences	62	142	15	7	76

XIX. Changes since Proposed Departmental Changes for General Review

ANTHR 309 no longer required for undergraduate major; An intensive writing course in addition to (Engl 250 and either English 302 or 309 or 314) added as a requirement for undergraduate major
 ANTHR 500 dropped, no longer required for graduate major

BIOL 335 Title to 'Principles of Human Physiology' (Was: 'Principles of Animal Physiology')
 BIOL 335 Prereq. Change – Remove 'Biol 314' – Add: Biol 212

CHEM 163L: Change "F.S.SS." to "F.S."

EEOB 542 Pteridology – Cr. 2 - DROP COURSE
 EEOB 561 Plant Diversity and Evolution – Cr. 4 - DROP COURSE
 EEOB 575 Field Mycology – Cr. 4 - DROP COURSE
 EEOB 641 General Mycology I – Cr. 4 - DROP COURSE
 EEOB 642 General Mycology II – Cr. 4 - DROP COURSE

ENGL 376. Title to: Studies in British Literature [Add sections: A Romantic B. Victorian]

LING 513. Language Assessment Practicum. (Cross-listed with ENGL 513) – ADD CROSS-LIST
 LING 519. Second Language Assessment. (Cross-listed with ENGL 519) – ADD CROSS-LIST.
 LING 528. English for Specific Purposes. (Cross-listed with ENGL 528). – ADD CROSS-LIST
 LING 626. Computer-Assisted Language Testing. (Cross-listed with ENGL 626) – ADD CROSS-LIST

MS 150. Removed S/F only from M S 150.

XX. NUMBER CHANGE - JUSTIFICATION FOR NEW COURSES (add Excel Spreadsheet)

Summary Table										
Department Name	Designator and Course Number	Nonmajor graduate credit		Required in Program		Experimental Offering				Justification for: •courses offered experimentally •not required in a program
		No	Yes	No	Yes	No	Term	Year	Enroll.	
Anthropology	ANTHRO 220	X		X			Sp	2010	60	Offered experimentally
	ANTHRO 328	X		X						Taught as LAS 328; adds crosslist
	ANTHRO 376	X		X						Taught as LAS Relig 376; adds crosslist.
	ANTHRO 425	X		X			F	2009	15	Offered experimentally
BiochemBiophys & Molec Biol	BBMB 316	X			X	X	S	2009	68	Required in Biol program
	BBMB 561L	X		X			S	2009	10	Offered experimentally
							S	2010	10	Offered experimentally
Bioinf Comp Biology	BC BIO 442	X		X			S	2009	40	Offered experimentally
	BC BIO 444	X		X						Adds crosslist only
Classical Studies	CI St 201	X		X			S	2009	31	Offered experimentally
							F	2009	26	Offered experimentally
Communicat. Studies	ComSt 319	X		X			F	2009	24	Offered as 404G
							S	2009	27	Offered as 404G
Economics	Econ 337		X	X			S	2010	35	Offered experimentally
	Econ 418		X	X			S	2008	25	Offered experimentally
							S	2009	32	Offered experimentally
							S	2010	30	Offered experimentally
Geology/Atmos Sci	Geol 105	X		X			F	2008	199	Offered experimentally
							F	2009	160	Offered experimentally
	Geol 109	X		X			F	2008	16	Offered experimentally
							F	2009	17	Offered experimentally
	Geol 315L	X		X			F	2009	21	Offered experimentally
	Geol 316	X		X			F	2009	21	Offered experimentally
	Geol 416	X		X			S	2007	7	Offered experimentally
							S	2009	6	Offered experimentally
	Geol 420	X		X			F	2008	13	Offered experimentally
	Geol 516	X		X			S	2007	4	Offered experimentally

						S	2009	4	Offered experimentally
	Geol 520	X		X		F	2008	4	Offered experimentally
	Mteor 107	X		X		F	2009	123	Offered experimentally
Greenlee School	JL MC 312	X		X		S	2008	18	Offered experimentally
						F	2009	13	Offered experimentally
History	Hist 240	X		X		F	2010	42	Offered experimentally
	Hist 318	X		X		S	2010	44	Offered experimentally
	Hist 321	X		X		F	2010	46	Offered experimentally
						S	2010	40	Offered experimentally
	Hist 396	X		X		S	2010	40	Required in program
	Hist 407		X	X		F	2008	27	Offered experimentally
						S	2010	26	Offered experimentally
	Hist 411		X	X		F	2008	21	Offered experimentally
						S	2010	14	Offered experimentally
	Hist 496	X			X	X			Required in program
Linguistics	Ling 354		X						Adds crosslist only
	Ling 554	X		X					Adds dual list
Mathematics	Math 426	X		X					Adds crosslist only
	Math 646	X		X					Adds crosslist only
Military Science	M S 250	X		X		F	2008	8	Offered experimentally
		X		X		F	2009	26	Offered experimentally
		X		X		F	2010	31	Offered experimentally
	M S 251	X		X		S	2010	25	Offered experimentally
Philosophy	Phil 548	X		X		SS	2008	4	Offered experimentally, Continuing Ed for Teachers
		X		X		SS	2009	1	Offered experimentally, Continuing Ed for Teachers
						SS	2010	0	Offered experimentally, Continuing Ed for Teachers
Physics & Astronomy	Phys 241	X			X	F	2010	32	Required in program
	Phys 242	X			X	S	2011	N/A	Required in program
	Phys 421	X		X		F	2009	1	Taught Previously as Phys 490
						F	2010	1	Taught Previously as Phys 490
	Phys 426	X		X					Adds crosslist w/Math
	Phys 461	X		X		F	2009	1	Offered experimentally
						F	2010	4	Offered experimentally
	Phys 521	X		X		F	2010	8	Offered experimentally
	Phys 561	X		X		F	2009	13	Offered experimentally

						F	2010	7	Offered experimentally
	Phys 646	X		X					Adds crosslist w/Math
Political Science	Pol S 395	X		X					Reinstates 395 from earlier catalog (302)
	Pol S 496	X		X					Placeholder, Required in program
	Pol S 497	X		X					Placeholder, Required in program
	Pol S 533	X		X		S	2005	18	Offered experimentally
						F	2005	13	Offered experimentally
						S	2010	8	Offered experimentally
Psychology	Psych 112	X		X		F	2010	25	Required in program
	Psych 250	X		X		F	2009	25	Offered experimentally
						F	2010	20	Offered experimentally
	Psych 318	X		X		S	2010	37	Offered experimentally
						F	2010	32	Offered experimentally
	Psych 347	X		X		S	2008	21	Offered experimentally
						S	2009	18	Offered experimentally
	Psych 350	X		X		S	2010	28	Offered experimentally
						F	2010	20	Offered experimentally
	Psych 383	X		X		S	2010	80	Offered experimentally
						F	2010	56	Offered experimentally
	Psych 410		X	X		F	2009	18	Offered experimentally
						F	2010	13	Offered experimentally
	Psych 487	X		X		S	2010	14	Offered experimentally
	Psych 501	X			X				Required in program
	Psych 594	X			X				Required in program
Religious Studies	Relig 324		X	X		S	2009	23	Offered experimentally
						S	2010	16	Offered experimentally
	Relig 355		X	X		F	2008	20	Offered experimentally
						F	2010	22	Offered experimentally
Sociology	Soc 222	X		X		S	2010	60	Offered experimentally
World Lang & Cultures	Arabc 201	X		X		F	2010	12	Offered experimentally
	Chin 403	X		X		F	2009	18	Offered experimentally
	Frnch 305	X			X				Required in program
	Frnch 340	X			X				Required in program
	Span 297	X		X		F	2010	21	Offered experimentally
	Span 354	X		X		F	2010	18	Offered experimentally
	Span 554	X		X					Adds Dual List to 354

College of Veterinary Medicine

2011-2012

I. SIGNIFICANT TRENDS:

The College of Veterinary Medicine is seeking to adopt a model of continuous curricular quality improvement informed by analysis of performance and satisfaction outcomes data. We strive for this to be a gradual process of improvement from one year to the next. Therefore, while have not introduced major changes in this catalog cycle (such as new majors, etc.), a number of the changes we have introduced are in response to outcomes data.

II. CURRICULA, MAJORS, MINORS ADDED OR DROPPED:

None.

III. NEW COURSES:

Biomedical Sciences

B M S 335 Molecular and Cellular Basis of Disease. (1-0). Cr. 1.

B M S 336 Veterinary Nutrition. (2-0). Cr. 2.

Veterinary Clinical Sciences

V C S 409 Oncology. Cr. 2. Repeatable, maximum of 4 credits.

V C S 441 Canine Rehabilitation. Cr. 1-2. Repeatable, maximum of 2 credits.

V C S 447 Equine Veterinary Diagnostic Skills. (3-0). Cr. 2. Repeatable, maximum of 2 times.

V C S 461 Advanced Small Animal Internal Medicine. Cr. 1.

Veterinary Microbiology and Preventive Medicine

V MPM 502 Microbial Genetics. Cr. 3.

Veterinary Pathology

V PTH 353 Introductory Parasitology. (3-3). Cr. 4.

V PTH 572 Anatomic Pathology II. (3-3). Cr. 4.

IV. COURSES DROPPED:

Biomedical Sciences

B M S 549 Advanced Vertebrate Physiology I. (3-0). Cr. 3.

B M S 552 Advanced Vertebrate Physiology II. (3-0). Cr. 3.

Veterinary Clinical Sciences

V C S 312 Veterinarian in Society II. (1-0). Cr. 1.

Veterinary Microbiology and Prevention Medicine

V MPM 587L Laboratory in Animal Virology. (0-3). Cr. 1.

Veterinary Diagnostic and Production Animal Medicine

VDPAM 311 Introduction to Food Animal Clinics. (1-1). Cr. 1.

VDPAM 402L Advanced Dairy Production Informatics Lab. Cr. arr.

V. NUMBER, CREDIT, AND TITLE CHANGES:

Biomedical Sciences

B M S 556 Contact Hrs to: (3-0).

Veterinary Clinical Sciences

V C S 457 Credit Hrs to: Cr. 2.

V C S 458 Credit Hrs to: Cr. 2.
 V C S 463 Title to: Primary Care.
 V C S 476 Title to: Animal Anesthesiology. Credit Hrs to: Cr. arr.

Veterinary Microbiology and Preventive Medicine

V MPM 409 Title to: Infectious Diseases of Wild Animals.
 V MPM 486 Credit Hrs to: Cr. 2.
 V MPM 565 Title to: Professional Practices in Science and Engineering.

Veterinary Diagnostic and Production Animal Medicine

VDPAM 477 Credit Hrs to: Cr. 2.
 VDPAM 479 Title to: Applied Swine Production Medicine Preceptorship.
 VDPAM 482 Title to: Applied Beef Production Medicine Preceptorship.
 VDPAM 485 Title to: Applied Dairy Production Medicine Preceptorship.

VI. COURSES ADDED FOR NONMAJOR GRADUATE CREDIT

VII. COURSES DROPPED FOR NONMAJOR GRADUATE CREDIT

VIII. SUMMARY OF CHANGES:

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

Summary of Changes					
Department	New	Dropped	Number	Credit	Title
BMS	2	2	0	0	0
VCS	4	1	0	3	2
V MPM	1	1	0	1	2
V PTH	2	0	0	0	0
VDPAM	0	2	0	1	3
Total College of Veterinary Medicine	9	6	0	5	7

XXI. Changes since Proposed Departmental Changes for General Review

XXII. JUSTIFICATION FOR NEW COURSES (attach Excel spreadsheet)

See attached spreadsheet.

Process:

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

December: Final approval by the Faculty Senate.

Summary Table

Department Name	Designator and Course Number	Nonmajor graduate credit		Required in Program		Experimental Offering			Justification for: •courses offered experimentally •not required in a program
		No	Yes	No	Yes	No	Term	Year	
Biomedical Sciences									
	BMS 335				X				Used in partial replacement of the prior requirement for Biochemistry
	BMS 336				X				Used to address student and alumni concerns with redundancy in biochemistry education and a lack of education in Nutrition
Veterinary Clinical Sciences	VCS 409			X					Provides students with a clinical experience in oncology
	VCS 441			X					Provides students with a clinical experience in rehabilitation
	VCS 447			X					Part of a grant-funded project to provide equine students with hands-on experience with a number of diagnostic skills
	VCS 461			X					Allows students with interest in small animal medicine to increase their ability in that area. An area identified as potential for strengthening in assessment data.
Veterinary Microbiology and Preventive Medicine									

	VMPM 502			X						This is an existing Micro course that is being cross-listed.
Veterinary Pathology	VPTH 353			X						This is an existing course cross-listed with BIOL and MICRO. -- Instructor for course is a VPTH faculty member, so major teaching department updated to reflect that.
	VPTH 572			X						This course is also VPTH 372 -- being dual listed for graduate credit as VPTH 572