Central Connecticut State University

Senate Motion Number _____

University Senate Motion

FS 04/07

23B

TO: President Jack Miller

FROM: President of the University Senate

~~March 2007 Curriculum~~

1. The attached motion of the University Senate, dealing with

March 2007 Curriculum Committee Report

is presented to you for your consideration. Two additional copies are included for your use.

2. This motion was adopted by the University Senate on _____

3. After considering this motion, please indicate your action on this form, and return it together with the original copy to the President of the University Senate.

4. Under the By-Laws of the University Senate, Section 3.8, the following schedule of action is to be observed.

a) By _____ (Date), Senate action reported to the President of University. (Within five school days of the session in which they are adopted).

b) By _____ (Date), President of the University to return the motion to the President of the Senate. (Within 10 school days of its receipt).

26 Mar '07 (Date)

AEA for T. Craine

President, University Senate (Tim Craine)

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ENDORSEMENT:

TO: President of the University Senate

FROM: President Jack Miller

1. Motion Approved ✓

2. Motion Disapproved _____

(Explanatory statement must be appended)

3. Action "is deferred" _____

4. Resolution Noted _____

5. Other _____

4/10/07

Date

President

FACULTY SENATE REPORT
CCSU CURRICULUM COMMITTEE
March 7, 2007

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| Department of Art | | | | | | |
| 1 | a | Course Revision | ART | 431 | Life Drawing I | Change number to: ART 332<br>Change prerequisite to : ART 230<br>Remove graduate credit |
| | b | Program Revision | | | Minor in Art | Change description to: 18 credits in Art are required and must include: Art 112 or Art 113; Art 130; Art 120 or 124<br>Remaining courses must be selected in consultation with the Art Department Advisor. |
| Department of Chemistry | | | | | | |
| 2 | a | Course Revision | CHEM | 116 | Introduction to Forensic Chemistry | Remove prerequisites.<br>Change credits to 3.<br>Change description to: The concepts of chemistry as applied to law. Emphasis will be placed on the utility and validity of scientific evidence and the techniques of chemical analysis as used in criminal investigations. Two hours of lecture and one two-hour laboratory per week. Intended for students with a criminology major or minor. No credit given to students with credit for CHEM 111. |
| | b | Course Revision | CHEM | 238 | Introduction to Research | Change prerequisite to: Chem 162 and Permission of instructor. |
| | c | Course Revision | CHEM | 250 | Basic Organic and Biochemistry | Change prerequisite to: CHEM 152 OR CHEM 163, 164 |
| | d | Course Revision | CHEM | 320 | Biophysical Chemistry | Change prerequisite to: CHEM 212; MATH 152; PHYS 122 or 126. |
| | e | Course Revision | CHEM | 322 | Physical Chemistry of Quantum & Statistical Mechanics | Change prerequisite to: CHEM 212, 301, PHYS 126, MATH 221.<br>Change credits to 3<br>Change description to: Quantum mechanics as applied to atomic and molecular structure. Introduction to symmetry concepts. Theory of rotational, vibrational, electronic, and magnetic resonance spectroscopies. Statistical foundations of thermodynamics. Three hours of lecture per week. |
| | f | Course Revision | CHEM | 402 | Instrumental Methods in | Change prerequisite to: CHEM 301 and CHEM 322 OR CHEM 320; or |

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| | | | | | Analytical Chemistry | admission to graduate studies. |
| | g | Course Revision | CHEM | 432 | Chemistry Seminar | Change prerequisite to: CHEM 320 or 321 or 322.<br>Change credits to: 2 |
| | h | Course Revision | CHEM | 438 | Undergraduate Research | Change prerequisite to: CHEM 213 and Permission of instructor. |
| | i | Course Revision | CHEM | 454 | Biochemistry | Change number to: CHEM 354<br>Change prerequisite to: CHEM 212 |
| | j | Course Revision | CHEM | 455 | Biochemistry Laboratory | Change prerequisite to: CHEM 213, 354<br>Change description to: Experimental work to accompany CHEM 354. One three-hour laboratory period per week. |
| | k | Course Revision | CHEM | 456 | Toxicology | Change prerequisite to: CHEM 212 |
| | l | Course Revision | CHEM | 458 | Advanced Biochemistry | Change prerequisite to: CHEM 354 or BMS 496 |
| | m | Course Revision | CHEM | 459 | Bioinorganic Chemistry | Change prerequisite to: CHEM 354 |
| | n | Course Revision | CHEM | 460 | Inorganic Symmetry & Spectroscopy | Change credits to: 3.<br>Change description to: Electronic structure and theories of bonding as they relate to the molecular structures, properties, and spectroscopy of inorganic compounds. Primary focus will be on the compounds of the d-block elements. Three hours of lecture per week. |
| | o | Course Reinstatement | CHEM | 462 | Inorganic Laboratory | 1 Credit, Spring (O)<br>Prerequisite: CHEM 460 or 461 (may be taken concurrently)<br>Description: Synthesis and characterization of inorganic compounds. Topics include air-sensitive manipulation, coordination chemistry and chemistry of materials. One three-hour laboratory per week. |
| | p | Course Revision | CHEM | 485 | Topics in Chemistry | Change prerequisite to: CHEM 320 OR CHEM 321 OR CHEM 322 |
| Department of Marketing | | | | | | |
| 3 | a | Course Revision | MKT | 295 | Fundamentals of Marketing | Change prerequisite to: Sophomore standing.<br>Change description to: Overview of marketing emphasizing customer satisfaction and value. Product, price, promotion, place, people and physical evidence of quality; consumer behavior; |

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| | | | | | | marketing research; segmentation-targeting-positioning; ethical, global, and societal issues are highlighted. |
| | f | Course Revision | MKT | 321 | International Marketing | Change cycling to: Fall |
| | g | Course Addition | MKT | 339 | Spatial Marketing | 3 Credits, Fall<br>Prerequisite: MKT 295 (C- or higher)<br>Description: Examines geo-spatial aspects of marketing. Customer location, competitor location and geo-demographics. Business GIS software is used to address: retail site location, predicting store sales potential and developing spatial advertising campaigns. |
| | h | Course Revision | MKT | 340 | Product Development & Management | Change number to MKT 390<br>Change prerequisite to: MKT 380<br>Change description to: Analytic methods and models used in practice to develop new products and services; step-by-step development process including: opportunity identification, concept generation, concept evaluation, development, launch, management over the life cycle. |
| | j | Course Revision | MKT | 359 | Special Events Marketing | Change cycling to Fall |
| | k | Course Revision | MKT | 375 | Services Marketing | Change prerequisite to: MKT 305 |
| | l | Course Addition | MKT | 380 | Market Data Analysis | 3 Credits<br>Prerequisite: STAT 201, MKT 373<br>Description: Theoretical foundations in consumer need identification, prospecting, segmentation, positioning, pricing, advertising, consumer purchase decision process. Use of ANOVA, factor, cluster, discriminant, and conjoint analysis, perceptual maps and experimental designs. |
| | n | Course Deletion | MKT | 401 | Marketing in Cyberspace | Recommend deletion. |
| | o | Course Revision | MKT | 413 | Business Marketing | Change title to: Business-to-Business Marketing |
| | p | Course Revision | MKT | 423 | Marketing Research | Change number to: MKT 373<br>Change prerequisite: MKT 295, STAT 201 with grades of C- or higher; MKT 305 (may be taken concurrently). |
| | q | Course Revision | MKT | 430 | Sales Technique & Training | Change number to MKT 481<br>Change title to: Consultative Selling |

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| | | | | | | Techniques<br>Change prerequisite to: MKT 305 or permission of instructor.<br>Change description to: Integrate theory and application of the consultative sales process with counselor style selling techniques emphasizing internalization of selling skills for business to business marketing employing lecturing, modeling, role playing and coaching. Also studied are sales careers, CRM systems and applied psychology for selling. |
| | r | Course Addition | MKT | 444 | Direct Marketing Analytics | 3 Credits, Spring<br>Prerequisite: MKT 373<br>Description: Students learn SAS programming, advanced statistical application, and marketing analytics as used in the direct marketing industry. Specific applications include: customer profiling, geographic segmentation and customer response modeling. |
| | w | Program Revision | | | Marketing | Change description to:<br>Marketing Core (12 credits) Credits<br>MKT 305 Consumer Behavior 3<br>MKT 373 Marketing Research 3<br>MKT 380 Market Data Analysis 3<br>MKT 450 Marketing Strategy and Plan 3<br>Directed Marketing Electives (12 credits)<br>The directed electives are selected with and approved by an advisor.<br>MKT 306 Advertising and Promotion 3<br>MKT 307 Sales Administration 3<br>MKT 311 Retailing 3<br>MKT 321 International Marketing 3<br>MKT 339 Spatial Marketing 3<br>MKT 350 Internet Marketing and Channels 3<br>MKT 358 Relationship Marketing 3<br>MKT 359 Special Events Marketing 3<br>MKT 375 Services Marketing 3<br>MKT 390 Product Development and Management 3<br>MKT 413 Business-to-Business Marketing 3<br>MKT 415 Marketing Touristic Startups 3<br>MKT 439 Direct Marketing 3<br>MKT 444 Direct Marketing Analytics 3<br>MKT 470 Integrated Marketing Communication 3<br>MKT 480 Marketing for Non-Profit Organizations 3 |

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| | | | | | | MKT 481 Consultative Selling Techniques 3<br>MKT 494 Independent Study in Marketing 3<br>MKT 496 Practicum in Marketing 6<br>MKT 497 Marketing Internship 3<br>MKT 498 Marketing Topics 3<br>Business Electives (9 credits)<br>Students must complete 9 credits of 300-or 400-level courses offered by the School of Business, including Marketing courses. |
| Department of Music | | | | | | |
| 4 | a | Course Reinstatement | MUS | 100 | Search in Music | 3 credits, Irregular<br>Description: Introduction to and overview of various topics, techniques, and genres in music history and/or theory. Titles and themes may vary from section to section. Three hours of lecture per week.<br>Study Area I credit |
| | b | Course Revision | MUS | 211 | Ethnomusicology | Change prerequisite to: MUS 121 or MUS 109 for music majors |
| Department of Nursing | | | | | | |
| 5 | a | Course Addition | NRSE | 110 | Introduction to Nursing Theories | 3 Credits, Fall<br>Description: Students will explore current and historical nursing, health, behavior, aging and other theories as they relate to nursing. |
| | b | Course Addition | NRSE | 150 | Nutrition | 3 Credits, Spring<br>Prerequisites: CHEM 150, BIO 111 or BMS 102 (may be taken concurrently)<br>Description: Emphasizes basic normal nutrition across the lifespan and the current guidelines for maintaining wellness through healthy eating. The interconnectedness of nutrition and health or disease is stressed and an introduction to nutritional therapy is included. Nursing application of nutritional knowledge is the primary focus of this course. CHEM 152 should be taken concurrently. |
| | c | Course Addition | NRSE | 210 | Health Assessment | 4 Credits, Fall<br>Prerequisites: Admission to the Professional Program in Nursing; PSY 236<br>Description: Provides the theoretical knowledge and skills necessary to perform a comprehensive health assessment including comprehensive history taking, interviewing, and |

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| | | | | | | assessment techniques. |
| | d | Course Revision | NRSE | 246 | Health Care Ethics | Change cycling to: Irregular<br>Change prerequisites to: Admission to the Professional Program in Nursing or permission of instructor.<br>Change description to: Introduction to basic ethical theories and principles and their application to contemporary health care issues. Discussion will focus on issues connected with confidentiality, competency, research, experimentation, allocation of scarce resources as well as those connected with elderly and other vulnerable populations. |
| | e | Course Addition | NRSE | 250 | Nursing Care of Well Populations | 4 Credits, Spring<br>Prerequisites: Admission to the Professional Program in Nursing; NRSE 210<br>Description: Focus on well populations. The nursing role in promotion of health, prevention of disease and encouragement of healthy behaviors in populations across the lifespan is emphasized. 66 hours of clinical experience in community/community based settings required. |
| | f | Course Addition | NRSE | 310 | Pharmacology | 4 Credits, Fall<br>Prerequisites: Admission to the Professional Program in Nursing; BIO/BMS 318 & 319;Corequisites NRSE 303 and NRSE 320<br>Description: Introduction to basic pharmacologic principles that apply to all drugs across the lifespan along with a review of biologic systems that are affected and influenced by the various drug families. Emphasis will be placed on nursing measures that support desired drug responses or reduce side effects which must be tolerated, and on client teaching indicated by pharmacotherapy. Laboratory included. |
| | g | Course Addition | NRSE | 320 | Care of Adults With Health Alterations | 4 Credits, Fall<br>Prerequisites: BMS 216; co-requisites NRSE 303 and NRSE 310.<br>Description: Care of adults with specific alterations in body systems as well as common problems encountered including inflammation, infection, cancer, pain, sleep disorders, substance abuse, fluid and electrolyte imbalance, acid-base imbalance, and shock. Perioperative nursing content (pre-, |

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| | | | | | | intra- and postoperative care) is included along with special attention to emergency and home care. Sixty-six hours in an on and off campus clinical site required. |
| | i | Course Addition | NRSE | 350 | Care of Women and Children | 8 Credits, Spring<br>Prerequisites: Admission to the Professional Program in Nursing; NRSE 303, NRSE 310; NRSE 320. Co-requisite: BIO 412<br>Description: Focuses on preparing the student to care for childbearing/child rearing families. Concepts from the biological sciences and social sciences are integrated. One hundred and thirty two hours in a clinical site required. |
| | j | Course Addition | NRSE | 400 | Nursing Externship | 3 Credits, Summer<br>Prerequisites: Admission to the Professional Program in Nursing; NRSE 350, NRSE 246, BIO 412.<br>Description: Integrates practice and education through health care based service model and collaborative partnerships to enhance clinical nursing competence, confidence and skills. Total of 99 clinical hrs. off campus. |
| | k | Course Addition | NRSE | 420 | Public/Community Health Nursing I | 3 Credits, Fall<br>Prerequisites: Admission to the Professional Program in Nursing, NRSE 400. Co-requisites: NRSE 430 and NRSE 440.<br>Description: Integration, analysis and synthesis of comprehensive theoretical concepts of holistic care of populations, families, aggregates, and individuals across the life span. |
| | l | Course Addition | NRSE | 430 | Psychiatric/Mental Health Nursing | 4 Credits, Fall<br>Prerequisites: Admission to the Professional Program in Nursing; NRSE 400. Co-requisites: BMS 206, NRSE 420, NRSE 440.<br>Description: Integrates behavioral, biological, genetic, psychosocial, cultural, environmental, and religious influences on mental health across the life span. Promotion of health, disease prevention, and adaptation to health deviations will be emphasized. 66 Clinical hrs on and off campus. |
| | m | Course Addition | NRSE | 440 | Gerontological Nursing | 3 Credits, Fall<br>Prerequisites: Admission to the Professional Program in Nursing, PS110; Co-requisites: NRSE 420 and |

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| | | | | | | NRSE 430.<br>Description: The process of aging is examined in terms of values and attitudes toward older citizens. All levels of health will be examined including successful aging, health promotion, disease prevention, acute/chronic illness, limitation of disability and end of life care. 50 off campus clinical hours required. |
| | n | Course Addition | NRSE | 460 | Public/Community Health Nursing II | 3 Credits, Spring<br>Prerequisites: Admission to the Professional Program in Nursing; NRSE 420.<br>Description: Clinical practicum in community and community based settings. Emphasis is on application of NRSE 420 concepts, leadership, delegation, health promotion and complex care supported by research for evidence based practice. 99 clinical hours off campus. Taken concurrently with NRSE 470. |
| | o | Course Addition | NRSE | 470 | Care of Criticall Ill Adults | 4 Credits, Spring<br>Prerequisites: Admission to the Professional Program in Nursing; BIO 412, NRSE 430, NRSE 440.<br>Description: Introduction to fundamental concepts and tools associated with critical care nursing with the goal of addressing the nursing management of patients with various alterations in body systems. Emphasis on respiratory, cardiovascular, neurological, gastrointestinal, endocrine, immunological, integumentary, and renal functions. 66 clinical hours on and off campus. Taken concurrently with NRSE 460. |
| | p | Course Addition | NRSE | 480 | Professional Issues | 2 Credits, Spring<br>Prerequisites: Admission to the Professional Program in Nursing; NRSE 420, NRSE 430, NRSE 440.<br>Description: Synthesis of professional nursing practice from the analysis of selected ethical, social, political, professional role issues and related field experiences. Taken concurrently with NRSE 490. |
| | q | Course Revision | NRSE | 490 | Health Care Management | Change cycling to: Spring<br>Change title to: Leadership & Management in Nursing<br>Change prerequisites to: Admission to the Professional Program in Nursing, |

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| | | | | | | NRSE 420, NRSE 430, NRSE 440. Change description to: Concepts and practices of management needed by healthcare clinicians to fulfill managerial responsibilities for the quality of care for patients, for caregivers, and organizations. Emphasis on leadership, role modeling, group dynamics, and staff motivation. Taken concurrently with NRSE 480. |
| | r | Program Addition | | | Bachelors of Science (BSN) in Nursing | The Bachelor of Science in Nursing (BSN) requires 130 credits. The Nursing major requires 61 credits as follows:<br>NRSE 110 Introduction to Nursing Theories 3 credits<br>NRSE 150 Nutrition 3 credits<br>NRSE 210 Health Assessment 4 credits<br>NRSE 246 Health Care Ethics 3 credits<br>NRSE 250 Nursing Care of Well Populations 4 credits<br>NRSE 303 Introduction to Nursing Research 3 credits<br>NRSE 310 Pharmacology 4 credits<br>NRSE 320 Care of Adults with Health Alterations 4 credits<br>NRSE 350 Care of Women and Children 8 credits<br>NRSE 400 Nursing Externship 3 credits<br>NRSE 420 Public/Community Health Nursing I 3 credits<br>NRSE 430 Psychiatric/Mental Health Nursing 4 credits<br>NRSE 440 Gerontological Nursing 3 credits<br>NRSE 460 Public/Community Health Nursing II 3 credits<br>NRSE 470 Care of Critically Ill Adults 4 credits<br>NRSE 480 Professional Issues 2 credits<br>NRSE 490 Leadership and Management in Nursing 3 credits<br>Students must also complete the following 31 credits of related requirements:<br>PSY 236 Life Span Development 3 credits<br>BIO 111 Introductory Biology or BMS 102 Intro to Biomolecular Sciences 3 credits<br>CHEM 150 Chemistry of Allied Health I 3 credits<br>CHEM 152 Chemistry of Allied Health II 4 credits<br>BMS 206 Genetics for Nurses 3 credits<br>BMS 216 Microbiology 4 credits |

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| | | | | | | BIO/BMS 318 Anatomy and Physiology I 4 credits<br>BIO/BMS 319 Anatomy and Physiology II 4 credits<br>BIO 412 Human Physiology 3 credits<br>In addition, students must complete the following 18 credits as part of the University General Education requirements:<br>COMM 140 Public Speaking or COMM 115 Fundamentals<br>Of Communication 3 credits<br>CS XXX (Informatics; to be created) 3 credits<br>PS 110 American Government 3 credits<br>PSY 112 General Psychology 3 credits<br>SOC 110 Introduction to Sociology 3 credits<br>STAT 215 Statistics for the Behavioral Sciences or<br>STAT 108 Statistics 3 credits |
| Counseling & Family Therapy | | | | | | |
| 1 | a | Course Addition | CNSL | 598 | Research Methods in Counseling | 3 Credits, Fall<br>Prerequisites: Admission to M.S. in Counseling Education or permission of Department Chair.<br>Description: Quantitative and qualitative research design, data analysis, and interpretation for counseling and rehabilitation disciplines. Not open to students in specialization of School Counseling. |
| | b | Course Addition | MFT | 598 | Research Methods in Marriage and Family Therapy | 3 Credits, Spring<br>Prerequisite: Admission to M.S. in MFT Graduate program or permission of Department Chair.<br>Description: Quantitative and qualitative research design, data analysis, interpretation, and program evaluation methods related to marriage and family therapy. |
| Engineering | | | | | | |
| 2 | a | Course Revision | ETC | 353 | Introduction to Surveying | Change cycling to Fall.<br>Change Prerequisite to: MATH 115 or 119<br>Change description to: Application of survey instruments to perform measurements for design and construction. Use of survey instruments to measure elevations, distances, and angles; and application of survey mathematics to calculate locations, areas, earthwork, and roadway curves. |

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| | | | | | | (Lecture/Laboratory course). |
| | d | Course Revision | ME | 345 | Engineering Statistical Analysis of Operations | Change Prerequisite to: MATH 226 |
| | e | Course Revision | ME | 354 | Fluid Mechanics | Change Prerequisite to: ENGR 251, ME 258 and MATH 355. |
| | f | Course Revision | ME | 403 | Mechanical Systems and Control | Change Prerequisite to: MATH 355, ENGR 252 |
| | g | Course Addition | ME | 452 | Mechanical Vibrations | 3 Credits, Irregular<br>Prerequisites: ENGR 252 and MATH 355<br>Description: Modeling and analysis of vibrating systems, characteristics of single degree and multiple degrees of freedom systems. Modal analysis and synthesis, vibration control by isolation, absorption, or balancing. Applications of computer simulation and analysis techniques in vibrations. |
| | h | Course Revision | ME | 454 | Heat Transfer | Change Prerequisite to:MATH 355 and ME 354. |
| | i | Course Revision | ME | 486 | Aerospace Structures and Materials | Change Prerequisite to:MATH 226, ENGR 257. |
| | k | Program Revision | | | B.S. in Mechanical Engineering | Change description to: The Bachelor of Science in Mechanical Engineering is a program of study requiring 127-135 credits of undergraduate work including a two term senior project capstone requirement completed through oral and written reports. If desired, the candidate may also choose an appropriate sequence of elective courses for specialization in Manufacturing, or Aerospace.<br><br>Required coursework can be grouped into four categories: General Education, Major Requirements, Electives or Specialization Requirements, and Additional Requirements.<br><br>I. General Education: (42-49 total credits)<br>NOTE: Distribution requirements are similar to the existing Engineering Technology General Education requirements.<br>Study Area I (L) (PHIL or FA) (L, PHIL or FA) 9<br>Study Area II (History) (Elective) 6<br>Study Area III (Elective) 3 |

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| | | | | | | Study Area IV (PHYS 125, PHYS 126) 8<br>Skill Area I (ENG 110, COMM 140) 6<br>Skill Area II (MATH 152, MATH 221) 8<br>Skill Area III 0-6<br>Skill Area IV (PE 144 or ENGR 150) 2-3<br><br>II. Major Requirements (34-37 credits):<br>ENGR 150, ENGR 251 ENGR 252, ENGR 257, ME 216, ME 258, ME 345, ME 354, ME 367, ME 370, ME 454 ME 497, ME 498<br><br>III. Electives or Specialization Requirements (12 credits)<br><br>Electives - 3 ME Electives, 1 Tech Elective<br>Manufacturing: MFG 226, ME 360, ME 460, ME 466<br>Aerospace: ME 403, ME 480, ME 483, ME 486<br><br>IV. Additional Requirements (38 credits):<br>CET 236, CHEM 161, CHEM 162, CHEM 163, CHEM 164, CS 151, ENG 403, ETM 260, ETM 356, ETM 467, MATH 222, MATH 226, MATH 355, and Proof of 400 hours professional experience. |
| English | | | | | | |
| 3 | b | Course Addition | ENG | 583 | Teaching Writing Across the Curriculum | 6 Credits, Summer<br>Prerequisite: Acceptance to the Central Connecicut Writing Project (CCWP)<br>Description: Participants explore research-based approaches to the teaching of writing, present successful teaching strategies in the area of writing across the curriculum, and write extensively in different genres. The emphasis is on personal and professional writing. Only 3 credits may be counted towards the Masters in English or Reading and Language Arts with the permission of the CCWP director and advisor.<br>Cross listed as RDG 583 |
| Management Information Systems | | | | | | |
| 4 | a | Course Revision | MIS | 305 | E-Business | Change prerequisite to: MIS 201 or permission of department chair. |
| | b | Course Revision | MIS | 315 | Database Management Systems | Change prerequisite to: MIS 201 or permission of department chair. |
| | c | Course Revision | MIS | 361 | Systems Analysis and | Change prerequisite to: MIS 201 or permission of department chair. |

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| | | | | | Design for Business | |
| | d | Course Revision | MIS | 400 | Business Decision Analysis Using Knowledge Bases | Change prerequisite to: MIS 201 or permission of department chair. |
| | e | Course Revision | MIS | 410 | Business-Driven Network Design | Change prerequisite to: MIS 361 or permission of department chair. |
| | f | Course Revision | MIS | 450 | Enterprise Strategies and Transformations | Change prerequisite to: MIS 361 or permission of department chair. |
| Women, Gender and Sexuality Studies Program | | | | | | |
| 5 | | Program Revision | | | Minor in Women's Studies | Change description to: 18 credits with at least nine credits on the 300-400 level. Students whose needs are not met by available courses may take up to three credits of independent study (WGSS 469), three credits of internship (WGSS 430), and three credits of WGSS 390: Topics in Women, Gender and Sexuality Studies, pending approval of the appropriate department chair and the Women, Gender and Sexuality Studies coordinator. At least one course (three credits) must be taken from three of the four areas listed:<br>Courses, which may also have WGSS designators, include WGSS 200, and 15 credits from Theoretical (PHIL 222, WGSS 400), Historical (ISCI 118, HIST 330, HIST 331, HIST 335), Cultural (ANTH 350, COMM 435, ENG 215), Social (PS 241, PSY 448, PSY 390, SOC 240, SOC. 350, SOC. 445).<br><br>The following topics courses will apply if the topic is approved by the Women, Gender and Sexuality Studies Advisory Committee: Theoretical (PHIL 100, PHIL 382); Cultural (ART 490, ENG 288, ENG 448, ENG 458, ENG 488, HUM 250); Social (COMM 495, PSY 498). |
| Physics and Earth Sciences | | | | | | |
| 6 | | Course Revision | ESCI | 218 | Women's Contributions to Stellar and Galactic | Change Number to: ISCI 118<br>Change prerequisite to: Math 099 or permission of instructor<br>Change description to: Exploration of discoveries made by women scientists, |

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| | | | | | Astronomy | including their methodology, consequences, and the social constraints placed upon them. Two lectures and one two-hour laboratory period per week. |