TO: Faculty Senate
FROM: Mark Jackson, Chair of the University Curriculum Committee
Date: 4/14/2013

Curriculum report on items from the <u>March 2014</u> agenda

On April 2, 2014, the Curriculum Committee met and approved the following items from the March Curriculum Agenda. I submit these items for the approval of the Faculty Senate at its meeting on Monday, April 14, 2014.

Minor changes:

a) Starting with the semicolon, strike the remainder of the last sentence in the description

> ECON 416 Quantitative Methods in Economics 3
>
> Prereqs: ECON 200, ECON 201 and STAT 215
>
> Introduction to quantitative techniques widely used by economists. Topics include various methods of applied statistics that facilitate the understanding of economic literature and the pursuit of empirical research.~~; elements of probability, correlation, multiple regression, factor analysis, and hypothesis testing~~.

b) Add Bio 200 as an optional prereq to BMS 306 Genetics, and remove the last sentence fragment

> **BMS 306 Genetics 3**
> Prereq.: BMS 201 or Bio 200 or permission of the department chair, and CHEM 161 and CHEM 162 or CHEM 121. Historical development of basic principles and modern concepts of genetics. Integrated survey of each of the major fields of genetics is presented. ~~Three hours of lecture and one.~~

c) Change title of PHIL 346 from "Ethical Theory" to "Theoretical and Practical Ethics"

d) CS 113: change "No credit given to students with credit for CS 151, 213 or MATH 446, 471" to "Does not count towards the Computer Science major."

e) CS 213: change "No credit given to students with credit for CS 151" to "Does not count towards the Computer Science major."

f) CS 254: delete "No credit given to students with credit for MATH 472."

   a. Note: Math 472 no longer exists

Regular agenda:

	Computer Science	
1.1	**Course Revision** CS 210 Computing and Culture Change description to: Evolution of computing from early data processing to global networking. Examination of how society has accepted and transformed role of digital technology within its cultures and institutions. Emphasis on human-computer interaction, electronic communities, and examples of their applications. Online resources will be used. Does not count towards the Computer Science major. Skill Area IV	
1.2	**Course Addition** CS 225 Human-Computer Interaction **Proposed Prereqs:** CS 151, CS 152 **Proposed Description:** Introduction to human-computer interaction (HCI). Introduces tools, techniques, and sources of information about HCI and provides a systematic approach to designing working prototypes. Increases appreciation of good design through observation of existing technology, and teaches the basic skills of task analysis, and analytic and empirical evaluation methods. 3 credits	
1.3	**Course Revision** CS 492 Computer Security Prereqs: CS 253 and CS 254**,** or Permission of Department Chair, or admission to a graduate program in CIT. CS 501 and CS 502 are prerequisites for graduate students**.** Add GR credit	

Educational Leadership	
2.1	**Course Revision** [EDL 594 Practicum I in Educational Leadership](#) 3 credits Prereqs: Completion of ED 517, ED 540, ED 598, EDL 523, EDL 524, EDL 555. With the approval of the department chair, one prerequisite may be taken with the field experience. Part one of a two-semester supervised practicum in educational leadership. Students initiate action plans, document collaborative initiatives, and implement curriculum, instructional and organizational change strategies promoting equitable outcomes for all students. GR	
2.2	**Course Revision** [EDL 595](#) [Practicum II in Educational Leadership](#) 3 credits Prereqs: EDL 594 Part two of a two-semester supervised practicum in educational leadership. Students complete action plans to document collaborative initiatives, and evaluate curriculum, instructional, and organizational change strategies being implemented to promote equitable outcomes for all students.	
2.3	**Course Revision** [ED 515 Professional Ethics and Law for Teachers](#) Change title to: Professional Ethics and Law for Educators and Scholars	
2.4	**Course Deletion** [EDT 533 Distance Learning & Networking II](#)	
2.5	**Course Revision** [EDL 681 The Superintendency I: Leading District Operations](#) Change title to : District Leadership: Governance/Leadership Issues Completion of requirements for 092 certification and/or permission of the Department Chair. This develops an understanding of the governance and leadership functions	

	shared by Boards of Education and Central Office personnel. Attention will focus on the legal obligations of Boards of Education, issues related to governance of schools, the delineation of functions between Boards of Education and Central Office administrators, and the evolving nature of leadership	
2.6	**Course Revision** EDL 682 The Superintendency II: Board & Public Relations Change title to : District Leadership: Student Matters Prereq: EDL 681 or permission of the Department Chair. Develops an understanding of the role of the central office with respect to the delivery of educational services to students, Including the leadership roles of the superintendent, the central office and the Board of Education in developing an organizational learning culture designed to improve student achievement. Student maters include student rights, extra-curricular activities, disciplinary issues, Special Education, cultural diversity and alternative education.	
2.7	**Course Addition** EDL 683 District Leadership: Personnel/Operations Issues 3 credits EDL 682 or permission of the department chairperson. Develops an understanding of employee relations and the support functions maintained by Boards of Education. Areas of focus will include contract negotiations, bargaining unit relationships, and the hiring, retention, and termination of staff. Operational topics will include finance, facilities, transportation, technology and food services.	
2.8	**Program Revision** ADVANCED OFFICIAL CERTIFICATE PROGRAM IN SUPERINTENDENT OF SCHOOLS **15 credits** The program is designed for educational professionals seeking certification as a School District Superintendent (093). The core program consists of three courses on theory, research, and practice (EDL 681, EDL 682, and EDL 683) and two courses on district level practices (EDL 695 and EDL 696). Candidates complete 15 semester hours as mandated by State Department of Education. Courses to be approved by advisor are dependent on students prior coursework.	

Engineering		
3.1	**Course Revision** [ETM 497 Engineering Technology Senior Project Research](#) **Change prereqs to:** ET 361 and ETM 462 (both may be taken concurrently) for Manufacturing Technology Students; ET 361 and ETM 367 (both may be taken concurrently) for Mechanical Engineering Technology Students	
3.2	**Course Revision** [ME 483 Aerodynamics](#) **Change prereqs to:** MATH 222 and ME 354 (C- or higher)	
Modern language		
4.1	**Course Revision** FR 315 Aspects of French History and Culture **Change title to**: Aspects of Francophone Cultures **Change description to:** Study Area II [I]. Taught in French. Topics include relevant features of French speaking countries, with emphasis on physical and political geography, history, and culture. **Change cycling to**: Irregular	
Music		
5.1	**Course Revision** [MUS 101 Practicum in Music Education](#) Change description: Overview of topics related to a career in music education. Includes case study	

	analysis, discussion of issues in music education, observations and reflections on classroom teaching and rehearsals, and laboratory in music education technology. Twelve hours of field experience required.	
Phys Ed		
6.1	**Course Revision** EXS 207 Anatomy and Physiology in Exercise Science I Change from 4 to 3 credits (remove lab) Explores human structure and function of the musculoskeletal, integumentary, articular, nervous systems related to exercise. EXS 211 Lab must be taken concurrently for exercise science, athletic training, and pre-nursing majors.	
6.2	**Course Addition** EXS 211 Anatomy and Physiology in Exercise Science I Laboratory 1 credit BIO 111 or BIO 121 or BMS 102 or BMS 111 (any with C- or higher). Open to exercise science, athletic training, physical education and pre-nursing majors only. Explores hands-on examination of the skeletal system, integumentary and bone histology, anatomical planes of movement, and the articular and muscle origin and insertions. EXS 207 must be taken concurrently for exercise science, athletic training, and pre-nursing majors	
6.3	**Course Revision** EXS 208 Anatomy and Physiology in Exercise Science II Change from 4 to 3 credits (remove lab) Explores human structure and function of the cardiovascular, respiratory, digestive, urinary, reproductive, and endocrine systems related to exercise. EXS 212 Lab must be taken concurrently for exercise science, athletic training, and pre-nursing majors.	
6.4	**Course Addition** EXS 212 Anatomy and Physiology in Exercise Science II Laboratory 1 credit	

	BIO 111 or BIO 121 or BMS 102 or BMS 111; CHEM 111, or CHEM 150, or CHEM 161 (any with C- or higher). Open to exercise science, athletic training, physical education and pre-nursing majors only. Explores measurement of physiological variables in the nervous, respiratory, cardiovascular, and skeletal muscle systems. EXS 208 must be taken concurrently for exercise science, athletic training, and pre-nursing majors.	
6.5	**Course Deletion** EXS 213 Anatomy and Physiology in Human Performance I	
6.6	**Course Deletion** EXS 214 Anatomy and Physiology in Human Performance II	
Physics/Earth Sciences		
9.1	**Program Revision:** Major in Earth Sciences with Specialization in Earth Sciences, BS (Non-teaching, 36 credits) **Change title to:** Major in Earth Sciences, BS (Non-teaching, 36 credits)	
9.2	**Program Revision:** Major in Earth Sciences with Specialization in Geology, BS (Non-teaching, 36 credits) **Change title to:** Major in Geology, BS (Non-teaching, 36 credits)	
9.3	**Program Revision:** Major in General Science: Specialization in Biology or Earth Sciences (Certifiable for elementary education, 39-42 credits) Core Requirements (23-27 credits) Science (3 credits) SCI 111 Elementary Earth and Physical Science 3 Physics (3-4 credits) PHYS 111 Introductory Physics I 3 or PHYS 121 General Physics I 4 Chemistry (4 credits) CHEM 161 General Chemistry I 3 CHEM 162 General Chemistry I Lab 1	

Biology (6-8 credits) Choose one sequence (A or B*)
*Sequence B is required for Biology Specializations

Sequence A
BIO 211 Concepts in Biology 3
and
BIO 111 Introductory Biology 3
or
BIO 132 Introductory Ecology 3

Sequence B
BIO 121 General Biology I 4
and
BIO 122 General Biology II 4

Earth Science (7-8 credits)
Choose one sequence below (A, B, or C)

Sequence A
ESCI 129 Introduction to Meteorology 4
ESCI 113 The Cosmos 3

Sequence B
ESCI 121 The Dynamic Earth 3
ESCI 125 The Dynamic Earth Lab 1
ESCI 141 Earth and Life History 3
ESCI 145 Earth and Life History Lab 1

Sequence C
ESCI 131 Environmental Geoscience 3
ESCI 135 Environmental Geoscience Lab 1
ESCI 141 Earth and Life History 3
ESCI 145 Earth and Life History Lab 1

Specialization in Biology or in Earth Science:
A minimum of 18 credits in either specialization below, including 6-8 credits
in the core of the specialization

Specialization in Biology-Core
Biology Sequence B from the core requirements is mandatory for biology
concentrations.
BIO 200 General Biology III 4

Choose BIO electives at the 300 or 400 level—6 to 11 credits as needed to
reach 39 credits

	Specialization in Earth Science	
	For those who completed Earth Science Sequence A	
	ESCI 121 The Dynamic Earth 3 ESCI 125 Dynamic Earth Lab 1 OR ESCI 131 Environmental Geoscience 3 ESCI 135 Environmental Geoscience Lab 1 And ESCI 141 Earth and Life History 3 ESCI 145 Earth and Life History Lab 1	
	For those who completed Earth Science Sequence B or C	
	ESCI 129 Introduction to Meteorology 4 ESCI 208 Planetary Astronomy 4	
	Choose ESCI electives at the 300 or 400 level—3 credits as needed to reach 39 credits	

MBA

10.1	**Course Addition** [BUS 544 Business Process Modeling](#) 3 credits Admission to MBA program or permission of MBA director Enterprise wide perspective on business processes. Modeling of business processes: analyzing, documenting, and assessing the efficiency and effectiveness of business processes. Improvement of business processes to minimize cost and maximize value creation.	
10.2	**Course Addition** [BUS 542 Web Analytics](#) 3 credits Admission to MBA program or permission of MBA director. Exploring key concepts and best practices of web analysis. Using web analytic tools and techniques to learn how web analytics can drive higher profits,	

	improve customer experience, and create measurable value for businesses.	
10.3	**Course Addition** BUS 540 Business Intelligence and Analytics Admission to MBA program or permission of MBA director. Transforming enterprise-wide data into meaningful and useful information for business decision making using business intelligence (BI) and business analytics (BA) tools and technologies. Examining industry use of BI/BA to achieve competitive edge.	
10.4	**Course Addition** AC 548 Contemporary Accounting Topics AC 531 or permission of the MBA Director Seminar course that provides a critical understanding of contemporary accounting topics. Subjects covered will vary from semester to semester. May be repeated with different topics for a maximum of 6 credits.	
10.5	**Course Addition** AC 546 Advanced Forensic Accounting AC 531 or permission of the MBA Director In depth coverage of the most common fraud schemes including how they work, how they can be prevented, detected and investigated. Includes the use of digital analysis. Covers legal issues associated with fraud investigation and expert witnessing.	
10.6	**Course Addition** AC 544 Financial Statement Analysis and Valuation AC 531 or permission of the MBA Director How to extract and synthesize information from financial statements for investing in business and how to conduct fundamental analysis to determine the underlying value of the firm. Students should have knowledge of financial accounting and valuation theory	
10.7	**Course Addition** AC 542 Tax Issues in Business Decisions AC 531 or permission of the MBA Director. The implications that taxation has on business operations, investment decisions, and financial statements. Practical tools to identify, understand, and	

	evaluate tax planning opportunities.	
10.8	**Course Addition** AC 540 Global Financial Reporting and Analysis AC 531 or permission of the MBA Director or Department Chair. A holistic view of the global financial reporting framework and financial statement analysis in a global corporate context.	
10.9	**Course Addition** BUS 580 Applied Business Research Completion of core requirements; at least three specialization courses or permission of MBA director Requires students to use business knowledge and leadership skills to tackle an important challenge facing a company or organization. Students are required to form teams of 3-4 and identify a company and faculty advisor(s).	
10.10	**Course Addition** MGT 531 Managing and Leading in the Contemporary Organization Admission to MBA program or permission of MBA director Introduces and applies self-management, small group dynamics and leadership theories and techniques. Provides both a theoretical and practical basis on leadership. Students are expected to practice the course content through self-defined projects, typically in their workplace.	
10.11	**Course Addition** MIS 531 Strategic IT Alignment Admission to the MBA program or permission of MBA Director Enterprise-wide perspective on IT leadership. Focuses on how IT professionals, non-technical managers, and external service providers work together to ensure that applications, data, and knowledge align with organizational strategy and business processes.	
10.12	**Course Addition** MKT 531 Strategic Marketing Admission to the MBA program or permission of MBA Director Expands the application of marketing fundamentals concepts from tactical to strategic level decision making. Provides experiences in creating customer-driven and market-driven strategies for a firm's success, and in determining	

	what each marketing mix element contributes to the goals of the business unit..	
10.13	**Course Addition** FIN 531 Corporate Finance Admission to the MBA program or permission of the MBA Director The basics of the corporate financial decision-making process. Provides a framework, concepts, and tools for analyzing financial decisions based on fundamental principles of modern financial theory	
10.14	**Course Revision** AC 531 Accounting Information for Decision Making Admission to MBA program or permission of MBA director Explores the use of financial accounting information to support decision-making, the effects of external financial reporting on business and investment decisions, and the use of financial and managerial accounting information to manage costs and evaluate performance throughout the organization.	
10.15	**Course Addition** LAW 500 Business Law and the Legal Environment Legal principles affecting management, marketing, accounting, finance and technology. Review of the social responsibility of business, constitutional and administrative law, torts, contracts, commercial transactions, agency, business organizations and bankruptcy.	
10.16	**Course Addition** FIN 500 Managerial Finance A fundamental understanding of the basic principles, concepts and analytical tools of finance. Emphasizes corporate decision-making and skills applicable to personal finance and small business decision making.	
10.17	**Course Addition** AC 500 Financial and Managerial Accounting Concepts An introduction to financial and managerial accounting concepts and principles. Provides overview of how financial accounting information is gathered and reported, the structure and content of financial statements, and the use of financial and managerial accounting information for planning, performance evaluation, and decision-making.	

10.18	**Course Addition** [MIS 500 Management Information Systems](#) Use of information systems and technology to improve organizational performance, collaborative work, and personal productivity. Leadership skills in guiding personnel through technology-driven change.	
10.19	**Course Addition** [MGT 500 Management of Contemporary Organizations](#) Focuses on learning the structure and process of complex and dynamic contemporary organizations. Students will also develop skills and knowledge needed to successfully manage employees in such organizations.	
10.20	**Course Addition** [MKT 500 Marketing Management](#) Investigates activities planned by a firm to create and enhance customer value. Examines strategies that integrate the market place, competitive environment and core competencies of the firm to acquire and retain customers.	