

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

Curriculum Report on items from the February 2014 agenda

On April 2, 2014, the Curriculum Committee met and approved the following items. These items were from the February 2014 agenda, but the final vote for all items was postponed to April 2 because of the failure to meet a quorum at the March 5, 2014 full curriculum meeting. On behalf of the Curriculum Committee, I submit these items for the approval of the Faculty Senate at its meeting on Monday, April 14, 2014.

D-Designation only		
1.1	<p><u>SPAN 441 Cross-Cultural Communication</u></p> <p>Open only to non-native speakers of Spanish. Development of fluency in oral expression. Speech analysis and phonetic theory to improve pronunciation and intonation. Introduction to problems of translation, enhancement of oral competence, and development of cross-cultural understanding.</p> <p>Applying for D-designation for Rocio Fuentes, Spring 2015.</p>	
Special Proposal		
2.1	<p>To strike the sentence that begins “In this study area...”, which is found in parentheses and precedes the detailed list of general education courses for Study Areas 1 through 4, found in the following 4 locations:</p> <p><u>http://www.ccsu.edu/page.cfm?p=10618</u>, <u>http://www.ccsu.edu/page.cfm?p=10619</u>, <u>http://www.ccsu.edu/page.cfm?p=10620</u>, <u>http://www.ccsu.edu/page.cfm?p=10621</u>,</p> <p>but retain the sentence that begins “In this study area...”, which is found in parentheses and ends the summary descriptions of Study Areas 1 through 4 (found here: <u>http://www.ccsu.edu/page.cfm?p=14893</u>)</p> <p>Rewrite the sentence found in parentheses and located at the end of the summary descriptions of Study Areas 1-4 (found here: <u>http://www.ccsu.edu/page.cfm?p=14893</u>) in the following way:</p>	

	<p>SA1 - (In this study area, students will choose from courses in literature, philosophy, fine arts, and additional disciplines. Click here for a full list of courses.)</p> <p>SA2 - (In this study area, students will choose from courses in economics, geography, history, political science, and additional disciplines. Click here for a full list of courses.)</p> <p>SA3 - (In this study area, students will choose from courses in anthropology, psychology, sociology, and additional disciplines. Click here for a full list of courses.)</p> <p>SA4 - (In this study area, students will choose from courses in biology, biomolecular science, chemistry, earth science, physics, and additional disciplines. Click here for a full list of courses.)</p>	
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Biology

3.1	<p>New Course <u>BIO 403 Human Reproductive Biology</u></p> <p>BIO 200 and BIO 290, or BMS 201 and BMS 390, or permission of department chair</p> <p>Human reproductive anatomy and physiology, including fertilization, embryonic/fetal development and pregnancy, contraception, and assisted reproductive technologies. In addition, non-human species will be briefly examined. Will also include analysis of topics related to human reproduction reported in the media and in scientific literature</p>	
3.2	<p>New Course <u>BIO 503 Advanced Human Reproductive Biology</u></p> <p>Admission to a Biological Sciences graduate program or permission of department chair</p> <p>Human reproductive anatomy and physiology, including fertilization, embryonic/fetal development and pregnancy, contraception, and assisted reproductive technologies. In addition, non-human species will be briefly examined. Will also include analysis of topics related to human reproduction reported in the media and in scientific literature. This is a link course with Bio 403. No credit given for students with credit for Bio 403.</p>	

3.3	<p>Program Revision Major in Biology, B.S. (Certifiable for teaching grades 7-12)</p> <p>Remove SCI 416 Educational Technology in Secondary Science 1 (course was deleted in S13) Note: listed in two places</p> <p>Change SCI 417 Teaching of Science in the Secondary School from 3 credits to 4 credits (this course was revised in S13). Note: listed in two places</p>	
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Computer Science

4.1	<p>Course Addition CS 416 Web Programming</p> <p>3 credits</p> <p>Prereq: CS 253</p> <p>An examination of client and server side programming to achieve advanced data-driven web applications. The course will examine key concepts of both the client and server side processing of a data-driven web applications, as well as, other topics including web architecture patterns, and security considerations. The course will focus on the foundations of these topics in terms of their relevance in making theoretical design choices as well as how they can be implemented in practice.</p> <p>Fall</p>	
	<p>Course Revision CS 152 Computer Science II</p> <p>New description: Further topics in object-oriented programming: inheritance, polymorphism, and Java interfaces. Event-driven programming. Elementary searching and sorting techniques. Recursion. Design with UML diagrams. Introduction to software engineering.</p>	
4.2	<p>Course Revision CS 410 Introduction to Software Engineering</p> <p>Remove graduate credit from this course. CS 530 is an existing graduate version of this course</p>	
4.3	<p>Course Revision CS 465 Compiler Design</p> <p>Remove graduate credit from this course</p>	

4.4	<p>Course Revision CS 473 Simulation Techniques</p> <p>Remove graduate credit from this course.</p>	
4.6	<p>Course Revision CS 498 Senior Project</p> <p>3 credits</p> <p>Senior standing, 21 credits toward major including CS 410.</p> <p>Opportunity for students to participate in design and implementation of a large project by a small team. Project chosen in consultation with instructor will help analyze the impact of computing on individuals, organizations, and society, including ethical, legal, security, and global policy issues. Includes lectures and seminars reflecting on professional, ethical, and social responsibilities of computing professionals, as well as the need for professional development and life-long learning.</p> <p>Spring</p> <p>Note: Remove Grad Credit</p>	
4.7	<p>Program Revision Major in Computer Science, B.S. (Honors) (Non-Teaching) (CAC/ABET-accredited, 45 credits)</p> <p>CORE COURSES (24 semester hours):</p> <p>CS 151 Computer Science I 3 CS 152 Computer Science II 3 CS 153 Computer Science III 3 CS 253 Data and File Structures 3 CS 254 Computer Organization and Assembly Language Programming 3 CS 354 Digital Systems Design 3 CS 355 Systems Programming 3 CS 385 Computer Architecture 3</p> <p>ADVANCED ELECTIVES (9 semester hours) choice of 9 hours from:</p> <p>CS 407 Advanced Topics in Computer Science 1-3 CS 410 Introduction to Software Engineering CS 415 Computer Game Development 3 CS 416 Web Programming 3 CS 423 Computer Graphics 3 CS 425 Image Processing 3</p>	

<p>CS 460 Database Concepts 3 CS 462 Artificial Intelligence 3 CS 463 Algorithms 3 CS 464 Programming Languages 3 CS 465 Compiler Design 3 CS 473 Simulation Techniques 3 CS 481 Operating Systems Design 3 CS 483 Theory of Computation 3 CS 490 Computer Communications Networks & Distributing Processing 3 CS 491 Wireless Communication Networks 3 CS 492 Computer Security 3 CS 495 Legal, Social, Ethical, and Economic Issues in Computing 3</p>	
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AUXILIARY ELECTIVES (3 semester hours) selected from the Advanced Electives or from the following:

CS 290 Topics in Computer Science 1-3
CS 300 Computer Science Work Experience I 3
CS 301 Computer Science Work Experience II 3
CS 398 Independent Study in Computer Science 1-3
CS 499 Seminar in Computer Science 3

PHILOSOPHY (3 semester hours):

PHIL 245 (3) or PHIL 242 (3)

CAPSTONE REQUIREMENT (6 semester hours)

CS 410 Introduction to Software Engineering 3
CS 498 Senior Project 3

Related Requirements (31 credits):

MATH (16 semester hours)

MATH 152 Calculus I 4
MATH 218 Discrete Mathematics 4
MATH 221 Calculus II 4
MATH 226 Linear Algebra and Probability for Engineers 4

SCIENCE(15 semester hours) A choice of one of the following sequences (8 hours):

	<p>BIO 121 General Biology I 4 BIO 122 General Biology II 4 or CHEM 161 General Chemistry 3 CHEM 162 General Chemistry Lab 1 CHEM 200 Foundations of Analytical Chemistry 3 CHEM 201 Foundations of Analytical Chemistry Lab 1 or ESCI 121 Physical Geology 4 ESCI 122 Historical Geology 4 or PHYS 125 University Physics I 4 PHYS 126 University Physics II 4</p> <p>Plus an additional 7 credits in science, STAT, or MATH 119 or above (not counting those in Math category).</p> <p>Computer science honors program majors are not required to complete a minor. Students in this honors program are required to take a proficiency test specified by the department during their senior year.</p>	
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Design Graphics

5.1	<p>Course Revision DES 501 Graphic/Information Design Theory I</p> <p>Change prereqs to: Admission to graduate program in Information Design or permission of Department Chair.</p>	
5.2	<p>Course Revision DES 502 Graphic/Information Design Theory II</p> <p>Change prereqs to: Admission to graduate program in Information Design or permission of Department Chair.</p>	
5.2	<p>Course Revision DES 502 Graphic/Information Design Theory II</p> <p>Change prereqs to: Admission to graduate program in Information Design or permission of Department Chair.</p>	
5.3	<p>Course Revision DES 503 Graphic/Information Design Practice I</p> <p>Change prereqs to: Admission to graduate program in Information Design or</p>	

	<p>permission of Department Chair.</p> <p>Applied design research and practice in graphic/information design. Emphasis on creativity, practical problem solving, technical proficiency, and presentation. May be repeated with different topics for a maximum of six credits.</p>	
5.4	<p>Course Revision <u>DES 504 Graphic/Information Design Practice II</u></p> <p>Change prereqs to: Admission to graduate program in Information Design or permission of Department Chair.</p> <p>Advanced design research and practice, portfolio, and presentation development. May be repeated with different topics for a maximum of six credits.</p>	
5.5	<p>Course Revision <u>DES 520 Advanced History of Design</u></p> <p>Change prereqs to: Admission to graduate program in Information Design or permission of Department Chair.</p>	
5.6	<p>Course Revision <u>DES 537 Advanced Design Internship</u></p> <p>Change prereqs to: Admission to graduate program in Information Design or permission of Department Chair</p>	
5.7	<p>Course Revision <u>DES 598 Research Methods in Design</u></p> <p>Change prereqs to: Admission to graduate program in Information Design or permission of Department Chair.</p>	
5.8	<p>Course Addition <u>DES 565 Advanced Topics In Graphic Information Design</u></p> <p>3 credits</p> <p>Prereqs: Admission to graduate program in Information Design or permission of Department Chair.</p> <p>Selected advanced topics in Graphic/Information Design. May be repeated with different topics for a maximum of six credits. This is a link course with DES 465. No credit given for students with credit for DES 465 with the same topic</p>	

Engineering		
6.1	Course Revision ME 497 Senior Project I: Project Research Change credits from 2 to 1	
6.2	Course Revision ME 498 Senior Project II: Design Project Change credits from 2 to 3	
History		
7.1	Course Revision HIST 493 Directed Readings in History Change credits from 3 to "1 to 3" Many departments in the university have a flexible credit independent study. History found that sometimes students need and want less than three credits.	
7.2	Course Revision HIST 494 Directed Readings in Non-Western History Change credits from 3 to "1 to 3" Many departments in the university have a flexible credit independent study. History found that sometimes students need and want less than three credits	
Marketing		
8.1	Program Revision Marketing, BS Revising the Marketing program to add a new course MKT360 Brand Marketing and to change the course title for MKT350. Both proposals for MKT350 and MKT360 were approved in Spring 2013.	
Phys Ed and Human Performance		
9.1	Course Revision PE 223 Skills and Instructional Strategies for Cross-	

	<p><u>Curricular Teaching</u></p> <p>Change from 3 credit to 1 credit</p>	
9.2	<p><u>Program Revision Major in Physical Education: Exercise Science and Health Promotion, B.S. (not certifiable for teaching)</u></p> <p>Change title to B.S. in Exercise Science</p> <p>Required General Education Courses: BIO 111 or BIO 121 or BMS 102 or BMS 111; CHEM 161; ENG 110; HIST 161 or HIST 162; STAT 104 or 200 or 215, CS 115, PHYS 111, PSY 112, 236, and COMM 140</p> <p>The only modifications made in the current submission include the title of the degree and updating the General Education requirements. However, no general education changes are being made, but rather updating to align with changes made by other departments (i.e. CHEM 161 being the only option due to CHEM 111 and 150 being deleted; and adding STAT 200 or 215 as options to STAT 104 due to cross-listing of these STAT courses)</p>	
9.3	<p><u>Program Revision Minor in Dance</u></p> <p>18 Credits; 15 required credits and 3 elective credits</p> <p>Required Courses (15 credits) DAN 151 Beginning Modern Dance 2 DAN 152 Beginning Ballet 1 DAN 157 Beginning Jazz Dance 1 DAN 200 Dance Practicum 1 DAN 235 Movement for Performers 2 DAN 236 Principles of Choreography 2 DAN 252 Intermediate Ballet 1 DAN 398 Contemporary Dance 2 DAN 477 Dance Methods 3</p> <p>Electives (3 credits) DAN 234 Ballroom Dance 2 DAN 257 Intermediate Jazz Dance 1 DAN 299 Dance History 3 DAN 377 Modern Dance & Theory 1 DAN 480 Project: Dance 1-3 MUS 109 Fundamentals of Music 3 TH 117 Lighting 3</p>	

Political Science		
10.1	<p>Course Revision PS 470 National Intern Experience</p> <p>Prereq: Junior, senior, or graduate status; a minimum of 12 credits in political science; and a minimum of a 3.00 grade point average unless special exception is granted by the internship advisor in consultation with the department chair.</p> <p>Government or political intern experience in Washington D.C., or other national settings, typically through a program such as the Washington Center. Cannot be used to satisfy the requirements for a political science major if the student has completed PS 480 or PS 482. No more than 8 credits of PS 470 may be applied toward an undergraduate political science major. No more than 9 credits of PS 470 may be applied toward a graduate degree. By application.</p>	
10.2	<p>Course Revision PS 480 State Internship Experience</p> <p>Must be taken concurrently with PS 485. Junior, senior status, or grad status; a minimum of 12 credits in political science; and a minimum 2.50 grade point average unless special exception is granted by the internship coordinator in consultation with the department chair. Also open to graduate students with a minimum 3.00 grade point average.</p> <p>Students admitted to this program work in state and local governments, state departments, or agencies for a minimum of two days a week. Not open to students who have completed PS 482. Cannot be used to satisfy the requirements for a political science major if the student has completed PS 470. No more than 3 credits of PS 480 may be applied toward a graduate degree. By application.</p>	
10.3	<p>Course Revision PS 482 State Internship Experience</p> <p>Must be taken concurrently with PS 485. Junior, senior, or graduate status; a minimum of 12 credits in political science; and minimum 3.00 grade point average unless special exception is granted by the internship coordinator in consultation with the department chair</p> <p>Students admitted to this program work in state and local governments, state departments, or agencies on a full-time basis, five days per week. Not open to students who have completed PS 480. Cannot be used to satisfy the</p>	

	requirements for a political science major if the student has completed PS 470. No more than 5 credits of PS 482 may be applied toward an undergraduate Political Science major. No more than 6 credits of PS 482 may be applied toward a graduate degree. By application.	
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Psychological Science

11.1	<p>Program revision Minor in Psychology</p> <p>Change title to: Minor in Psychological Science</p>	
11.2	<p>Program revision Major in Psychology, B.A.</p> <p>Change title to: Major in Psychological Science, B.A.</p>	
11.3	<p>Program revision Minor in Gerontology</p> <p>Add PSY 241 - Health Psychology as an elective</p>	

Sociology

12.1	<p>Course Addition SOC 420 Gender and Education</p> <p>SOC 110 and 3 additional credits of Sociology or WGSS 200 and permission of instructor. No credit will be given to students with credit in WGSS 420.</p> <p>Explores how gender serves as an organizing concept shaping social interactions and institutions with a focus on schools and educational experiences. Students will be required to participate in activities that may include community engagement, on-line projects, and/or extensive research assignments. Cross-listed with WGSS 420.</p> <p>4 credits</p>	
12.2	<p>Course Addition WGSS 420 Gender and Education</p> <p>SOC 110 and 3 additional credits of Sociology or WGSS 200 and permission of instructor. No credit will be given to students with credit in SOC 420.</p> <p>Explores how gender serves as an organizing concept shaping social interactions and institutions with a focus on schools and educational experiences. Students will</p>	

	<p>be required to participate in activities that may include community engagement, on-line projects, and/or extensive research assignments. Cross-listed with SOC 420.</p> <p>4 credits</p>	
12.3	<p>Program revision : <u>Minor in Women, Gender, and Sexuality Studies</u></p> <p>add SOC 420 (WGSS 420) to the list of electives</p>	