

**MEMORANDUM**

**TO:** Debra Jackson, Institutional Effectiveness and Assessment  
Nadim Aziz, Interim Vice President for Academic Affairs and Provost  
James P. Clements, President

**FROM:** Janice W. Murdoch, Chair, Undergraduate Curriculum Committee *JWM*

**DATE:** January 16, 2014

**SUBJECT:** Administrative Approval of Curriculum Items

DEAN  
UNDERGRADUATE  
STUDIES

Clemson University  
E101 Martin Hall  
Box 345105  
Clemson, SC  
29634-5105

P 864-656-3942  
F 864-656-1363

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The Undergraduate Curriculum Committee met on December 6, 2013 to approve the attached curriculum/course changes received in the Office of the Provost, January 16, 2014. The purpose of this memorandum is to respectfully request that you review this information and concur by giving final signature approval.

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**APPROVED:**

*WITH THE FOLLOWING CORRECTION: PAGE 55: CHE APPROVAL IS  
REQUIRED FOR CHANGES IN BLA PROGRAMS.*

*Debra Jackson* DATE *1/17/2014*

DR. DEBRA JACKSON, INSTITUTIONAL EFFECTIVENESS AND ASSESSMENT

*Nadim Aziz* DATE *1/20/2014* (see note below)

DR. NADIM AZIZ, INTERIM VICE PRESIDENT FOR ACADEMIC AFFAIRS & PROVOST

DATE \_\_\_\_\_  
JAMES P. CLEMENTS, PRESIDENT CLEMSON UNIVERSITY

/rft

C: File

Attachments

Note  
proposal ~~from~~ from COES to remove e portfolio  
as a reqt for graduation is on hold until ramifications  
of this proposal are assessed.  
*Nadim*  
1/20/14

Agenda Courses/Curricula  
December 6, 2013  
University Undergraduate Curriculum Committee

**I. College of Agriculture, Forestry, and Life Sciences**

**A. Biological Sciences**

BA Biological Sciences - change curriculum requirements 1

**B. Packaging Science**

PKSC 4990 Creative Inquiry - change catalog title, credit, catalog description, pre (,0) 3  
PKSC 4980 Creative Inquiry Lab - new course (,) 5  
BS Packaging Science - change curriculum requirements 7

**C. Community and Rural Development**

CRD 2350 Intro Leadership - delete course 10  
CRD 3350 Leadership in Org - change abbreviation 3(3,0) 11  
CRD 3360 Comm Develop Methods - change abbreviation 3(3,0) 12  
CRD 3570 Nat Resource Econ - delete course 13  
CRD 3610 Int Health Care Econ - delete course 14  
CRD 4110 Reg Impact Analysis - delete course 15  
CRD 4120 Reg Economic Devel - delete course 16  
CRD 4910 Internship - delete course 17  
CRD 4920 Case Study Project - change abbreviation 3(3,0) 18  
CRD 4940 Creative Inquiry - delete course 21

**D. Applied Economics**

APEC 3080 Quant Ag Econ - change number, catalog description, prerequisites 3(3,0) 22

**E. Wildlife and Fish Biology**

WFB 4760 Avian Field Methods - change catalog title, transcript title, catalog de 3(1,4) 25

**F. Horticulture**

BS Horticultre - change curriculum requirements 27

**G. Turfgrass**

BS Turfgrass - change curriculum requirements 30

**H. Soils and Sustainable Crop Systems**

BS SSCS (Sustainable Crop Production) - change major name, curriculum req 33  
BS SSCS (Agricultural Biotechnology) - change major name, curriculum req 41  
BS SSCS (Soil/Water Environmental Sci) - change major name, curriculum req 48

**II. College of Art, Architecture, and Humanities**

**A. Landscape Architecture**

BLA Landscape Architecture - change curriculum requirements 55  
LARC 1150 Intro Landscape Architecture - new course 59  
LARC 1520 Basic Design II - change credit 3(0,6) 61  
LARC 3510 Regional Design - change prerequisites 6(1,10) 63  
LARC 3520 Urban Design - change catalog description, prerequisites 6(1,10) 64  
LARC 4210 Land Arch Seminar - change prerequisites (,) 66  
LARC 4530 Key Issues in Larch - change prerequisites 3(3,0) 67  
LARC 4710 Chines and Japanese Gardens - new course 3(3,0) 68  
LARC 4720 South Carolinas Landscapes - new course 3(3,0) 70  
LARC 5810 La Prof Pract - change catalog description, prerequisites 3(3,0) 72

**B. Performing Arts**

BA Prod Studies in Performing Arts (Audio Tech) - concentration change 74  
BA Prod Studies in Performing Arts (Audio Tech) - gen ed 75  
Production Studies in Performing Arts - General Education Checklist 78  
DANC 3300 Univ Dance Company - change prerequisites (,) 79

|            |   |        |    |
|------------|---|--------|----|
| THEA 3500  | Applies Theatre I - new course                                    | 3(3,0) | 80 |
| THEA 4500  | Applies Theatre II - new course                                   | 3(3,0) | 83 |
| MUSIC 4150 | Music Hist to 1750 - change catalog description, prerequisites    | 3(3,0) | 85 |
| MUSIC 4160 | Music Hist since 1750 - change catalog description, prerequisites | 3(3,0) | 87 |

**C. Language and International Trade**

|  |    |
|--|----|
| BA Language and Inter Trade (Economics) - change curriculum requirements | 89 |
| BA Language and Inter Trade (Trade) - change curriculum requirements     | 92 |
| BA Language and Inter Trade (Tourism) - change curriculum requirements   | 95 |

**D. English**

|           |  |        |     |
|-----------|--|--------|-----|
| ENGL 3470 | Structure of Drama - change prerequisites                      | 3(3,0) | 98  |
| ENGL 4290 | Dramatic Lit I - add cross-listing, change prerequisites       | 3(3,0) | 100 |
| ENGL 4300 | Dramatic Lit II - add cross-listing, change prerequisites      | 3(3,0) | 102 |
| ENGL 4470 | Playwriting Workshop - add cross-listing, change prerequisites | (,)    | 104 |

**E. Architecture**

|           |   |         |     |
|-----------|---|---------|-----|
| ARCH 2700 | Structures I - change prerequisites       | 3(3,0)  | 106 |
| ARCH 4010 | Arch Portfolio - change prerequisites     | 3(3,0)  | 108 |
| ARCH 4240 | Product Design - change prerequisites     | 3(0,0)  | 110 |
| ARCH 4520 | Synthesis Studio - change prerequisites   | 6(1,11) | 112 |
| ARCH 4710 | Arch Hist of Place - change prerequisites | 3(3,0)  | 114 |
| ARCH 4720 | Arch Field Studies - change prerequisites | 3(1,6)  | 116 |
| ARCH 4770 | Intro to Craft - change prerequisites     | (,)     | 118 |
| DSGN 3700 | Design Principles - change prerequisites  | 6(1,10) | 120 |

**III. College of Business and Behavioral Science**

**A. Economics**

|   |   |        |     |
|---|---|--------|-----|
| BS Economics - change curriculum requirements | 122   |        |     |
| BS Economics - change curriculum requirements | 123   |        |     |
| ECON 3030                                     | Economics and Sports - change prerequisites | 3(3,0) | 127 |

**B. Finance**

|          |  |        |     |
|----------|--|--------|-----|
| FIN 4020 | Adv Corp Finance - change catalog title                  | 3(3,0) | 128 |
|          | Financial Management - change minor requirements         |        | 129 |
|          | BS Financial Management - change curriculum requirements |        | 130 |
| FIN 3110 | Financial Mgt I - change prerequisites                   | 3(3,0) | 133 |

**C. Management**

|  |  |        |     |
|--|--|--------|-----|
| BS Management - change curriculum Requirements | 136  |        |     |
| MGT 4110                                       | Project Management - change prerequisites      | 3(3,0) | 142 |
| MGT 3900                                       | Ops Mgt - change prerequisites                 | 3(3,0) | 144 |
| MGT 3120                                       | Decision Models for Mgt - change prerequisites | 3(3,0) | 146 |
| MGT 3100                                       | Inter Business Stats - change prerequisites    | 3(3,0) | 148 |
| MGT 3070                                       | Human Resource Mgt - change prerequisites      | 3(3,0) | 150 |
|  | BS Management - change emphasis areas          |        | 152 |
|  | BS Management - change emphasis areas          |        | 153 |
|  | BS Management - change emphasis areas          |        | 154 |

**D. Accounting**

|           |  |        |     |
|-----------|--|--------|-----|
| ACCT 4100 | Budget and Exec Control - change catalog title, course description | 3(3,0) | 155 |
| ACCT 3400 | Int Audit Theory - delete course                                   |        | 157 |
| ACCT 2990 | CI in Accounting - change course number                            | 1-6(,) | 158 |
|           | BS Accounting - change curriculum requirements                     |        | 160 |

**E. Legal Studies**

Agenda Courses/Curricula

December 6, 2013

University Undergraduate Curriculum Committee

|   |  |        |     |
|---|--|--------|-----|
| LAW 4050  | Consturction Law - change prerequisites                          | 3(3,0) | 163 |
| <b>F. Marketing</b>   |  |        |     |
| MKT 4950  | Selected Topics - change catalog descripton                      | (,)    | 165 |
| MKT 4340  | Sport Promotion - change prerequisites                           | 3(3,0) | 167 |
| MKT 4300  | Product Management - change prerequisites                        | 3(3,0) | 168 |
| MKT 4250  | Retail Management - change prerequisites                         | 3(3,0) | 169 |
| MKT 3990  | Mkt Internship - change credit, catalog description              | 3(0,9) | 171 |
| MKT 3010  | Principle of Marketing - change prerequisites                    | 3(3,0) | 173 |
|   | BS Marketing - change curriculum requirements                    |        | 175 |
| <b>IV. College of Engineering and Science</b>                 |  |        |     |
| <b>A. Bioengineering</b>                                      |  |        |     |
| BIOE 4010   | Bio E Design Theory - change prerequisites                       | 3(3,0) | 180 |
| BIOE 4120   | Orthopaedic Engr and Pathology - change prerequisites            | 3(3,0) | 181 |
| <b>B. Civil Engineering</b>                                   |  |        |     |
|   | BS Civil Engineering - change curriculum requirements            |        | 182 |
| CE 4820   | Groundwater & Contam Transport - change prerequisites            | 3(3,0) | 185 |
| <b>C. Electrical and Computer Engineering</b>                 |  |        |     |
| ECE 3090  | Electrical Engineering Lab I - change course number              | 1(0,2) | 186 |
| ECE 3070  | Basic Elect Engr - change course number                          | 2(2,0) | 187 |
| <b>D. Environmental Engineering and Earth Science</b>         |  |        |     |
| EES 4010  | Environmental Engr - change prerequisites                        | 3(3,0) | 188 |
|   | BS Geology - change curriculum requirements                      |        | 189 |
| GEOL 1020   | Earth History - change course number                             | 4(3,3) | 201 |
| GEOL 2750   | Field Methods - new course                                       | 3(1,4) | 202 |
| <b>E. General Engineering</b>                                 |  |        |     |
|   | General Education Catalog Changes (2013-2014, Page 91)           |        | 204 |
| <b>F. Industrial Engineering</b>                              |  |        |     |
|   | BS Industrial Engineering - change curriculum requirements       |        | 207 |
| IE 2000   | Soph Seminar in IE - change prerequisites                        | 1(1,0) | 211 |
| IE 2010   | Systems Design I - change prerequisites                          | 4(3,3) | 212 |
| IE 2100   | Des Analysis Wrk Sys - change prerequisites                      | 3(2,3) | 213 |
| IE 2800   | Deterministic Operations Rsrch - change prerequisites            | 3(3,0) | 214 |
| IE 4820   | Systems Modeling - change credit                                 | 4(3,2) | 215 |
| <b>G. Mathematical Sciences</b>                               |  |        |     |
|   | BS Mathematical Sciences - change curriculum requirements        |        | 217 |
|   | BA Mathematical Sciences - change curriculum requirements        |        | 222 |
|   | Minor Mathematical Sciences - change minor requirements          |        | 225 |
| <b>V. College of Health, Education, and Human Development</b> |  |        |     |
| <b>A. Education</b>   |  |        |     |
|   | BA Secondary Education (English) - General Education Checklist   |        | 226 |
|   | BA Early Childhood Education - change curriculum requirements    |        | 230 |
| ED EC 2200  | Family/School/Com - change prerequisites                         | 3(3,0) | 234 |
| ED EC 3000  | Found Early Child Ed - change prerequisites                      | 3(3,0) | 235 |
| ED EC 3010  | EC Prac I - new course   | 1(0,3) | 236 |
| ED EC 3020  | EC Prac II - new course  | 1(0,3) | 237 |
| ED EC 3030  | EC Prac III - new course   | 1(0,3) | 238 |
| ED EC 3040  | EC Prac IV - new course  | 1(0,3) | 239 |
| ED EC 3360  | Soc Dev INF/YG Child - change catalog title, catalog description | 3(3,0) | 240 |

|            |                       |  |         |            |
|------------|-----------------------|--|---------|------------|
|            | <b>ED EC 4400</b>     | Int Lan Arts Soc Sts - change catalog title, catalog description   | 3(3,0)  | <b>242</b> |
|            | <b>ED EC 4500</b>     | Early Child Curric - change catalog title, catalog description     | 3(3,0)  | <b>244</b> |
|            | <b>ED EC 4600</b>     | Critical Issues ECE - change catalog title, catalog description    | 3(3,0)  | <b>246</b> |
|            | <b>EDF 4900</b>       | Classroom Management - change prerequisites                        | 3(3,0)  | <b>248</b> |
|            |                       | BA Science Teach (Biological Sci) - change curriculum requirements |         | <b>250</b> |
|            |                       | BS Science Teach (Biological Sci) - change curriculum requirements |         | <b>256</b> |
|            |                       | BA Science Teach (Chemistry) - change curriculum requirements      |         | <b>261</b> |
|            |                       | BS Science Teach (Physical SC) - change curriculum requirements    |         | <b>266</b> |
|            |                       | BA Science Teach (Physics) - change curriculum requirements        |         | <b>271</b> |
|            |                       | BA Sec Ed: Soc Studies (History) - change curriculum requirements  |         | <b>276</b> |
|            |                       | BA Sec Ed (English) - change curriculum requirements               |         | <b>279</b> |
| <b>B.</b>  | <b>Nursing</b>        |  |         |            |
|            | <b>NURS 3190</b>      | Health Assess Rns - change catalog description, prerequisites      | 2(2,0)  | <b>285</b> |
|            |                       | RNBS Nursing - gen ed changes                                      |         | <b>288</b> |
|            |                       | BS Nursing - change curriculum requirements                        |         | <b>290</b> |
|            |                       | RNBS Nursing - gen ed changes                                      |         | <b>293</b> |
|            |                       | BS Nursing - change curriculum requirements                        |         | <b>294</b> |
| <b>C.</b>  | <b>Health Science</b> |  |         |            |
|            |                       | BS Health Science - change curriculum requirements                 |         | <b>297</b> |
|            | <b>CVT 2260</b>       | Intro Cardiovascular Sono - change prerequisites                   | 3(3,0)  | <b>300</b> |
|            | <b>CVT 2250</b>       | Ultrasound Physics - change prerequisites                          | 3(3,0)  | <b>301</b> |
|            | <b>CVT 4240</b>       | Field Experience I - change catalog title, credit                  | 6(0,18) | <b>302</b> |
|            | <b>HLTH 4180</b>      | CVT Prof Devel - new course  |         | <b>306</b> |
| <b>VI.</b> | <b>Honors College</b> |  |         |            |
| <b>A.</b>  | <b>Honors</b>         |  |         |            |
|            | <b>HON 4910</b>       | Honors Interdisc Capstone - new course                             | 3(3,0)  | <b>311</b> |
|            | <b>HON 2240</b>       | Studies Global Cultures - new course                               | 3(3,0)  | <b>319</b> |

Approved Agenda Courses/Curricula  
December 6, 2013  
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| BA Language and Inter Trade (Economics) - change curriculum requirements | 89 |
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**D. English**

|           |  |        |     |
|-----------|--|--------|-----|
| ENGL 3470 | Structure of Drama - change prerequisites                      | 3(3,0) | 98  |
| ENGL 4290 | Dramatic Lit I - add cross-listing, change prerequisites       | 3(3,0) | 100 |
| ENGL 4300 | Dramatic Lit II - add cross-listing, change prerequisites      | 3(3,0) | 102 |
| ENGL 4470 | Playwriting Workshop - add cross-listing, change prerequisites | (,)    | 104 |

**E. Architecture**

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|-----------|---|---------|-----|
| ARCH 2700 | Structures I - change prerequisites       | 3(3,0)  | 106 |
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| ARCH 4520 | Synthesis Studio - change prerequisites   | 6(1,11) | 112 |
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**III. College of Business and Behavioral Science**

**A. Economics**

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| BS Economics - change curriculum requirements | 122   |        |     |
| BS Economics - change curriculum requirements | 123   |        |     |
| ECON 3030                                     | Economics and Sports - change prerequisites | 3(3,0) | 127 |

**B. Finance**

|          |  |        |     |
|----------|--|--------|-----|
| FIN 4020 | Adv Corp Finance - change catalog title                  | 3(3,0) | 128 |
|          | Financial Management - change minor requirements         |        | 129 |
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**C. Management**

|  |  |        |     |
|--|--|--------|-----|
| BS Management - change curriculum Requirements | 136  |        |     |
| MGT 4110                                       | Project Management - change prerequisites      | 3(3,0) | 142 |
| MGT 3900                                       | Ops Mgt - change prerequisites                 | 3(3,0) | 144 |
| MGT 3120                                       | Decision Models for Mgt - change prerequisites | 3(3,0) | 146 |
| MGT 3100                                       | Inter Business Stats - change prerequisites    | 3(3,0) | 148 |
| MGT 3070                                       | Human Resource Mgt - change prerequisites      | 3(3,0) | 150 |
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|  | BS Management - change emphasis areas          |        | 153 |
|  | BS Management - change emphasis areas          |        | 154 |

**D. Accounting**

|           |  |        |     |
|-----------|--|--------|-----|
| ACCT 4100 | Budget and Exec Control - change catalog title, course description | 3(3,0) | 155 |
| ACCT 3400 | Int Audit Theory - delete course                                   |        | 157 |
| ACCT 2990 | CI in Accounting - change course number                            | 1-6(,) | 158 |
|           | BS Accounting - change curriculum requirements                     |        | 160 |

**E. Legal Studies**

Approved Agenda Courses/Curricula

December 6, 2013

University Undergraduate Curriculum Committee

|   |  |        |                |
|---|--|--------|----------------|
| LAW 4050  | Consturction Law - change prerequisites                              | 3(3,0) | 163            |
| <b>F. Marketing</b>   |  |        |                |
| MKT 4950  | Selected Topics - change catalog descripton                          | (,)    | 165            |
| MKT 4340  | Sport Promotion - change prerequisites                               | 3(3,0) | 167            |
| MKT 4300  | Product Management - change prerequisites                            | 3(3,0) | 168            |
| MKT 4250  | Retail Management - change prerequisites                             | 3(3,0) | 169            |
| MKT 3990  | Mkt Internship - change credit, catalog description                  | 3(0,9) | 171            |
| MKT 3010  | Principle of Marketing - change prerequisites                        | 3(3,0) | 173            |
|   | BS Marketing - change curriculum requirements                        |        | 175            |
| <b>IV. College of Engineering and Science</b>                 |  |        |                |
| <b>A. Bioengineering</b>                                      |  |        |                |
| BIOE 4010   | Bio E Design Theory - change prerequisites                           | 3(3,0) | 180            |
| BIOE 4120   | Orthopaedic Engr and Pathology - change prerequisites                | 3(3,0) | 181            |
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|   | BS Civil Engineering - change curriculum requirements                |        | 182            |
| CE 4820   | Groundwater & Contam Transport - change prerequisites                | 3(3,0) | 185            |
| <b>C. Electrical and Computer Engineering</b>                 |  |        |                |
| ECE 3090  | Electrical Engineering Lab I - change course number                  | 1(0,2) | 186            |
| ECE 3070  | Basic Elect Engr - change course number                              | 2(2,0) | 187            |
| <b>D. Environmental Engineering and Earth Science</b>         |  |        |                |
| EES 4010  | Environmental Engr - change prerequisites                            | 3(3,0) | 188            |
|   | BS Geology - change curriculum requirements                          |        | 189            |
| GEOL 1020   | Earth History - change course number                                 | 4(3,3) | 201            |
| GEOL 2750   | Field Methods - new course   | 3(1,4) | 202            |
| <b>E. General Engineering</b>                                 |  |        |                |
|   | General Education Catalog Changes (2013-2014, Page 91)               |        | 204            |
| <b>F. Industrial Engineering</b>                              |  |        |                |
|   | BS Industrial Engineering - change curriculum requirements           |        | 207            |
| IE 2000   | Soph Seminar in IE - change prerequisites                            | 1(1,0) | 211            |
| IE 2010   | Systems Design I - change prerequisites                              | 4(3,3) | 212            |
| IE 2100   | Des Analysis Wrk Sys - change prerequisites                          | 3(2,3) | 213            |
| IE 2800   | Deterministic Operations Rsrch - change prerequisites                | 3(3,0) | 214            |
| IE 4820   | Systems Modeling - change credit                                     | 4(3,2) | 215            |
| <b>G. Mathematical Sciences</b>                               |  |        |                |
|   | <del>BS Mathematical Sciences - change curriculum requirements</del> |        | <del>217</del> |
|   | BA Mathematical Sciences - change curriculum requirements            |        | 222            |
|   | Minor Mathematical Sciences - change minor requirements              |        | 225            |
| <b>V. College of Health, Education, and Human Development</b> |  |        |                |
| <b>A. Education</b>   |  |        |                |
|   | BA Secondary Education (English) - General Education Checklist       |        | 226            |
|   | BA Early Childhood Education - change curriculum requirements        |        | 230            |
| ED EC 2200  | Family/School/Com - change prerequisites                             | 3(3,0) | 234            |
| ED EC 3000  | Found Early Child Ed - change prerequisites                          | 3(3,0) | 235            |
| ED EC 3010  | EC Prac I - new course   | 1(0,3) | 236            |
| ED EC 3020  | EC Prac II - new course  | 1(0,3) | 237            |
| ED EC 3030  | EC Prac III - new course   | 1(0,3) | 238            |
| ED EC 3040  | EC Prac IV - new course  | 1(0,3) | 239            |
| ED EC 3360  | Soc Dev INF/YG Child - change catalog title, catalog description     | 3(3,0) | 240            |

*Tabled till Feb for changes.\**



|            |  |        |     |
|------------|--|--------|-----|
| ED EC 4400 | Int Lan Arts Soc Sts - change catalog title, catalog description   | 3(3,0) | 242 |
| ED EC 4500 | Early Child Curric - change catalog title, catalog description     | 3(3,0) | 244 |
| ED EC 4600 | Critical Issues ECE - change catalog title, catalog description    | 3(3,0) | 246 |
| EDF 4900   | Classroom Management - change prerequisites                        | 3(3,0) | 248 |
|            | BA Science Teach (Biological Sci) - change curriculum requirements |        | 250 |
|            | BS Science Teach (Biological Sci) - change curriculum requirements |        | 256 |
|            | BA Science Teach (Chemistry) - change curriculum requirements      |        | 261 |
|            | BS Science Teach (Physical SC) - change curriculum requirements    |        | 266 |
|            | BA Science Teach (Physics) - change curriculum requirements        |        | 271 |
|            | BA Sec Ed: Soc Studies (History) - change curriculum requirements  |        | 276 |
|            | BA Sec Ed (English) - change curriculum requirements               |        | 279 |

**B. Nursing**

|           |   |        |     |
|-----------|---|--------|-----|
| NURS 3190 | Health Assess Rns - change catalog description, prerequisites | 2(2,0) | 285 |
|           | RNBS Nursing - gen ed changes                                 |        | 288 |
|           | BS Nursing - change curriculum requirements                   |        | 290 |
|           | RNBS Nursing - gen ed changes                                 |        | 293 |
|           | BS Nursing - change curriculum requirements                   |        | 294 |

**C. Health Science**

|           |  |         |     |
|-----------|--|---------|-----|
|           | BS Health Science - change curriculum requirements |         | 297 |
| CVT 2260  | Intro Cardiovascular Sono - change prerequisites   | 3(3,0)  | 300 |
| CVT 2250  | Ultrasound Physics - change prerequisites          | 3(3,0)  | 301 |
| CVT 4240  | Field Experience I - change catalog title, credit  | 6(0,18) | 302 |
| HLTH 4180 | CVT Prof Devel - new course                        |         | 306 |

**VI. Honors College**

**A. Honors**

|                          |   |                   |                |
|--------------------------|---|-------------------|----------------|
| <i>Tabled *</i> HON 2240 | <del>Studies Global Cultures - new course</del> | <del>3(3,0)</del> | <del>311</del> |
| HON 4910                 | Honors Interdisc Capstone - new course          | 3(3,0)            | 319            |

AGENDA  
**University Undergraduate Curriculum Committee Meeting**  
Friday—December 06, 2013—1:30 PM  
E304 Martin Hall

- I. Call to order**
- II. Introductions**
- III. Consideration of November meeting minutes**
- IV. Old Business**
  - A. Language Requirement for International Students – Jan Murdoch
- V. New Business**
- VI. Committee reports**
  - A. Arts & Humanities – Bruce Whisler
  - B. Mathematical & Natural Sciences – Bob Green
  - C. Social Science – Laura Olson
  - D. Cross Cultural Awareness – Mike Coggeshall
  - E. Science & Technology in Society – Pam Mack
  - F. Ethical Judgment – Dan Wueste
  - G. Critical Thinking – Sarah Winslow
  - H. Communication – Michael LeMahieu
- VI. Curricula/course approvals - attached**
- VII. Other business**
- VIII. Adjourn**

University Undergraduate Curriculum Committee  
Minutes Meeting  
E304 Martin Hall  
November 1, 2013, 1:30 PM

**Members Present:** Jan Murdoch, chair; Michael Silvestri; Mike Coggeshall; Angela Morgan; Bob Kosinski; Cheryl Ingram-Smith; Mary Beth Kurz; Brian Dominy; Bob Horton; Jan Comfort; Lee Cochrane; Claudia Giles; Jeff Appling; Julie Pennebaker; Cecelia Hamby; Mary Huff; Shannon Clark; Pam Mack; David Knox; Gail Ring; Bob Brookover; Aubrey Childress; Skip Sawyer; Marieke VanRymbroeck and Rhonda Todd

Murdoch convened the meeting at 1:30 PM

**Approval of minutes**

The committee approved the November meeting minutes.

**Old Business**

- A. **General Education** – The committee members discussed the review of the *White Paper to Address the Introduction of General Education Interest Area*. Several committee members agreed there were pluses and minuses on both sides. Silvestri stated that his college was ambivalent, but felt the proposal mirrored the student minor curriculum.
- B. **Review of CBBS General Education Proposal** – Coggeshall proposed tracking or silo-ing general education. Committee members discussed, but continued to mention funding issues, and determined that funding problems must be addressed before any real proposal can be considered. Murdoch encouraged the committee to discuss among their college and tabled further discussion for the December meeting.
- C. **General Education Course Review** – Coggeshall distributed and discussed his findings of Social Science and Cross Cultural Awareness syllabus review (copy attached) and additional information can be found through the online service of the syllabus repository. Kosinski proposed this same concept to his college about evaluating the syllabus to ensure the competency and artifacts met the general education requirement. Murdoch reported the Chairs of the General Education subcommittees will be taking a look at each course, and we will continue to discuss at future meetings.
- D. **Proposed Revision to the Natural Science Competency** – The committee discussed, and Murdoch called for a vote, all approved, none opposed.
- E. **Proposed Revision to the Cross-Cultural Awareness Competency** – Coggeshall requested proposal be tabled for now because they are not ready to make a change, and the committee agreed.

**New Business**

- A. **Language Requirement for International Students** – Murdoch introduced Skip Sauer. Sauer explained that he was here to address issues for international students who face problems with the language requirement. He reported that the requirement becomes an issue if the international student's foreign language is not offered here at Clemson. He suggested that we need a consistent system to deal with these particular students. Sauer stated that it would be beneficial for students to take a course with added value to their education rather than a course

just to meet the requirement. Committee members discussed. Members suggested use of the TOFEL scores to determine if English is truly the second language. Someone suggested a specific English course for these students, but several were opposed due to the undue burden this would place on the English department. Mack suggested looking into how other universities handle this. Coggeshall suggested finding out what the Language department thought about this. Murdoch tabled for further discussion.

**B. Committee reports**

- a. Arts & Humanities – Bruce Whisler - The subcommittee recommends approval of STS 215 for A&H non-literature credit. The committee approved.
- b. Mathematical & Natural Sciences – Bob Green
- c. Social Science – Laura Olson
- d. Cross Cultural Awareness – Mike Coggeshall – The subcommittee is not recommending approval of REL 312/313 for CCA credit. The committee denied approval.
- e. Science & Technology in Society – Pam Mack
- f. Ethical Judgment – Dan Wueste
- g. Critical Thinking – Sarah Winslow
- h. Communication – Michael LeMahieu

**C. Curriculum/course approval** – See attached. Courses not approved are highlighted in grey.

**Other Business**

Appling stated that he would like to float something by members about students taking a CU4000 course to complete their ePortfolio, with the requirement that students must complete the course before they can graduate. Appling said that it would be useless if it is not a requirement. He reported this course would provide an opportunity for true self-reflection and provide an opportunity for deeper study of competencies and artifacts. Committee members liked the idea, so Appling agreed to put something together.

Adjourned 3:51 PM

Minutes respectfully submitted by Rhonda Todd

College of Business and Behavioral Science  
Report on Tracking or “Silo-ing” of General Education  
October 11, 2013

The College Curriculum Committee of the College of Business and Behavioral Science met on Friday, October 11 (regular meeting date/time) and discussed the “White Paper” on “tracking” or “silo-ing” General Education at Clemson. Additional comments flowed through email exchanges.

We recognize (1) that Clemson has promised SACS that our QEP will address General Education, (2) that the students have concerns about the logical organization and academic rigor of courses within General Education at Clemson, and (3) that students frequently select General Education courses to fit their schedules for convenience rather than for a “logical” sequence. Nevertheless:

1. The College representatives are not in favor of tracking or “silo-ing” General Education;
2. In order to address student concerns about General Education more effectively, we would like to know the specific student-perceived problem(s) with General Education, and how those problems were measured, before undertaking any changes. We need to have a systematic and data-driven approach to discovering problems before modifying General Education.
3. We would also like to know how our academic peers approach the organizational logic and pedagogical presentation of General Education before undertaking any changes.

Our concerns about “tracking” General Education are both pedagogical and administrative:

Pedagogical Concerns:

1. We believe “tracking” goes against the idea of a “general education;”
2. We strongly believe students should have multiple experiences from a variety of courses;

### Advising Concerns:

1. Many students change majors while at Clemson, and many others have difficulty choosing a minor. For example, in our college we find most student are not sure what concentration they are interested in completing when they change their major from pre-business to management, marketing and finance after being at Clemson for a year. Thus, for most students, having to choose a “silo” or “concentration” for General Education will be equally challenging, but this decision is especially critical since most students take a majority of their General Education requirements during their first and second semester at Clemson.
2. Would transfer students complete a “track” as well? If so, might that delay their progress? Would the delay from the necessity of completing a “track” cause students to choose another university instead?

### Solution

We propose the addition of a new competency for General Education – we suggest that students write an essay for their e-portfolios, explaining the decisions they made to take the General Education courses they took. This essay will urge the students (a) to take more seriously their initial Gen Ed choices; (b) to encourage them to find their own logical links between courses (links that might lie outside our narrow “silos”); and (c) to find in every Gen Ed course at least some learning outcome or skill that they might apply to their career and/or to life-long learning. This new competency would be completed in their last semester, as a reflection piece combining both their General Education and major/minor coursework.

We see this new competency as a way of empowering students to make their own decisions, find their own creative links, develop their own critical thinking, and reflect on their own learning outcomes as they near graduation. Our goal is to foster life-long learning and creative thinking in all Clemson graduates.

In addition, we also suggest:

1. All Faculty teaching General Education courses should be informed about Gen Ed goals, competencies, and artifacts;
2. All Faculty teaching General Education courses should be annually reviewed on “teaching effectiveness” and “academic rigor,” not on “student satisfaction.” In other words, Faculty should be encouraged to follow the new Guidelines for Measuring Teaching Effectiveness as outlined in the Faculty Manual;
3. All departments should be strongly encouraged to integrate General Education requirements into the first or second curriculum years (or at least by the end of the third year);
4. The Undergraduate Announcements should include introductory paragraphs for all areas of General Education, explaining the pedagogical purposes of the different areas.
5. All academic advisors should be strongly encouraged to help students select General Education courses that make some logical sense to the student, in relation to their individual programs of study.

Social Science and Cross Cultural  
Syllabi Review and Report

| COURSE    | SECTION | Most Recent Syllabus | Professor               | Competency Stated | Competency Aligned Objectives/Activities | E-Portfolio Instructions | Notes   |
|-----------|---------|----------------------|-------------------------|-------------------|--|--------------------------|---|
| ANTH 2010 | 1       | Fall 2013            | Dr. John M Coggeshall   | YES               | YES                                      | YES                      | Competencies stated nearly verbatim   |
| ANTH 2010 | 2       | Fall 2013            | Dr. John M Coggeshall   | YES               | YES                                      | YES                      | Competencies stated nearly verbatim   |
| ANTH 2010 | 3       | Fall 2013            | Dr. Katherine Weisensee | YES               | YES                                      | YES                      | Competencies stated nearly verbatim   |
| ANTH 2010 | 4       | Fall 2013            | Dr. Lisa Rapaport       | YES               | YES                                      | YES                      | Competencies stated nearly verbatim   |
| APEC 2020 | 2       | Spring 2013          | Dr. Webb M Smathers Jr. | YES               | NO                                       | YES                      | Competencies referenced but not defined.  |
| APEC 2570 | 1       | Spring 2013          | Dr. David Willis        | NO                | NO                                       | NO                       | There is a "Gen Ed Competencies" heading, but specific competencies are not stated.   |
| CON 2000  | 1       | Fall 2013            | Lyudmyla Sonchak        | NO                | NO                                       | NO                       |   |
| CON 2000  | 2       | Fall 2013            | Lyudmyla Sonchak        | NO                | NO                                       | NO                       |   |
| CON 2000  | 3       | Fall 2013            | Dr. Miren Ivankovic     | NO                | NO                                       | NO                       |   |
| CON 2110  | 21      | Fall 2013            | Prof Raymond Sauer      | NO                | NO                                       | NO                       |   |
| CON 2110  | 22      | Fall 2013            | Mallika Garg            | NO                | NO                                       | NO                       |   |
| CON 2110  | 24      | Fall 2013            | Timothy Bersak          | NO                | NO                                       | NO                       |   |
| CON 2110  | 25      | Fall 2013            | Dr. Molly Espey         | NO                | YES                                      | YES                      | There is a "Gen Ed Competencies" heading, but specific competencies are not stated.   |
| CON 2110  | 26      | Fall 2013            | Dr. Miren Ivankovic     | NO                | NO                                       | NO                       | *Note* (from syllabus): Student Learning Objective 4: "SLO 4: Demonstrate integration of Biblical principles" and "Gain a broad understanding of microeconomic issues from a Christian worldview" |
| CON 2110  | 31      | Fall 2013            | Jacob Burgdorf          | NO                | NO                                       | NO                       |   |
| CON 2110  | 33      | Fall 2013            | Devin Shippey           | NO                | NO                                       | NO                       | Objectives loosely aligned with Critical Thinking competency.   |



Social Science and Cross Cultural  
Syllabi Review and Report

| <b>COURSE</b> | <b>SECTION</b> | <b>Most Recent Syllabus</b> | <b>Professor</b>      | <b>Competency Stated</b> | <b>Competency Aligned Objectives/Activities</b> | <b>E-Portfolio Instructions</b> | <b>Notes</b>   |
|---------------|----------------|-----------------------------|-----------------------|--------------------------|---|---------------------------------|--|
| CON 2110      | 34             | Fall 2013                   | Eric Makela           | NO                       | NO  | NO                              | Objectives loosely aligned with Social Science competency  |
| CON 2110      | 35             | Fall 2013                   | Cesar Castellon       | NO                       | NO  | NO                              |  |
| CON 2110      | 36             | Fall 2013                   | Patrick Warren        | NO                       | NO  | NO                              |  |
| CON 2110      | 37             | Fall 2013                   | Rob Fleck             | NO                       | NO  | NO                              |  |
| CON 2110      | GEN            | Fall 2013                   | Andy Hanssen          | NO                       | NO  | NO                              |  |
| CON 2120      | 1              | Fall 2013                   | Dr. Ralph Allen       | NO                       | NO  | NO                              |  |
| CON 2120      | 2              | Fall 2013                   | Andrew Swanson        | NO                       | NO  | NO                              | Objectives loosely aligned with Social Science competency, but not explicitly stated as such.        |
| CON 2120      | 3              | Fall 2013                   | Dr. Ralph Allen       | NO                       | NO  | NO                              |  |
| CON 2120      | 4              | Fall 2013                   | Richard Gearhart      | NO                       | NO  | NO                              |  |
| CON 2120      | 5              | Fall 2013                   | Yukun Sun             | NO                       | NO  | NO                              |  |
| CON 2120      | 6              | Fall 2013                   | Yukun Sun             | NO                       | NO  | NO                              |  |
| CON 2120      | 7              | Fall 2013                   | Danielle Zanzalari    | NO                       | NO  | NO                              | Course description loosely aligns with Social Science competency, but not explicitly stated as such. |
| CON 2120      | 8              | Fall 2013                   | Anne Anders           | NO                       | NO  | NO                              |  |
| EOG 1010      | 1              | Fall 2013                   | Dr. Christa Smith     | YES                      | YES   | YES                             |  |
| EOG 1030      | 2              | Fall 2013                   | William Terry         | YES                      | YES   | YES                             |  |
| EOG 1060      | *              | *                           | *                     | *                        | *   | *                               | No syllabus in repository  |
| HIST 1010     | 1              | Spring 2012                 | Dr. James B. Jeffries | NO                       | NO  | NO                              | Due to broken links, this was the most recent accessible syllabus in the repository                  |
| HIST 1020     | 2              | Fall 2013                   | Maribel Morey         | NO                       | NO  | NO                              |  |
| HIST 1220     | 1              | Fall 2013                   | Dr. Henry C. Clark    | YES                      | YES   | YES                             |  |

Social Science and Cross Cultural  
Syllabi Review and Report

| <b>COURSE</b> | <b>SECTION</b> | <b>Most Recent Syllabus</b> | <b>Professor</b>         | <b>Competency Stated</b> | <b>Competency Aligned Objectives/Activities</b> | <b>E-Portfolio Instructions</b> | <b>Notes</b>   |
|---------------|----------------|-----------------------------|--------------------------|--------------------------|---|---------------------------------|--|
| HIST 1240     | 1              | Spring 2012                 | Dr. James B. Jeffries    | YES                      | YES   | YES                             | Competencies referenced but not defined. Due to broken links, this was the most recent accessible syllabus in the repository                                     |
| HIST 1720     | 1              | Fall 2013                   | Dr. Henry C. Clark       | YES                      | YES   | YES                             | Competencies referenced but not defined.   |
| HIST 1720     | 2              | Fall 2013                   | Prof Steven Marks        | YES                      | YES   | YES                             | Competencies referenced but not defined.   |
| HIST 1720     | 3              | Fall 2013                   | Dr. Emily Wood           | YES                      | YES   | YES                             | Competency is stated and defined, but is not the most current version.   |
| HIST 1730     | 1              | Fall 2013                   | Prof Richard Saunders Jr | YES                      | YES   | YES                             | Competencies are stated and defined, but are not the most current version.   |
| HIST 1730     | 2              | Fall 2013                   | Dr. Allen Grubb          | NO                       | NO  | NO                              |  |
| HIST 1930     | *              | *                           | *                        | *                        | *   | *                               | NO SYLLABUS IN REPOSITORY  |
| HON 2020      | 1              | Fall 2013                   | William Lasser           | YES                      | YES   | YES                             |  |
| HON 2200      | 2              | Fall 2013                   | Prof Michael L. Meng     | NO                       | NO  | NO                              |  |
| PAS 3010      | 1              | Fall 2013                   | Dr. Abel A. Bartley      | NO                       | YES   | YES                             | Cross-Cultural Awareness competency is stated but not defined as part of e-portfolio directions. No mention of Social Sciences competency.                       |
| OSC 1010      | 2              | Fall 2013                   | Dr. Adam L. Warber       | YES                      | YES   | NO                              |  |
| OSC 1010      | 3              | Fall 2013                   | Dr. Laura Olsen          | YES                      | YES   | YES                             |  |
| OSC 1010      | 4              | Fall 2013                   | Joseph Stewart Jr        | YES                      | YES   | NO                              | Competencies are stated, but not verbatim. Mention is made of e-portfolio but no specific direction is given concerning which assignments qualify for inclusion. |

Social Science and Cross Cultural  
Syllabi Review and Report

| <b>COURSE</b> | <b>SECTION</b> | <b>Most Recent Syllabus</b> | <b>Professor</b>          | <b>Competency Stated</b> | <b>Competency Aligned Objectives/Activities</b> | <b>E-Portfolio Instructions</b> | <b>Notes</b>                          |
|---------------|----------------|-----------------------------|---------------------------|--------------------------|---|---------------------------------|---------------------------------------|
| POSC 1020     | 1              | Fall 2013                   | Dr. Aron G Tannenbaum     | YES                      | NO  | NO                              | Competencies stated but not defined.  |
| POSC 1020     | 2              | Fall 2013                   | Steven V. Miller          | NO                       | NO  | NO                              |                                       |
| POSC 1020     | 4              | Fall 2013                   | Colin Pearce              | NO                       | NO  | NO                              |                                       |
| POSC 1030     | *              | *                           | *                         | *                        | *   | *                               | NO SYLLABUS IN REPOSITORY             |
| POSC 1040     | 1              | Fall 2013                   | Xiaobo Hu                 | YES                      | YES   | YES                             |                                       |
| PSYC 2010     | 1              | Fall 2013                   | Dr. Jo Jorgensen          | YES                      | YES   | YES                             |                                       |
| PSYC 2010     | 1              | Fall 2013                   | Dr. Richard Pak           | NO                       | YES   | YES                             | Specific competencies are not stated. |
| PSYC 2010     | 2              | Fall 2013                   | Dr. Jo Jorgensen          | YES                      | YES   | YES                             |                                       |
| PSYC 2010     | 4              | Fall 2013                   | Dr. Fred Switzer          | YES                      | YES   | YES                             |                                       |
| PSYC 2010     | 5              | Fall 2013                   | Dr. Edwin G. Brainerd Jr. | NO                       | NO  | NO                              |                                       |
| PSYC 2010     | 6              | Fall 2013                   | Dr. Rick Tyrrell          | YES                      | NO  | NO                              | Competencies stated but not defined.  |
| PSYC 2010     | 8              | Fall 2013                   | Dr. Chris Pagano          | YES                      | YES   | YES                             | Competency stated but not defined.    |
| PSYC 2500     | 401            | Summer II 2013              | Dr. Jo Jorgensen          | YES                      | YES   | YES                             |                                       |
| PSYC 2750     | GEN            | Spring 2012                 | Dr. Matthew Crisler       | YES                      | YES   | YES                             |                                       |
| RS 3010       | 1              | Spring 2013                 | Kenneth L. Robinson       | NO                       | NO  | NO                              |                                       |
| SOC 2010      | 1              | Fall 2013                   | Dr. Sarah E. Winslow      | YES                      | YES   | YES                             |                                       |
| SOC 2010      | 3              | Fall 2013                   | Dr. Stephanie Southworth  | YES                      | YES   | YES                             | Competencies stated but not defined.  |
| SOC 2010      | 4              | Fall 2013                   | Mary Barr                 | NO                       | NO  | NO                              |                                       |
| SOC 2010      | 5              | Fall 2013                   | Jennifer Triplett         | YES                      | YES   | YES                             |                                       |
| SOC 2010      | 6              | Fall 2013                   | Jennifer Triplett         | YES                      | YES   | YES                             |                                       |
| SOC 2010      | 7              | Fall 2013                   | Dr. Stephanie Southworth  | YES                      | YES   | YES                             | Competencies stated but not defined.  |
| SOC 2010      | 8              | Fall 2013                   | Jennifer Triplett         | YES                      | YES   | YES                             |                                       |

Social Science and Cross Cultural  
Syllabi Review and Report

| <b>COURSE</b> | <b>SECTION</b> | <b>Most Recent Syllabus</b> | <b>Professor</b>         | <b>Competency Stated</b> | <b>Competency Aligned Objectives/Activities</b> | <b>E-Portfolio Instructions</b> | <b>Notes</b>                         |
|---------------|----------------|-----------------------------|--------------------------|--------------------------|---|---------------------------------|--------------------------------------|
| SOC 2010      | 9              | Fall 2013                   | Dr. Stephanie Southworth | YES                      | YES   | YES                             | Competencies stated but not defined. |
| SOC 2010      | 10             | Fall 2013                   | Jennifer Holland         | YES                      | YES   | YES                             | Competencies stated but not defined. |
| SOC 2010      | 11             | Fall 2013                   | Jennifer Holland         | YES                      | YES   | YES                             | Competencies stated but not defined. |
| SOC 2010      | 12             | Fall 2013                   | Jennifer Holland         | YES                      | YES   | YES                             | Competencies stated but not defined. |
| SOC 2010      | 13             | Fall 2013                   | Mary Barr                | NO                       | NO  | NO                              |                                      |
| SOC 2010      | 14             | Fall 2013                   | Dr. Jeff Edwards         | NO                       | YES   | NO                              |                                      |
| SOC 2010      | 15             | Fall 2013                   | Dr. Jeff Edwards         | NO                       | YES   | NO                              |                                      |
| SOC 2010      | 16             | Fall 2013                   | Dr. Jeff Edwards         | NO                       | YES   | NO                              |                                      |
| SOC 2010      | 17             | Fall 2013                   | Dr. Margaret Britz       | YES                      | YES   | YES                             | Competencies stated but not defined. |
| SOC 2010      | 18             | Fall 2013                   | Mary Barr                | NO                       | NO  | NO                              |                                      |
| SOC 2010      | 19             | Fall 2013                   | Mary Barr                | NO                       | NO  | NO                              |                                      |
| SOC 2010      | 391            | Fall 2013                   | Dr. Stephanie Southworth | YES                      | YES   | YES                             | Competencies stated but not defined. |
| SOC 2020      | 400            | Fall 2013                   | Dr. Catherine Mobley     | NO                       | NO  | NO                              |                                      |

## Rhonda Todd

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**From:** John Coggeshall  
**Sent:** Friday, October 25, 2013 2:50 PM  
**To:** Rhonda Todd  
**Subject:** FW: UCC Syllabi Report  
**Attachments:** Syllabi Report.xlsx

Hey, Rhonda:

Please distribute the attachment and notes as part of the Social Science Subcommittee report for the next UCC meeting.

Thanks—

Mike Coggeshall

**From:** Samuel Micah Hall [<mailto:shall7@q.clemson.edu>]  
**Sent:** Friday, October 25, 2013 12:57 PM  
**To:** John Coggeshall  
**Subject:** UCC Syllabi Report

Dr. Coggeshall,

Attached is the Excel spreadsheet containing information from my syllabus search. I have a few notes of explanation to include:

- 1- I changed the "Semester" column to "Most Recent Syllabus" because there were a couple classes which had a more recent syllabus listed in the repository, but the links were broken. I included this explanation in the "Notes" column for the affected classes.
- 2- I added the column "E-Portfolio Instructions" to indicate whether specific mention was made of how the course activities fit into the e-portfolio assignment.
- 3- I altered the color of the rows in order to visually separate the courses. The intent was to make it easier to distinguish subtle differences (HIST 1010 vs 1020, etc.) and allow for easier comparison of individual sections within a specific course.
- 4- I tried to standardize the language of the notes and keep them as brief as possible.
- 5- There are three classes for which I could find no information, past or present (CAAH 2010, HIST 1930, & HUM 3090). I included them on the list and indicated their absence in the "Notes" column.

Let me know if there is anything you would like me to change or add.

Micah

4 October 2013

**MEMORANDUM**

**TO:** the University Undergraduate Curriculum Committee

**FROM:** Bob Kosinski, CAFLS representative to the UUCC

**SUBJECT:** Proposed revision to the Natural Science competency

New wording is in blue.

Over the summer, I evaluated ePortfolio Natural Science artifacts along with several other faculty. My group became convinced that some changes need to be made to the wording of the competency. The existing competency is:

**(Existing) Demonstrate scientific literacy by explaining the process of scientific reasoning and applying scientific principles inside and outside of the laboratory or field setting.**

We thought that this is misleading, vague, and too narrow. We don't want students to explain the scientific method, we want them to demonstrate it by applying it to a real problem. "Apply scientific principles" was vague. "Inside and outside of the laboratory or field setting" is so broad that it is meaningless. Trivial assignments like worksheets are sometimes submitted, and we want to avoid that. Finally, the only acceptable artifacts now describe experiments that gather data and test hypotheses. Those are certainly preferable, but we thought that artifacts that critically analyze scientific literature should also be allowed. This would help transfer students in non-science majors who no longer have access to work they did in their introductory courses and must do a substitute assignment close to graduation. Therefore, we propose the following rewording:

**(Proposed) Demonstrate the process of scientific reasoning by performing an experiment and thoroughly discussing the results with reference to the scientific literature, or by studying a question through critical analysis of the evidence in the scientific literature.**

If this competency revision is approved, we would rewrite the "student tips" as follows:

- The simplest and most common way to address this competency is to submit a report on a formal laboratory or field study. The best artifacts will report on a scientific experiment in which an hypothesis is tested, data

are analyzed, and conclusions are drawn about the correspondence of the results to expected outcomes or values. These artifacts typically come from Biology, Chemistry, Physics, Geology, or Astronomy courses.

- Non-experimental (literature survey papers) may be submitted if they critically review natural science research, discuss and analyze issues raised by that research, and are best if they propose questions which arise from this analysis.
- The student's understanding of the science behind the experiment or literature should be evident in the artifact.
- Descriptions of routine measurement techniques, worksheets, short-answer assignments, book reports, PowerPoint presentations, lesson plans, and the like cannot demonstrate the Natural Science competency.

**Rhonda Todd**

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**From:** Bruce Whisler  
**Sent:** Monday, October 14, 2013 9:39 AM  
**To:** Rhonda Todd  
**Cc:** Joseph P Mazer; Thomas Oberdan; Pamela Mack  
**Subject:** STS 215

Hi Rhonda:

Would you report to the UUCC that the Arts & Humanities sub-committee has voted to approve STS 215 for A & H Non-Literature Gen Ed credit please? We had originally denied that course last year, but after meeting with the professor we have voted to approve it.

Thanks,  
Bruce Whisler



Approved Agenda Courses/Curricula  
November 1, 2013  
University Undergraduate Curriculum Committee

I. College of Agriculture, Forestry, and Life Sciences

|                                       |   |        |    |  |
|---------------------------------------|---|--------|----|--|
| A. Environmental Science              |   |        |    |  |
| EN SP 200                             | Intro. Environ. Sci - change prerequisites                                | 3(3,0) | 1  |  |
| B. Biological Sciences                |   |        |    |  |
| BIOSC 482                             | Lab Tec for Teachers - add cross-listing                                  | 3(1,6) | 3  |  |
| C. Biochemistry                       |   |        |    |  |
|                                       | BS Biochemistry - change curriculum requirements                          |        | 5  |  |
| D. Genetics                           |   |        |    |  |
|                                       | BS Genetics - change curriculum requirements                              |        | 11 |  |
| E. Entomology                         |   |        |    |  |
| ENT 407                               | Applied AG Entomology - change credit                                     | 4(3,3) | 17 |  |
| F. Plant Physiology                   |   |        |    |  |
| PL PH 340                             | Plant Med & Magic - change catalog title                                  | 3(3,0) | 19 |  |
| G. Soils and Sustainable Crop Systems |   |        |    |  |
| SSCS 445                              | Regulatory Issues - change credit, change catalog description             | 1(1,0) | 20 |  |
| SSCS 101                              | Surv Soil & Sus Crop - delete course                                      |        | 22 |  |
| SSCS 333                              | Agric. Genetics - delete course   |        | 23 |  |
| SSCS 450                              | Agri. Bio & Risk Asmt. - delete course                                    |        | 24 |  |
|                                       | BS SCS (Sustainable Crop Production) - change major name, curriculum req  |        | 25 |  |
|                                       | BS SCS (Agricultural Biotechnology) - change major name, curriculum req   |        | 33 |  |
|                                       | BS SCS (Soil/Water Environmental Sci) - change major name, curriculum req |        | 40 |  |

II. College of Art, Architecture, and Humanities

|                    |  |        |    |  |
|--------------------|--|--------|----|--|
| A. Performing Arts |  |        |    |  |
|                    | BA Production Studies in Performing Arts (Audio Tech) - concentration change |        | 47 |  |
| PA 279             | Perf Arts Pract I - change prerequisites                                     | 1(1,0) | 48 |  |
| PA 401             | Senior Project - change catalog title, prerequisites                         | 4(3,3) | 50 |  |
| PA 403             | Portfolio II - change catalog description                                    | 1(0,0) | 52 |  |
| PA 491             | Honors Research - change prerequisites                                       | 3(3,0) | 54 |  |
| PA 492             | Honors Projects - change prerequisites                                       | 3(3,0) | 56 |  |
| B. Music           |  |        |    |  |
|                    | BA Prod Studies in Performing Arts (Music) - concentration change            |        | 57 |  |
| MUSIC 101          | Beg Class Piano I - change catalog title, transcript title                   | 1(0,0) | 58 |  |
| MUSIC 102          | Beg Class Piano II - change catalog title, transcript title                  | 1(0,0) | 60 |  |
| MUSIC 111          | Beg Class Guitar I - change catalog title, transcript title                  | 1(0,0) | 62 |  |
| MUSIC 112          | Beg Class Guitar II - change catalog title, transcript title                 | 1(0,0) | 64 |  |
| MUSIC 131          | Beg Instr Class - delete course  |        | 66 |  |
| MUSIC 321          | Prin of Piano Performance - delete course                                    |        | 67 |  |
| MUSIC 342          | Women's Breakout - change catalog description                                | 1(0,0) | 68 |  |
| MUSIC 369          | Symphony Orchestra - change catalog description                              | 1(0,0) | 70 |  |
| MUSIC 373          | University Chorus - change prerequisites                                     | 1(0,0) | 72 |  |
| MUSIC 405          | Instr & Vocal Arr - change prerequisites                                     | 3(2,3) | 73 |  |
| MUSIC 415          | Music Hist to 1750 - change catalog description, prerequisites               | 3(3,0) | 75 |  |
| MUSIC 416          | Music Hist since 1750 - change catalog description, prerequisites            | 3(3,0) | 77 |  |
| MUSIC 430          | Conducting - change prerequisites  | 3(3,0) | 79 |  |

C. Theatre

|          |  |        |     |
|----------|--|--------|-----|
|          | BA Prod Studies in Performing Arts (Theatre) - concentration change        |        | 81  |
| THEA 315 | Theatre History I - change catalog description                             | 3(3,0) | 82  |
| THEA 368 | Voice for the Stage - change prerequisites                                 | 3(2,3) | 84  |
| THEA 372 | Creative Drama - change catalog description                                | 3(3,0) | 86  |
| THEA 374 | Movement for Actors - change prerequisites                                 | 3(1,1) | 88  |
| THEA 376 | Stage Directing I - change prerequisites                                   | 3(2,3) | 90  |
| THEA 467 | Costume Design - change prerequisites                                      | 3(3,0) | 92  |
| THEA 472 | Improve: Intr, Dev Tex - change catalog title, transcript title, catalog d | 3(3,0) | 94  |
| THEA 476 | Stage Directing II - change catalog description                            | 3(2,3) | 97  |
| THEA 479 | Acting II - change prerequisites   | 3(2,3) | 99  |
| THEA 480 | Advanced Scene Study - change catalog description                          | 3(2,3) | 101 |
| THEA 499 | Indep Studies - change prerequisites                                       | (,)    | 104 |

### III. College of Business and Behavioral Science

#### A. Sociology

|  |   |  |     |
|--|---|--|-----|
|  | BA Sociology - change gen ed requirements |  | 106 |
|--|---|--|-----|

### IV. College of Engineering and Science

|  |                                |  |     |
|--|--------------------------------|--|-----|
|  | Overview of curriculum changes |  | 109 |
|--|--------------------------------|--|-----|

#### A. Environmental Engineering and Earth Sciences

|          |  |        |     |
|----------|--|--------|-----|
| EE&S 403 | Water Waste Lab - change catalog title, transcript title, catalog desc., | 1(0,0) | 111 |
| EE&S 303 | Water Treatment - new course   | 2(2,0) | 113 |
| EE&S 304 | Wastewater Trmt Syst - new course  | 2(2,0) | 115 |

#### B. Electrical and Computer Engineering

|         |  |        |     |
|---------|--|--------|-----|
|         | BS Electrical Engineering - change curriculum requirements |        | 117 |
|         | BS Computer Engineering - change curriculum requirements   |        | 120 |
| ECE 875 | P2P Wireless & Cloud - new graduate course                 | 3(3,0) | 123 |

#### C. Environmental Engineering

|          |  |        |     |
|----------|--|--------|-----|
|          | BS Environmental Engineering - change curriculum requirements    |        | 125 |
| EE&S 486 | Pollution Prevention - change catalog title, catalog description | 3(3,0) | 130 |

#### D. Mechanical Engineering

|        |  |        |     |
|--------|--|--------|-----|
|        | BS Mechanical Engineering - add major name       |        | 132 |
| ME 202 | Founda Mech Syst - change prerequisites          | 3(3,0) | 135 |
| ME 302 | Mech of Materials - change prerequisites         | 3(3,0) | 137 |
| ME 306 | Fund Machine Design - change catalog description | 3(3,0) | 139 |

#### E. Computer Information Systems

|  |  |  |     |
|--|--|--|-----|
|  | BS Computer Information Systems - change curriculum req. |  | 141 |
|--|--|--|-----|

#### F. Computer Science

|           |  |          |     |
|-----------|--|----------|-----|
|           | BS Computer Science - change curriculum requirements |          | 143 |
|           | BA Computer Science - change curriculum requirements |          | 145 |
|           | Digital Production Arts - change minor requirements  |          | 147 |
| CPSC 352  | Programming Systems - change prerequisites           | 3(3,0)   | 148 |
| CPSC 1990 | Creating Inquiry Computing - new course              | 1-3(1-3) | 149 |
| CPSC 3990 | Adv Creative Inquiry Computing - new course          | 1-3(1-3) | 151 |
| CPSC 4820 | Spec Topics Computing - new course                   | 3(3,0)   | 153 |

#### G. Engineering

|           |                                   |        |     |
|-----------|-----------------------------------|--------|-----|
| ENGR 1051 | Eng Disc & Skills I - new course  | 1(0,2) | 155 |
| ENGR 1061 | Eng Disc & Skills II - new course | 1(0,2) | 157 |
| ENGR 1071 | Prog/Prob Solv I - new course     | 1(0,2) | 159 |
| ENGR 1081 | Prog/Prob Solv II - new course    | 1(0,2) | 161 |

Approved Agenda Courses/Curricula

November 1, 2013

University Undergraduate Curriculum Committee  
 Prog/Prob Solve Apps - new course

ENGR 1091

1(0,2) 163

V. College of Health, Education, and Human Development

A. Secondary Education

|  |  |     |
|--|--|-----|
| BS Mathematics Teaching - change curriculum requirements       |  | 165 |
| BA Secondary Education (Math) - change curriculum requirements |  | 169 |

B. Parks, Recreation, and Tourism Management

|           |   |        |     |
|-----------|---|--------|-----|
|           | Revisions to the Therapeutic Recreation Program           |        | 173 |
|           | BS PRTM (Therapeutic Recreation) - change curriculum req. |        | 175 |
| PRTM 2600 | Foundations of Rec Therapy - new course                   | 3(3,0) | 178 |
| PRTM 2650 | Terminology in RT Practice - new course                   | 1(1,0) | 180 |
| PRTM 3220 | Facilitation Techniques in RT - new course                | 3(3,0) | 182 |
| PRTM 3230 | Prof Prep for RT Practice - new course                    | 3(3,0) | 184 |
| PRTM 3240 | Assessment & Planning in RT - new course                  | 4(4,0) | 186 |
| PRTM 3260 | RT Imp & Eval: Phys Hlth Cond - new course                | 3(3,0) | 188 |
| PRTM 3270 | RT Imp & Eval: Ment Hlth Cond - new course                | 3(3,0) | 190 |
| PRTM 3280 | Preceptionship in RT - new course                         | 2(0,4) | 192 |
| PRTM 4220 | Management of RT Services - new course                    | 3(3,0) | 194 |
| PRTM 4260 | Trends & Issues in RT - new course                        | 3(3,0) | 196 |
|           | Therapeutic Recreation - change minor name, requirements  |        | 198 |

\*\* Items in gray have been pulled until the December meeting for further review or explanation.