MEMORANDUM

TO: Debra Jackson, Institutional Effectiveness and Assessment
    Doris R. Helms, Vice President for Academic Affairs and Provost
    James F. Barker, President

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

DATE: January 9, 2008

SUBJECT: Administrative Approval of Curriculum Items

The Undergraduate Curriculum Committee met on December 7, 2007, to approve the attached curriculum/course changes received in the Office of the Provost, January 9, 2008. The purpose of this memorandum is to respectfully request that you review this information and concur by giving final approval.

APPROVED:

EXCEPTION: New conc in lang & Internally Health - e-mail attached

Debra Jackson DATE 1-22-08
DR. DEBRA JACKSON, INSTITUTIONAL EFFECTIVENESS AND ASSESSMENT

Doris R. Helms DATE 1-24-08
DR. DORIS HELMS, VICE PRESIDENT FOR ACADEMIC AFFAIRS & PROVOST

James F. Barker, President Clemson University

Attachments
A College of Engineering and Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO E 101</td>
<td>Biology for Bioengineers</td>
<td>01(01.00)</td>
</tr>
<tr>
<td>BIO E 460</td>
<td>International Special Research Topics in Bioengineering</td>
<td>03(00.09)</td>
</tr>
<tr>
<td>BIO E 461</td>
<td>International Study in Bioengineering</td>
<td>03(03.00)</td>
</tr>
<tr>
<td>BIO E 201</td>
<td>Introduction to Biomedical Engineering</td>
<td>03(03.00)</td>
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</table>

b Change of prerequisite

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>C E 341</td>
<td>Introduction to Fluid Mechanics</td>
</tr>
<tr>
<td>C E 342</td>
<td>Applied Hydraulics and Hydrology</td>
</tr>
<tr>
<td>E C E 329</td>
<td>Computer Systems Structures</td>
</tr>
<tr>
<td>E C E 352</td>
<td>Programming Systems</td>
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c Curriculum change

<table>
<thead>
<tr>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
<td>BS Bioengineering, Biomaterials Concentration</td>
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<tr>
<td>BS Bioengineering, Bioelectrical Concentration</td>
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d Change of prerequisite

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CES 101</td>
<td>Engineering Disciplines and Skills with Recitation</td>
</tr>
<tr>
<td>ENGR 141</td>
<td>Programming and Problem Solving</td>
</tr>
<tr>
<td>I E 210</td>
<td>Design and Analysis of Work Systems</td>
</tr>
<tr>
<td>I E 440</td>
<td>Decision Support Systems in Industrial Engineering</td>
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</table>

h Change of title, change of description, change of prerequisite

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ENGR 141</td>
<td>Programming and Problem Solving</td>
</tr>
<tr>
<td>I E 457</td>
<td>Transportation and Logistics Engineering</td>
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<tr>
<td>I E 488</td>
<td>Human Factors Engineering</td>
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m New course

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>GEOL 370</td>
<td>Western US Field Study</td>
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o Curriculum change

<table>
<thead>
<tr>
<th>Concentration</th>
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<tbody>
<tr>
<td>BA Mathematical Sciences</td>
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p Change of prerequisite

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ME 201</td>
<td>Statics and Dynamics for Mechanical Engineers</td>
</tr>
<tr>
<td>ME 203</td>
<td>Foundations of Thermal and Fluid Systems</td>
</tr>
<tr>
<td>ME 302/H302</td>
<td>Mechanics of Materials</td>
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<tr>
<td>ME 304</td>
<td>Heat Transfer</td>
</tr>
<tr>
<td>ME 305</td>
<td>Modeling and Analysis of Dynamic Systems</td>
</tr>
<tr>
<td>ME 306</td>
<td>Fundamentals of Machine Design</td>
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<td>Course</td>
<td>Title</td>
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<tr>
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<tr>
<td>ME 308/H308</td>
<td>Fluid Mechanics</td>
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<tr>
<td>ME 333</td>
<td>Mechanical Engineering Laboratory II</td>
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<tr>
<td>ME 400</td>
<td>Senior Seminar</td>
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<tr>
<td>ME 401</td>
<td>Mechanical Engineering Design</td>
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<tr>
<td>ME 402</td>
<td>Internship in Engineering Design</td>
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<tr>
<td>ME 444</td>
<td>Mechanical Engineering Laboratory III</td>
</tr>
</tbody>
</table>

**q Course deletion**
- ME 205 | Computer Analysis in Engineering | 03(03,00) |
- ME 301 | Materials for Mechanical Engineering Applications | 03(03,00) |

**r New Honors Courses**
- ENGR H 190 | Special Projects in Engineering | 01-03(00-01,00-04) |
- ENGR H 290 | Special Projects in Engineering II | 01-03(00-01,00-04) |
- ENGR H 390 | Special Projects in Engineering III | 01-03(00-01,00-04) |
- ENGR H 490 | Special Projects in Engineering IV | 01-03(00-01,00-04) |
- IE H 268 | Creative Inquiry Seminar in IE | 01(01,00) |

**B College of Agriculture, Forestry and Life Sciences**

**a Change of title**
- AVS 209 | Livestock Exhibition Techniques | 02(01,02) |
- AVS 360 | Internship | 01-12(00,03-36) |

**b Course deletion**
- AVS 260 | Internship | 01-12(00,03-36) |

**c New course**
- BIOSC 203 | Environment, Energy and Society | 03(03,00) |
- BIOSC 478 | Exercise Physiology | 03(03,00) |
- BIOSC 479 | Kinesiology | 03(03,00) |
- BIOSC 482 | Laboratory Techniques for Teaching Science | 03(01,06) |
- BIOSC 484 | Human and Comparative Vertebrate Embryology | 03(03,00) |

**d Change of title**
- BIOCH 491/H491 | Directed Research in Biochemistry | 01-08(00,03-24) |

**e Crosslisting**
- BIOCH 440 | Bioinformatics | 03(03,00) |
- GEN 440 | Bioinformatics | 03(03,00) |

**f New course**
- C R D 494 | Creative Inquiry | 01-03(01-03,00) |
- EX ST 402 | Introduction to Statistical Computing | 03(03,00) |

**g Change of course modifier**
- FD SC 450 | Creative Inquiry | 01-06(01-06,00) |

**h Change of abbreviation, change of title, change of description**
- F N R 490 | Field Training in Natural Resources | 03(00,09) |

**i Change of title**
- GEN 491/H491 | Directed Research in Genetics | 01-08(00,03-24) |

**j Change of credit hours distribuition, change of course identifiers**
- HORT 408 | Horticulture Discovery and Inquiry | 01-03(01-03,00) |

**k Change of prerequisite**
- MICRO 415/H415 | Microbial Genetics | 04(03,03) |

**l Change of description, change of prerequisite**
- MICRO 411/H411 | Pathogenic Bacteriology | 04(03,03) |

**m New course**
- PKGSC 299 | Creative Inquiry--Packaging Science | 01-04(01-04,00) |
- PKGSC 399 | Creative Inquiry--Packaging Science | 01-04(01-04,00) |
- PKGSC 499 | Creative Inquiry--Packaging Science | 01-04(01-04,00) |
Courses/Curricula approved at the December 7, 2007 meeting of the Undergraduate Curriculum Committee

n Change of prerequisite
PKGSC 320 Package Design Fundamentals 03(02,03)
PKGSC 368/H368 Packaging and Society 03(03,00)
PKGSC 401 Packaging Machinery 03(03,00)
PKGSC 420 Package Design and Development 03(02,03)
R S 401 Human Ecology 03(03,00)
RS 459 The Community 03(03,00)

o Course deletion
PKGSC 471 Wood and Paper Packagaiing 03(03,00)

p Curriculum change
BS Genetics ✓
BS Biochemistry ✓
Biochemistry Minor ✓
Genetics Minor ✓
BS Wildlife and Fisheries Biology ✓
BS Agricultural and Applied Economics (name change) to
BS Applied Economics and Statistics (CHF notification) ✓

- BS Biological Science, Pre-Pharmacy Emphasis Area ✓
- BS Biological Sciences ✓
- BA Biological Sciences, Pre-Rehabilitation Sciences Emphasis Area ✓
- BA Biological Sciences ✓
- BS Packaging Science ✓
- BS Microbiology ✓
- BS Animal and Veterinary Sciences, Animal Agribusiness Concentration ✓
- BS Animal and Veterinary Sciences, Equine Business Concentration ✓
- BS Animal and Veterinary Sciences, Preventerinary and Science Concentration ✓

C College of Business and Behavioral Science
a New course
PSYCH 250 Pursuing Happiness 03(03,00)
PSYCH 456 Applied Psychophysiology 03(03,00)
PSYCH 482 Positive Psychology 03(03,00)
MKT 443 Advertising Strategy 03(03,00)

b Crosslisting
ANTH 371 Language and Culture 03(03,00)
LANG 371 Language and Culture 03(03,00)

c Curriculum change
BA Psychology ✓
BS Psychology ✓
Management Information Systems Minor ✓
Pre-Business ✓

D College of Health, Education and Human Development
a New course
ED 190 Leadership, Citizenship and Community Service 03(03,00)

b Curriculum change
BS Science Teaching, Biological Sciences Concentration and
BA Secondary Science ✓
Health Sciences, Pre-professional Health Sciences Concentration ✓
Health Sciences, Health Promotion and Education ✓
Health Sciences, Health Services Administration Concentration ✓
E College of Architecture, Arts and Humanities

a New course
- L&IH 127 Introduction to Language and International Health 01(01,00)
- L&IH 400 Internship Abroad 03(00-03,00)
- CHIN 317 Chinese for Health Professionals I 03(03,00)
- CHIN 417 Chinese for Health Professionals II 03(03,00)
- FR 363 French and Francophone Poetry 03(03,00)

b Curriculum change
- Modern Languages Minor ✓
- BS Language and International Health - not as presented

c New course
- REL H102 World Religions 03(03,00)
- PHIL 328 Philosophy and Technology of the Bodies 03(03,00)
- WS 103 Women in Global Perspective 03(03,00)

d Crosslisting
- WS 349 Gender and Sexuality 03(03,00)
- PHIL 349 Gender and Sexuality 03(03,00)
- WS 423 Women in Dev World 03(03,00)
- ANTH 423 Women in Dev World 03(03,00)

e Curriculum change
- Women's Studies Minor

f New course
- ENGL 420 American Literature to 1799 03(03,00)
- ENGL 421 American Literature from 1800 to 1899 03(03,00)

g Change of title, change of description
- ENGL 463 Topics in Literature to 1699 03(03,00)
- ENGL 464 Topics in Literature from 1700-1899 03(03,00)
- ENGL 465 Topics in Literature from 1900 03(03,00)

h Course deletion
- ENGL 203/H203 Survey of English Literature I 03(03,00)
- ENGL 204/H204 Survey of English Literature II 03(03,00)
- ENGL 205/H205 Survey of American Literature I 03(03,00)
- ENGL 206/H206 Survey of American Literature II 03(03,00)
- ENGL 207/H207 Survey of World Literature I 03(03,00)
- ENGL 208/H208 Survey of World Literature II 03(03,00)
- ENGL 209/H209 Contemporary Literature 03(03,00)

h Curriculum change
- BA English

i Change of credit, change of course identifier(s)
- ARCH 355 Studio South 06(01,11)

j New course
- MUSIC 308 Broadway Vocal Tradition I 03(03,00)
- MUSIC 309 Broadway Vocal Tradition II 03(03,00)
- ART 105 Foundations Drawing I 03(00,06)
- ART 106 Foundation Drawing II 03(00,00-03)
- ART 221 Beginning New Media 03(03,03)

k Change of description, change of title
- ART 305 Intermediate Drawing 03(00,06)

l Change of title, change of description
- ART 151 Foundations in Visual Art I 03(00,06)
Courses/Curricula approved at the December 7, 2007 meeting of the Undergraduate Curriculum Committee

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Approval Date</th>
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<tbody>
<tr>
<td>ART 152</td>
<td>Foundations Art II</td>
<td>03(00,06)</td>
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<tr>
<td>ART 205</td>
<td>Change of title, change of description, change of prerequisite</td>
<td>03(00,03)</td>
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<tr>
<td></td>
<td>Beginning Life Drawing</td>
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<td>n</td>
<td>Curriculum change</td>
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<tr>
<td></td>
<td>BFA Visual Arts</td>
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<tr>
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<td>STS 499 Independent Study</td>
<td>01-03(01-03,00)</td>
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<td>F</td>
<td>Calhoun Honors College</td>
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<tr>
<td>a</td>
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<tr>
<td></td>
<td>C H S H207 Reasoning, Critical Thinking and Problem Solving</td>
<td>03(03,00)</td>
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