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: May 22, 2012

SUBJECT: Administrative Approval of Curriculum Items

The Undergraduate Curriculum Committee met on May 4, 2012 to approve the attached curriculum/course changes received in the Office of the Provost, May 22, 2012. The purpose of this memorandum is to respectfully request that you review this information and concur by giving final approval.

APPROVED:

Debra Jackson DATE June 1, 2012
DR. DEBRA JACKSON, INSTITUTIONAL EFFECTIVENESS AND ASSESSMENT

Doris R. Helms DATE 6/11/12
DR. DORIS HELMS, VICE PRESIDENT FOR ACADEMIC AFFAIRS & PROVOST

James F. Barker, President Clemson University

C: File

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

A. Food Science - change minor requirements

B. Agricultural Mechanization and Business
   AG M 219     Agribusiness and Food System - new course  3(3,0)  2

C. Horticulture
   HORT 256/656  Vegetable Crops - change title, credit, method, and description  3(1,6)  4
   HORT 472/672  Gardening with Youth-change title, credit, method, description  3(3,0)  6

D. Soils and Sustainable Crop System
   Soil/Water Environmental Science - change requirement  8
   Agricultural Biotechnology - change requirement  10
   Sustainable Crop Production - change requirement  12

E. Wildlife and Fisheries Biology - change curriculum requirement  14

F. Packaging Science - change of major - copies are on the table  LATE

II College of Architecture, Arts and Humanities

A. Languages
   LANG 254     Introduction to World Cinemas - new  3(2,3)  17

B. Communication Studies
   COMM 300     Comm in World Contx- change title, number, description  3(3,0)  19
   COMM 321     Communication Across Media - new course  3(3,0)  21
   COMM 322     Communication Design - new course  3(2,2)  23
   COMM 366     Special Topics- change description  25
   COMM 368     Org Comm Simulation - change title, description, prerequisites  3(3,0)  27
   COMM 430     Legal Communication - new course - tabled  3(3,0)  29
   COMM 431     Legal Communication Trial - new course - tabled  3(3,0)  31
   COMM 466     Advanced Special Topics - new course  3(3,0)  33

C. Performing Arts
   AUDIO 195     Audio 195 Cl - new course  1-4(1-4)  35
   AUDIO 295     Audio 295 Cl - new course  1-4(1-4)  36
   AUDIO 395     Audio 395 Cl - new course  1-4(1-4)  37
   AUDIO 495     Audio 495 Cl - new course  1-4(1-4)  38

III College of Engineering & Science

A. Bioengineering - change curriculum requirements - tabled
   BIO E 321     Biofluid Mechanics - change prerequisites  3(3,0)  44
   BIO E 412/612  Ortho Eng & Patho - change prerequisites  3(3,0)  45
   BIO E 423/623  Cardiovascular Eng - change prerequisites  3(3,0)  46

B. Chemistry
   CH-206     Inorg. Chem Lab - delete  48

C. Computer Engineering
   CPSC 411/611  Virtual Reality Sys - change prerequisites  3(3,0)  49
   CPSC 412/612  Eye Tracking Methods - change prerequisites  3(3,0)  50
   CPSC 414/614  Human/Comp Interact - change prerequisites  3(3,0)  51
   CPSC 419/619  Phys Based Animation - delete  52
V. College of Business and Behavioral Science

A. Accounting
   ACCT 204    Acct Procedures - change methog
   1(1,2)  61

B. Applied Economics
   AP EC 457/657    Nat Res Use Tech Pol - cross-listing, change prerequisites
                    63

C. Sociology - SOC-303/H303 - delete course - copies on the table
                    LATE

VI. Miscellaneous

   CU 197    New Student Seminar - new course
   1-3(1-3) 65
AGENDA
University Undergraduate Curriculum Committee Meeting
Friday—May 4, 2012—1:30 PM
E304 Martin Hall

I. Call to order

II. Introductions

III. Consideration of April meeting minutes

IV. Old business

V. New business
   A. SACS/QEP/Gen Ed – Debbie Jackson
   B. Committee Reports
      a. Arts & Humanities – Bruce Whisler
      b. Mathematical & Natural Sciences – Bob Green
      c. Social Science – Laura Olson
      d. Cross Cultural Awareness – Mike Coggeshall
         Approved Lang 254
      e. Science & Technology in Society – Pam Mack –
         Approved EN SP 400
      f. Ethical Judgment – Dan Wueste
      g. Critical Thinking – Chris Cox
      h. Communication – Michael LeMahieu

VI. Other business

VII. Adjourn
University Undergraduate Curriculum Committee
Minutes Meeting
President’s Conference Room, Sikes Hall
4/6/2012

Members Present: Jan Murdoch, chair; Michael Silvestri; Eric Touya; Mike Coggeshall; Angela Morgan; Bob Kosinski; John Gowdy; Brian Dominy; Bob Green; Roxanne Amerson; Ed Rock; McKee Thomason; Perry Austin; LaDon Wilson; Jeffrey Appling; Cecilia Hamby; Mary Bryant; Donna Barrett; Pam Mack; Shannon Clark; David Knox; and Rhonda Todd

Guests: Beth Lacy; Robert Barkley; Linda Henderson; and Jane Hodge;

Murdoch convened the meeting at 1:30 PM

Welcome and introductions

Approval of minutes

The committee approved the March meeting minutes.

New Business

A. iRoar Update – Murdoch stated that implementing the new student system has caused the review of many policies and procedures. The committee discussed two polices currently being reviewed, minimum grade requirements and course limits. Murdoch stated that this committee will be reviewing many of these polices at a future date. She then introduced Beth Lacy, project manager for iRoar.

Lacy presented a PowerPoint presentation to provide updates on the new Banner student system. A copy of the presentation is attached.

B. Gen Ed – Dr. Jackson was not able to attend, but should be on the agenda for the May meeting.
C. Committee reports – no reports
D. Curriculum/course approval – see attached

Appling brought new course CU 197 to the committee for review. Members agreed to carry back to their college for feedback. This course will be on the agenda for a vote next month.

Other Business

Kosinski stated that Academic Council passed a resolution that each college will provide faculty to score ePortfolios. He was concerned that this policy never came through this committee or any other that he knew about. Committee members discuss the policy.

There being no further business, the meeting was adjourned at 3:32 PM.

Minutes respectfully submitted by Rhonda Todd.
I. College of Agriculture, Forestry, and Life Sciences

A. Biochemistry - change minor

B. Genetics - change minor

C. Biological Sciences
   BIOSC-210 Intro to Toxicology - change prerequisites
   ANTH-451 Human Variation - crosslisting BIOSC-451

D. Microbiology
   MICRO-410/H410 Soil Microbiology - change credit, method of instructions, prerequisites
   MICRO-430/630 Soil Microbiology Lab - new course

E. Food, Nutrition, and Packaging Science
   Memorandum - GPA Requirement - AC approval needed
   Food Science Nutrition & Dietetic - change of requirements
   Food Science & Technology Conc - change of requirements
   Packaging Science - change of requirements/emphasis area
   Hold until May mtg. for confirmation of ENGL 311

II College of Architecture, Arts and Humanities

A. Architecture - Change of major

III College of Engineering & Science

A. International Engineering and Science Certificate -

B. Civil Engineering
   CE-447/647 Stormwater Management - change prerequisites
   CE-482/682 Grndwtr & Contm - change prerequisites

C. Chemistry
   CH-403 Adv Synth Tech - change prerequisites

D. General Engineering
   EG-208/H208 Engr Gr & Design - change prerequisites
   EG-210/H210 CAD & Engr App - change prerequisites

IV College of Health, Education and Human Development

A. Athletic Leadership
   AL-438 Selected Topics in Athletic Leadership - new course
   AL-439 Independent Study in Athletic Leadership - new course

B. Education
   ED-101 Effective Strategies for College Success - new course

C. Nursing
   NURS-416 Concepts in Transcultural Nursing - new course

V. College of Business and Behavioral Science

A. Anthropology
   ANTH-404 Anthropological Theories - new course
   ANTH-497 Senior Capstone - new course
<table>
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<tr>
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<tr>
<td>Anthropology - BS</td>
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THE NEW
STUDENT INFORMATION SYSTEM

• One of the top student information system software packages available

• Common User Community
  - More than 3000 institutions worldwide

• Vendor Supported Maintenance
  - Up-to-date software for federal regulations and best practices

Select Key Features of ROAR

• Single source for much of the university’s data
• Single source for accepting payments and issuing refunds
• Automated tracking of multiple degrees, majors and minors
• Centralized room scheduler
• Dynamic document management and storage system
• Comprehensive Web portal
• Enhanced admissions recruiting and tracking tools
**ROAR Organizational Chart**

**Glossary Project Terms**
- IROAR – Official name of the new student information system
- Banner – The software system that supports IROAR
- DegreeWorks – Web-based academic degree audit and planning tool
- Internet Native Banner (INB) – Administrative side of the Banner product
- Self-Service – User side through which faculty, staff and students will access the Banner product
- Go Live – Launch date when each IROAR module can be accessed by the Clemson Community

**ROAR Glossary Technical Terms**
- Distributed Reporting – Reporting that is managed by individual departments and offices, resulting in less dependence on CIT
- Identity Management – Management of individual identities, their authentication, roles and privileges across computer systems
**Glossary**

**Role-Based Terms**

- **Business Analyst** - Person who analyzes the organization and design of business needs
- **Functional Tester** - Person who validates an application based on required functions
- **Process Owner** - Person who has authority to oversee a process
- **Project QA** - A process used to verify efficiency and usability of software
- **Steering Committee** - Final authority over the project: Doris Helms, Vice President of Academic Affairs and Provost; Brett Dalton, Chief Financial Officer; and James Bottum, Vice Provost for Computing and Information Technology and Chief Information Officer

**ROAR Web Portal**

- Comprehensive and user-friendly gateway on the Web where faculty, staff and students access all the university's information systems

**Significant Changes for Students**

- Improved registration system
- Improved degree audit capabilities
- New graduation planning functionality
- Automatic notifications upon sign-in to the ROAR portal
- Online processes to replace many paper forms
**ROAR**

**Identity Management**

- Full integration with Blackboard and access to Workgroups
- Implementation of Workflow — allows many manual processes, such as course substitutions and changes of major, to be automated
- Access to other computer-based systems on campus, such as Human Resources and Parking Services
- Online lists of advisees
- Improved messaging capabilities

**ROAR**

**Identity Management**

- Each person will be assigned one user name and identification number; regardless of how many roles they may have on campus. Will establish CU Vault as the authoritative source for identity
- All employees and students will receive new identification cards

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**ROAR**

**Identity Management**

**Time Line**

- October — New photo ID for the Clemson Community
- December — Distribution of cards
- January
  - Activation of new Tiger ID cards
  - New students will have one username
**Reporting in ROAR**

- All university data will be housed and more easily accessed under one umbrella in ROAR.
- Reporting will be managed primarily by individual departments and offices—less dependence on CCT.

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**Faculty and DegreeWorks**

- Enhanced degree audit capabilities
- Comprehensive reporting capabilities
- Graduation planner to assist in advising
- Additional, more user-friendly online access to course information Degree audits for graduate degree curricula
- Dynamic notes feature for advising and record keeping

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**Impact to Faculty of Course Catalog & Degree Changes**

- Course numbering will change, allowing for greater flexibility
- Improved reporting capabilities related to courses, students, etc.
- Ability to track specific groups of students (cohorts)
- Searchable, online course catalog
- Courses can be identified by various attributes
**Communication Plan**
- Audience-specific focus
- Meetings/presentations
- Mock registration
- Facebook and Twitter pages
- Faculty blog
- Extensive training sessions for Internet Native Banner (INB) users
- Implementation team Web site

**Software/Products**
- DegreeWorks—degree audit system
- Banner Document Management System (BDMS)—document imaging and storage
- Schedule 25—room scheduler
- UCA—job scheduler
- Studio Abroad—study abroad
- Banner Relationship Management (BRM)—recruitment and relationship management
- TouchNet—counseling system
- Clean Address—address checker
- Sunapsis—international student tracking
- Workflow—document tracking

**Project Go Live Timeline**
- July 2012—Applicant portal go live
- December 2012—Course catalog and schedule go live
- January 2013—Financial Aid go live
- March 2013—Registration go live
- October 2013—Academic History go live
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<td>A. Food Science - change minor requirements</td>
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CPSC 428  Impl Prog Lan - change prerequisites 3(3,0)  56
CPSC 455/655  Computational Sci - change prerequisites 3(3,0)  57
CPSC 462/662/H46 Database Systems - change prerequisites 3(3,0)  58
CPSC 463/663  Online System 3(3,0)  59
CPSC 472/672/H47 Soft Dev Method - change prerequisites 3(3,0)  60

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