



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 *JWM*

DATE: May 22, 2012

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

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 B. 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 DATE *6/11/12*

JAMES F. BARKER, PRESIDENT CLEMSON UNIVERSITY

/rft

C: File

Attachments

Approved Courses/Curricula
 May 4, 2012
 University Undergraduate Curriculum Committee
 Items highlighted in dark gray were tabled or declined

I. College of Agriculture, Forestry, and Life Sciences	Credits	Page
A. Food Science - change minor requirements		1
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
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A. Languages		
LANG 254 Introduction to World Cinemas - new	3(2,3)	17
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COMM 366 Special Topics- change description		25
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BIO E 412/612 Ortho Eng & Patho - change prerequisites	3(3,0)	45
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CPSC 419/619 Phys Based Animation - delete		52

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CPSC 420/620	Comp Security Prin - change prerequisites	3(3,0)	54
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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

V. College of Business and Behavioral Science

A. Accounting

ACCT 204	Acct Procedures - change method	1(1,2)	61
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B. Applied Economics

AP EC 457/657	Nat Res Use Tech Pol - cross-listing, change prerequisites		63
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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
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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 Janie 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 policies currently being reviewed; minimum grade requirements and course limits. Murdoch stated that this committee will be reviewing many of these policies 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.

Agenda Courses/Curricula

April 6, 2012


University Undergraduate Curriculum Committee

I. College of Agriculture, Forestry, and Life Sciences	Credits	Page
A. Biochemistry - change minor		1
B. Genetics - change minor		2
C. Biological Sciences		
BIOSC-210	Intro to Toxicology - change prerequisites	3(3,0) 3
ANTH-451	Human Variation - crosslisting BIOSC-451	3(3,0) 9
D. Microbiology		
MICRO-410/H410	Soil Microbiology - change credit, method of instructions, prerequisites	3(2,3) 5
MICRO-430/630	Soil Microbiology Lab - new course	1(0,3) 7
E. Food , Nutrition, and Packaging Science		
	Memorandum - GPA Requirement - AC approval needed	11
	Food Science Nutrition & Dietetic - change of requirements	12
	Food Science & Technology Conc - change of requirements	14
	Packaging Science - change of requirements/emphasis area	16
	Hold until May mtg. for confirmation of ENGL 314	
II College of Architecture, Arts and Humanities		
A. Architecture - Change of major		21
III College of Engineering & Science		
A. International Engineering and Science Certificate -		24
B. Civil Engineering		
CE-447/647	Stormwater Management - change prerequisites	3(3,0) 31
CE-482/682	Grndwater & Contam - change prerequisites	3(3,0) 33
C. Chemistry		
CH-403	Adv Synth Tech - change prerequisites	2(0,2) 35
D. General Engineering		
EG-208/H208	Engr Gr & Design - change prerequisites	2(1,2) 36
EG-210/H210	CAD & Engr App - change prerequisites	2(1,2) 37
IV College of Health, Education and Human Development		
A. Athletic Leadership		
AL-438	Selected Topics in Athletic Leadership - new course	1-3 39
AL-439	Independent Study in Athletic Leadership - new course	1-3 41
B. Education		
ED-101	Effective Strategies for College Success - new course	3(3,0) 43
C. Nursing		
NURS-416	Concepts in Transcultural Nursing - new course	3(3,0) 45
V. College of Business and Behavioral Science		
A. Anthropology		
ANTH-404	Anthropological Theories - new course	3(3,0) 47
ANTH-497	Senior Capstone - new course	1(1,0) 49


Anthropology - BS	Add major name	51
Anthropology-BA	Add major name	58
Anthropology	General Education Checklist	64

B. Psychology

Psychology BS	change of major - curriculum requirements	66
Psychology BA	change of major - curriculum requirements	69




**THE NEW
STUDENT INFORMATION
SYSTEM**



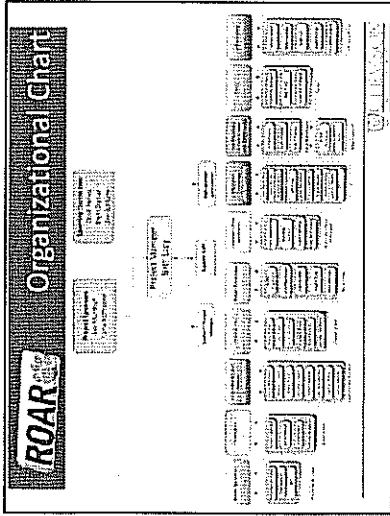
Why the Banner Software Package?

- One of the top student information system software packages available
- Common User Community
 - More than 1800 institutions world wide
- 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 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

W. CLEMSON UNIVERSITY

ROAR Glossary Technical Terms

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

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ROAR **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 **IRoar Web Portal**


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

ROAR **Significant Changes for Students**

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


ROAR Significant Changes for Faculty and Staff

- 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

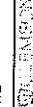
- Each person will be assigned one user name and identification number, regardless of how many roles he may have on campus Will establish CU Vault as the authoritative source for Identity
- All employees and students will receive new identification cards



ROAR Identity Management

Time Line

- October -- New photo ID for the Clemson Community
- December -- Distribution of cards
- January
 - Activation of new Tiger 1 cards
 - New students will have one username



ROAR Reporting in iROAR

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

ROAR Faculty and Degree Works

- 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

ROAR 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

ROAR 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

[View More](#)

ROAR Software/Products

- DegreeWorks—degree audit system
- Banner Document Management System (BDMS)—document imaging and storage
- Schedule 25—room scheduler
- UC4—job scheduler
- Studio Abroad—study abroad
- Banner Relationship Management (BRM)—recruitment and relationship management system
- TouchNet—cashiering system
- Clean Address—address checker
- Sunapsi—international student tracking
- Workflow—document tracking

[View More](#)

ROAR 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

[View More](#)

ROAR Project Concerns

- Justification of high cost of software
- Redistribution of job responsibilities
- Ease of use/understandability
- Adequate training within needed timeframe

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ROAR Contact Information

- Facebook page for student audience
 - www.facebook.com/pages/ROAR-Clemson-University/254285094622287
- Faculty Blog
 - [Blogs.clemson.edu/roar/](http://blogs.clemson.edu/roar/)
- For questions or concerns
 - Email roar@clemson.edu

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