



MEMORANDUM

TO: Debra Jackson, Institutional Effectiveness and Assessment
Robert Jones, Vice President for Academic Affairs and Provost

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

DATE: April 24, 2015

SUBJECT: Administrative Approval of Curriculum Items

DEAN
UNDERGRADUATE
STUDIES

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

The Undergraduate Curriculum Committee met on April 3, 2015 to approve the attached curriculum/course changes received in the Office of the Provost, April 24, 2015. The purpose of this memorandum is to respectfully request that you review this information and concur by giving final signature approval.

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

APPROVED:

Debra B. Jackson DATE 4/27/15
DR. DEBRA JACKSON, INSTITUTIONAL EFFECTIVENESS AND ASSESSMENT

Robert W. Jones DATE 5/22/15
DR. ROBERT JONES, VICE PRESIDENT FOR ACADEMIC AFFAIRS & PROVOST

/rft

C: File

Attachments

AGENDA
University Undergraduate Curriculum Committee Meeting
Friday—April 3, 2015 —1:30 PM
E304 Martin Hall

- I. Call to order
- II. Introductions
- III. Consideration of March meeting minutes
- IV. New Business
- V. Old Business
 - A. General Education Assessment Protocol
- VI. Committee reports
 - A. Arts & Humanities – Bruce Whisler
 - B. Mathematical & Natural Sciences – Bob Kosinski
 - 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 – Cameron Bushnell
- VI. Curricula/course approvals - attached
- VII. Other business
- VIII. Adjourn

Rhonda Todd

From: Cecelia Hamby
Sent: Wednesday, April 01, 2015 4:17 PM
To: Rhonda Todd; Janice Murdoch
Cc: Debra Sparacino
Subject: FW: Sec Ed English double majors
Attachments: Blanket Substitutions - Chemistry.docx

Rhonda,

In the catalog it states that students majoring in Science Teaching Chemistry, Biology, or Physics can receive a double major in BA/Chemistry, Biology, or Physics. However, there are some issues with the double major in Chemistry and Physics where students are missing several requirements. In the past individual substitutions were processed for students graduating, but in order to streamline the substitutions the College of Education has prepared a blanket waiver to cover these deficiencies. Attached is a draft copy of waiver that was prepared by Stacy Marcus for the College of Education. It appears that the waiver has gotten to a certain point and stopped. Please the email that was received today from Stacy Marcus regarding the status of the waiver. The College is also working on revising their curriculum map to footnote these approved substitutions.

We currently have three students in Science Teaching Chemistry who are registered as a double major and will not be allowed to graduate as a double major if these issues cannot be resolved. I have discussed these issues with Debra and she stated that we needed to bring this to the curriculum committee on Friday.

Cecelia S. Hamby

Academic Records Counselor
104 Sikes Hall
Clemson SC 29634
864-656-2174

January 26, 2015

Enrolled Student Services
Records and Registration
102 Sikes Hall
Clemson University
Clemson, SC 29634

To Whom It May Concern:

For students to receive the Bachelor of Arts double major in Science Teaching: Chemistry and Chemistry, the following courses may substitute for Chemistry BA requirements:

- CH 3300 Introduction Physical Chemistry may be substituted for the CH 3310 Physical Chemistry
 - Rationale: While the approach of the two courses differs in regard to the level of mathematical rigor, the content of the two courses (thermodynamics and chemical kinetics) is very similar. CH 3300 is appropriate for students advancing toward a Science Teaching: Chemistry Bachelor of Arts degree
- EDSC 3270 Practicum in Secondary Science may be substituted for ENGL 3140 Technical Writing
 - Rationale: EDSC requires students to observe and reflect on techniques employed by secondary school instructors to teach science. The writing required in this course is technical in the field of study of science teaching majors
- EDSC 4470 Teaching Internship in Secondary Science may substituted for the 6 hour Chemistry requirement
 - Rationale: Students are required to create and teach chemistry lessons in an assigned public school science classroom
- EDF 3010 Principles of American Education, EDF 3020 Educational Psychology, and EDLT 4980 may substitute for the 9 hour Chemistry arts and humanities/social science requirement
 - Rationale: students need 9 hours of courses unrelated to the sciences and these courses fill the requirement
- PHYS 2220 Physics with Calculus III may be substituted for the CH 3320 Physical Chemistry
 - Rationale: Both courses discuss quantum mechanics
- The science teaching statistics requirement may be substituted for the MATH 2060 Calculus of Several Variables requirement
 - Rationale: Students in Science Teaching are not required to take MATH 2060, however are required to take an upper level statistics course to meet the third math requirement in Chemistry
- If students do not have enough hours from excess electives, EDSP 3700 and EDSC 4270 may fill these hours

Rhonda Todd

To: Rhonda Todd
Subject: FW: Request for statement to be added to catalog

Happy Friday, Ladies,
I would like to submit the following statement to be inserted in the 1516 undergraduate announcements.

Under the **GRADUATION REQUIREMENTS** heading, in the catalog:
A student may specify up to two completed majors, two minors, and if applicable, two concentration/emphasis areas per degree when applying for graduation. Second (double) majors and additional fields of study will not be retroactively added to a student's record once the degree is conferred.

What is my next step?

LeDon M Wilson
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University Undergraduate Curriculum Committee
Minutes Meeting
E304 Martin Hall
March 6, 2015, 1:30 PM

Members Present: Jan Murdoch, chair; Joe Mazer, Mike Coggeshall; Angela Morgan; Bob Kosinski; Michael Sehorn; Mary Beth Kurz; Brian Dominy; Andy Tyminski; Hugh Spittler; Jan Comfort; Matt Abrams; Julie Pennebaker; David Knox; Jeff Appling; Gail Ring and Rhonda Todd

Guests: Penelope Brunner; Barbara Speziale and Ellen Granberg

Murdoch convened the meeting at 1:30 PM

Introductions

Murdoch welcomed the committee.

Approval of minutes

The committee approved the February meeting minutes.

Old Business

- A. **Proposed General Education Assessment Protocol** – Murdoch welcomed Ring for an update on pilot assessment program of General Education. Ring reported that volunteer participants are testing methods and various approaches to uploading samples. She stated that some are allowing students an opportunity during class time to upload, while others are uploading the student work themselves. She reported that she is keeping of log of issues, and they anticipate the new server will be up and running this semester.
- B. **Internship Courses Proposal** - Appling reported that issues are resolved.
- C. **Committee Reports**
 - a. Arts & Humanities – Bruce Whisler
 - b. Mathematical & Natural Sciences – Bob Kosinski
 - 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 – Cameron Bushnell
- D. **Curriculum/course approval** – See attached

Other Business

The meeting adjourned at 3:09 PM.

Minutes respectfully submitted by Rhonda Todd

Approved Courses/Curricula
 April 3, 2015
 University Undergraduate Curriculum Committee

I.	College of Architecture, Arts and Humanities				
A.	Department of English				
	ENGL 3530	Ethnic Am Lit	3(3,0)	1	
	ENGL 3540	Lit Mid East & North Africa	3(3,0)	3	
IV.	College of Agriculture, Forestry and Life Sciences				
A.	Department of Animal and Vet Sciences				
	AVS 2020	Introduction to Leadership	2(2,0)	6	
	AVS 2021	Introduction to Leadership Laboratory	1(2,0)	8	
B.	Department of Biological Sciences				
		BS Biological Science		10	
		Biological Sciences		13	
	BIOL 4920	Internship in Biological Science		15	
C.	Department of Microbiology				
	MICR 2050	Introductory Micro		18	
	MICR 3050	General Microbiology		20	
	MICR 4030/6030	Marine Microbiology	3(3,0)	22	
	MICR 4950	Service Learning		24	
	MICR 4920	Internship		27	
	**Items in gray are tabled and not approved at this meeting.				