



MEMORANDUM

TO: Jeremy King, Institutional Effectiveness and Assessment
Robert Jones, Vice President for Academic Affairs and Provost

FROM: John D. Griffin, Chair, Undergraduate Curriculum Committee

DATE: May 24, 2017

SUBJECT: Administrative Approval of Curriculum Items

ASSOCIATE PROVOST
AND DEAN
UNDERGRADUATE
STUDIES


Clemson University
E101 Martin Hall
Clemson, SC
29634

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F 864-656-1363

The Undergraduate Curriculum Committee met on April 7, 2017 to approve the attached curriculum/course changes received in the Office of the Provost, May 24, 2017. The purpose of this memorandum is to respectfully request that you review this information and concur by giving final signature approval.

APPROVED:

 DATE July 15/2017
DR. JEREMY KING, INSTITUTIONAL EFFECTIVENESS AND ASSESSMENT

 DATE 8/24/2017
DR. ROBERT JONES, VICE PRESIDENT FOR ACADEMIC AFFAIRS & PROVOST

/rft

C: File

Attachments

AGENDA
University Undergraduate Curriculum Committee Meeting
Friday—April 7, 2017 —1:30 PM
E304 Martin Hall

- I. **Call to order**
- II. **Introductions**
- III. **Consideration of March meeting minutes**
- IV. **New Business**
 - A. Proposed Change from Registrar – Blondeau
- V. **Old Business**
- 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**

University Undergraduate Curriculum Committee
Minutes Meeting
E304 Martin Hall
March 3, 2017, 1:30 PM

Members Present: Jeff Appling, acting chair; Mike Coggeshall; Camille Cooper; Lee Crandall; Pamela Dunston; Roger Gomes; Chris Kitchens; Bob Kosinski; Dale Layfield; Andrew Levin; Chad Sosolik; Mindy Spearman; Jack Wolf; Donna Barrett; Shannon Clark; Sissy Hamby; LeDon Wilson; Pam Mack and Rhonda Todd

Appling convened the meeting at 1:30 PM

Introductions

Appling welcomed the committee.

Approval of minutes

The committee approved the February meeting minutes.

New Business

- A. Biosystems Engineering Blanket Substitution – Hamby explained that if there are multiple sections of this course, Degree Works cannot work. She recommended individual substitutions for these students. The committee rejected the proposal.
- B. Memo - Combined BA-MED – Early Childhood Education, Elementary Education, Secondary Education, Science Teaching or Mathematics – Registrar personnel had concerns about the start date and courses that had not yet been approved. The committee suggested follow-up with Rosenblith.

Old Business

- A. Acalog Update – Clark reported that the catalog will not be printed this year.
- B. 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 – John Griffin
 - g. Critical Thinking – Sarah Winslow
 - h. Communication – Cameron Bushnell

Curriculum/course approval – See attached course list. Items in gray were tabled/withdrawn.

Other Business

The meeting adjourned at 2:21 PM.

Minutes respectfully submitted by Rhonda Todd



Date: February 3, 2017

To: John Griffin
Associate Provost and Dean of Undergraduate Studies

From: Terry Walker,
Professor, Biosystems Engineering

Terry Walker

Through: David Freedman
Professor and Chair, Environmental Engineering and Earth Sciences

David J. Freedman

Re: Blanket substitution

**ENVIRONMENTAL
ENGINEERING
AND
EARTH SCIENCES**

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Anderson, SC 29625

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PROGRAMS

B.Sc.

- Biosystems Engineering
- Environmental Engineering
- Geology

M.Sc.

- Biosystems Engineering
- Environmental Engineering & Science
- Hydrogeology

Ph.D.

- Biosystems Engineering
- Environmental Engineering & Science

The Biosystems Engineering curriculum has been revised. Students will no longer take ME 3100. Instead, we have developed a new course that covers thermodynamics, geared specially to Biosystems Engineering (BE) students. The new course meets all required competencies for thermodynamics. Currently, the new course is offered as a special topic (BE 4730, section 3). We have submitted the course approval forms to make the class permanent. The purpose of this memorandum is to seek your approval for a blanket substitution for BE students, so that BE 4730, section 3 will substitute for ME 3100 in the catalog year of 2015-2016.

Thank you for considering this request. Please let me know if you would like further information.



To: Dr. Jeff Appling, Associate Provost Undergraduate Studies

From: Suzanne Rosenblith, Associate Dean for Undergraduate Programs, College of Education

cc: Dr. George Petersen, Founding Dean College of Education, Dr. Jeff Marshall, Chair Teaching and Learning

Date: February 6, 2017

Re: Combined BA-MED

Dear Dr. Appling,

This memo is to inform you that the College of Education has elected to develop a 5-year combined Bachelor's to Master's program. This program will be open to all undergraduate majors with the exception of Special Education. All students will move from their BA/BS in a particular education major into an MED in Teaching and Learning. The program will begin to accept students on March 15, 2017.

Per the University regulations, only those students with a minimum GPA of 3.4 and 90 credit hours will be eligible to apply. Students will substitute up to 12 hours of graduate level courses during the second semester of their senior year in place of their student teaching. Student teaching will take place during the 5th year and shift from one semester in length to year-round. All students will have at least 150 credit hours completed by the time they earn their master's degree.

Attached you will find a description of the program.

Please let me know if you need any additional information.

Combined Degree Program
BA/BS in Early Childhood Education, Elementary Education, Secondary Education, Science
Teaching, or Mathematics Teaching,
And MED in Teaching and Learning

Education majors, at Clemson University may begin a Master of Education (MED) in Teaching and Learning while completing a Bachelor of Arts (BA) or Bachelor of Science (BS) in any of the undergraduate majors, with the exception of Special Education, offered in the College of Education. The Undergraduate curricula allow up to 12 credits of mutually acceptable graduate course credits to satisfy requirements of both degrees.

A. Undergraduate/graduate transition

1. Undergraduate students with a minimum overall GPR of 3.4 and a minimum of 90 credit hours may apply for acceptance by the Graduate School and to this joint program. If accepted, students must maintain an overall GPR of 3.4 in Education and a 3.0 average in the TL graduate courses to continue enrollment in this combined program.
2. In consultation with the Undergraduate Advising office and the Department Chair in Teaching and Learning, students in the combined program may choose up to 12 credit hours to satisfy the degree requirements of both degree programs. To count toward the BA/BS degree in Education, these courses must be approved as satisfying the requirements of the graduate curriculum in Teaching and Learning.
3. Students in the combined degree program are conditionally accepted to the graduate program until completion of the BA/BS degree requirements.
4. Graduate assistantships are not available for this program.

B. Graduate Program

1. The MED in Teaching and Learning requires all students to complete 5 Core classes and select an emphasis area. For this joint program, all students will select the emphasis in Teacher Residency.
2. Students must have at least 150 combined credit hours to earn the graduate degree
3. Complete information about the MED degree in Teaching and Learning may be found in the MED Teaching and Learning Handbook:

<http://www.clemson.edu/education/academics/masters-specialist-programs/index.html>

C. Information for Students

Students interested in the combined BA/BS/MED program should consult with the undergraduate academic advising office as early as possible. Students may also wish to consult with the Chair of the Department of Teaching and Learning. An application should

be submitted by the end of the junior year, but can be made at any time as long as the program requirements are fulfilled. Application is made via the GS6BS/MS form available from the Graduate School web site.

<http://www.clemson.edu/graduate/files/pdfs/GS6BSMS.pdf>

Please note that the GRE requirement for admission is eliminated for students approved via GS6BS/MS forms to pursue graduate degree programs.

D. Information for Departments

Departments should ensure that the courses to be double counted meet the following requirements: All courses must be at least 6000-level courses. Courses. Students may not take more than 12 graduate credit hours during their undergraduate program. Students in the combined program are not eligible for graduate assistantships.

Approved Courses/Curricula
April 7, 2017, 1:30 PM
E304 Martin Hall

I.	College of Architecture, Arts and Humanities				
	A.	Department of Languages			
		Tabled	ASL 3040	Internship in ASL - change title, schedule, description	1
			ASL 3050	Deaf Studies - change prerequisites	10
			ASL 3200	ASL Engl Intrpr in Elem Sch I - change prerequisites	12
			ASL 3250	ASL Engl Intrpr in High Sch I - change prerequisites	14
			ASL 3950	ASL English Interpreting Field Observation - add new course	16
			ASL 4050	Advanced Deaf Culture & History - add new course	26
		Tabled	ASL 4950	ASL English Interpreting Internship - add new course	40
	B.	Department of History			
			HIST 3810	Germany Since 1918 - change course	50
			HIST 3820	Germany 1945 - Present - add new course	53
II.	College of Behavioral, Social and Health Sciences				
	A.	Parks, Rec. & Tourism Management			
			PRTM 3480	Travel Immersion Experience - new course	57
III.	College of Engineering, Computing and Applied Sciences				
	A.	Material Science & Engineering			
			MSE 3420	Struct/Property Lab - change description	63
			MSE 3950	Honors Research I - delete course	70
			MSE 4020/6020	Solid State Materials - change description	72
			MSE 4130/6130	Noncrystalline Materials - change description	79
			MSE 4150/6150	Intro to Polymer Science - change description	86
			MSE 4450	Practice of Mat Engr - change description	93
			MSE 4600	Surface Lab - change description	101
	B.	Industrial Engineering			
		Tabled GPA Requirement		Industrial Engineering - change major	109
	C.	Electrical & Computer Engineering			
			ECE 4160/6160	Smart Gridd - add new course	117
			ECE 4310/6310	Intro to Computer Vision - add new course	124
			ECE 4370	Microelectromechanical Systems - change prerequisites	129
	D.	General Engineering			
			ENGR 1050	Engr Discipline & Skills I - change rationale, schedule, credit	131
			ENGR 1060	Engr Discipline & Skills II - change rationale, schedule, credit	134
			ENGR 1070	Programming & Problem Solve I - change rationale, schedule, credit	137
			ENGR 1080	Programming & Problem Solve II - change rationale, schedule, credit	140
			ENGR 1090	Prog/Problem Solving Apps - change rationale, schedule, credit	143
	E.	School of Computing			
			DPA 3071	Meth 3D Production Lab - change rationale, schedule	146

Approved Courses/Curricula

April 7, 2017, 1:30 PM

E304 Martin Hall

IV.	College of Business				
	A.	Accounting			
			ACCT 2990	Special Topics - add new course	150
V.	College of Education				
	A.	Athletic Leadership			
			AL 3490	Principles of Coaching - change prerequisites	151
			AL 3440	Athletics and Women - add new course	151-A
			AL 3510	CPR/AED for Athletic Coaches - change course	151-B
VI.	College of Agriculture, Forestry and Life Sciences				
	A.	Forest Resource Management - Land Surveying - add new emphasis area -			157
VII.	College of Science				
	A.	Chemistry			
			CH 4040	Mechanisms of Inorganic Reactions - add new course	176
	B.	Biological Science			
			BIOL 4030	Intro to Applied Genomics - change course	161
			BIOL 4480	Marine Ecology - change course	163
				BS Biological Sciences - change major	166
	C.	Environmental Toxicology			
			ETOX 4370/637	Environmental Toxicology - change prerequisites	174