



MEMORANDUM

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

FROM: John D. Griffin, Chair, Undergraduate Curriculum Committee *J.D.G.*

DATE: March 16, 2016

SUBJECT: Administrative Approval of Curriculum Items

DEAN
UNDERGRADUATE
STUDIES

Clemson University
E101 Martin Hall
Clemson, SC
29634

P 864-656-3492
F 864-656-1363

The Undergraduate Curriculum Committee met on March 4, 2016 to approve the attached curriculum/course changes received in the Office of the Provost, March 16, 2016. The purpose of this memorandum is to respectfully request that you review this information and concur by giving final signature approval.

APPROVED:

Debra B Jackson DATE *4/7/16*

DR. DEBRA JACKSON, INSTITUTIONAL EFFECTIVENESS AND ASSESSMENT

Robert J Jones DATE *4-14-2016*

DR. ROBERT JONES, VICE PRESIDENT FOR ACADEMIC AFFAIRS & PROVOST

/rft

C: File

Attachments

AGENDA
University Undergraduate Curriculum Committee Meeting
Friday—March 4, 2016 —1:30 PM
E304 Martin Hall

- I. Call to order**
- II. Introductions**
- III. Consideration of February meeting minutes**
- IV. New Business**
 - A. Double/Triple Counting - Appling
- V. Old Business**
 - A. Curriculum Cleanup – Griffin
 - 1) Memo – Political Science Minor
 - 2) Memo – History Department
- 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**

Modern Language Requirement for BA Majors

1. The Curriculum Committee has recently approved for the Foreign Language Requirement to be renamed the Modern Language Requirement. This change will appear in the 2016-2017 *Undergraduate Announcements*.
2. The Modern Language Placement Exam does not award a student any credit towards his or her Modern Language Requirement. It is solely used as a tool to help identify in which course a student should begin his or her language study.
3. Students will only receive exemption credit after completing a course at Clemson, with a grade of C or higher.
 - a. Just because a student has completed a 2020 language course, does not automatically mean he or she has qualified for exemption credit for courses missing in the 1010-2020 language course sequence. This affects students who transfer to Clemson and students who choose to take language courses at other institutions.
 - b. For example, if a student takes the equivalent of SPAN 2020 at another institution, and wants or needs credit for SPAN 1010, 1020, and 2010, he or she will need to take a 3000 level SPAN course at Clemson and pass that course with a grade of C or higher in order to be eligible for exemption credit.
 - c. If a student has met the Modern Language Requirement as specified by the student's degree program and that student does not want or need exemption credit for missing courses in the 1010-2020 language sequence, it is the student's responsibility to replace any missing credit hours with elective hours in order to reach the total number of credit hours required for the degree program.

Public Policy Minor

List of Approved Courses

The following is a list of courses that are acceptable for the policy domain requirements (nine credit hours) for the public policy minor.

| | | | |
|-----------------------|---|-----------------------|---|
| ACCT 3030 | Cost Accounting | ECON 4400 | Game Theory |
| ACCT 4040 | Individual Taxation | ENR (FOR) 4160 | Forest Policy and Administration |
| APEC (CRD, HLTH) 3610 | Intro. to Health Care Economics | ENR 4290 | Environmental Law and Policy |
| APEC (CRD) 4110 | Regional Impact Analysis | ENR 4500 | Conservation Issues |
| APEC (CRD) 4120 | Regional Economic Development Theory and Policy | ENSP 4000 | Studies in Environmental Science |
| APEC 4520 | Agricultural Policy | FDSC 3010 | Food Regulation and Policy |
| APEC 4570 | Natural Resource Use, Technology and Policy | FOR 3040 | Forest Resource Economics |
| APEC (WFB) 4750 | Economics of Wildlife Management and Policy | FOR 4000 | Public Relations in Natural Resources |
| CRP 4010 | Intro. to City and Regional Planning | FOR (ENR) 4160 | Forest Policy and Administration |
| CRP 4030 | Seminar on Planning Communication | FOR 4250 | Forest Resource Management Plans |
| CRD (APEC, HLTH) 3610 | Intro. to Health Care Economics | FOR 4260 | Forest Resource Management Plans Seminar |
| CRD (APEC) 4110 | Regional Impact Analysis | FOR 4310 | Recreation Resource Planning in Forest Management |
| CRD (APEC) 4120 | Regional Economic Development Theory and Policy | HLTH (APEC, CRD) 3610 | Intro. to Health Care Economics |
| ECON 3010 | Economics of Labor | HLTH 4310 | Public and Environmental Health |
| ECON 3030 | Economics and Sports | HLTH 4780 | Health Policy Ethics and Law |
| ECON 3090 | Government and Business | HIST 3250 | American Economic Development |
| ECON 3190 | Environmental Economics | HIST 3270 | American Business History |
| ECON 3400 | Behavioral Economics | HIST 3920 | History of the Environment of the United States |
| ECON 3600 | Public Choice | MGT 3050 | Economics of Transportation |
| ECON 4020 | Law and Economics | PRTM 3010 | Recreation and Society |
| ECON 4100 | Economic Development | PRTM 3200 | Recreation Policymaking |
| ECON 4110 | Economics of Education | PHIL 3450 | Environmental Ethics |
| ECON 4190 | Economics of Defense | PHIL 3460 | Medical Ethics |
| ECON 4200 | Public Sector Economics | POSC 3630 | United States Foreign Policy |
| ECON 4220 | Monetary Economics | POSC 3670 | Political Risk Assessment |
| ECON 4230 | Economics of Health | POSC 4230 | Urban Politics |
| ECON 4240 | Organization of Industries | POSC 4240 | Federalism and Intergovernmental Relations |
| ECON 4250 | Antitrust Economics | RS (SOC) 4010 | Human Ecology |
| ECON 4260 | Seminar in Sports Economics | SOC 4140 | Policy and Social Change |
| ECON 4270 | Development of the American Economy | SOC 4710 | Populations Issues and Methods |
| ECON 4280 | Cost-Benefit Analysis | WFB 4300 | Wildlife Conservation Policy |
| ECON 4350 | Family Economics | WFB (APEC) 4750 | Economics of Wildlife Management and Policy |

*It is the student's responsibility to meet any and all prerequisites listed in the *Undergraduate Announcements* catalog for all of the classes on these lists and to keep track of the credit hours for each course (not all of these courses are three credit hours).

--Updated List, Fall 2015

SUPPORT REQUIREMENT
2008/2009 – 2015/2016

1. **EITHER a minor (15 hour minimum requirement)**

OR

2. **15 hours selected from a department approved list as follows (*confirm that you have the required prerequisites*)**

- All 3xxx and 4xxx courses in ACCT, ECON, ELE, FIN, LAW, MGT and MKT
- All 2xxx and above foreign language courses (CHIN, FR, GERM, ITAL, JAP, RUSS, SPAN)
- CP SC 4620
- COMM 3610, 3640, 4640, 4800
- NPL 3000
- PHIL 3440
- POSC 3610, 3620, 4290
- PSYCH 3640, 3680, 3690, 4350, 4710
- SOC 3560, 4300
- Other courses may be acceptable, but must be approved **in advance** by the Department Chair

Rhonda Todd

From: Janis Miller
Sent: Friday, February 26, 2016 1:29 PM
To: Rhonda Todd
Cc: John M. Coggeshall
Subject: B.S. Management curriculum requirements that do not appear in the catalog

MEMO

To: Dean John Griffin via Rhonda Todd, E101 Martin Hall
From: Janis Miller, Chair, Department of Management Curriculum Committee
Date: February 26, 2016
RE: B.S. Management curriculum requirements that do not appear in the catalog

B.S. Management majors must complete a 15-hour support requirement. The catalog has footnote #4 that says "Management majors must complete a support area consisting of fifteen hours beyond the coursework required by the management curriculum and the management emphasis area requirement. Students should choose ONE of the following two ways to satisfy this requirement: (1) Declare and complete a minor requiring AT LEAST 15 hours of additional coursework; or (2) Complete 15 hours of coursework selected from the approved list of management support courses."

Support courses are presently programmed into Banner and appear on students' Degree Works.

The list of support courses is posted on the departmental website at

http://www.clemson.edu/cbbs/departments/management/files/pdfs/support-requirement_1516.pdf

Dr. Janis L. Miller
Graduate Programs Coordinator
Department of Management
120A Sarrine Hall
Box 341305
Clemson, SC 29634-1305
phone: (864) 656-3757
fax: (864) 656-2015
<http://people.clemson.edu/~janism>



@ClemsonManagement

Emphasis Area of concerns:

Chemical Engineering

- There are no codes in Banner or Degree Works for the Emphasis Areas. The Emphasis Area requirement has a footnote and the footnote reads the following:
See advisor for details. Nine credit hours devoted to completion of an emphasis area or approved minor are required. Emphasis areas are Applied Engineering, Mathematics and Science; Biomolecular Science and Engineering; Business Management; Environmental Engineering; Polymeric Materials; Energy Studies.
- There are no courses listed in the catalog. There are courses listed in Degree Works within the major for those areas that were supplied by the department.

Civil Engineering

- This major has codes for each of the Emphasis Areas
E141 – Applied Fluid Mechanics

E134 – Construction

E090 – Environmental Engineering

E162 – GeoTech/GeoEnvr Engineering

E133 – Structural Engineering

E142 – Transportation Engineering
- Courses are in Degree Works that were supplied by the department, however none of the emphasis areas or the courses are listed in the catalog. The Emphasis Area requirement has a footnote and the footnote reads the following:
See advisor for approved list. Technical Requirements and electives may be used to complete an emphasis area in one or more of the following fields: Applied Fluid Mechanics, Construction, Environmental Engineering, Geotechnical/ Geoenvironmental Engineering, Structural Engineering, or Transportation Engineering.

Physics (BS)

- The all but one of the emphasis areas have codes and are listed in the notes section in the catalog. There aren't any courses listed so the department must be diligent and submit those to Degree Works with each new catalog year.
- Interdisciplinary emphasis is without a code and without courses listed in the catalog. There are also no courses listed in Degree Works.

Food Science (Food Science and Technology Concentration) FDST

“Emphasis Area Requirements”

- Footnote #4 – See Advisor
 - 1011-1516 Degree Works does not have the names of 7 Emphasis Areas or course lists and they are not listed in the catalog.
 - 1617 Emphasis Areas (changed from 7 to 3) and course lists provided (UCC 12/2015 p.104). Footnote advice is “See advisor” with names of emphasis areas. It does not list the courses required.

Visual Arts

- Footnote #3 – Select an emphasis area from one of the studio disciplines included in the required core courses.
 - There aren't any emphasis area codes in the system for Visual Arts.
 - There aren't any emphasis areas listed in the catalog except a sentence in the description of the degree that reads "The department offers coursework in a number of studio disciplines, including ceramics, drawing, painting, printmaking, photography, sculpture and the new media arts."
 - Courses are given to Degree Works to add to each audit

MEMORANDUM

TO: Dean John Griffin, Chair of the University Undergraduate Curriculum Committee

FROM: Dr. Adam Warber, Department of Political Science *aw*

DATE: 16 February 2016

SUBJECT: Approved Course List for Public Policy Minor Requirements

**DEPARTMENT OF
POLITICAL SCIENCE**

Clemson University
232 Brackett Hall
Box 341354
Clemson, SC
29634-1354

P 864-656-3233
F 864-656-0690
polisci@clemson.edu

Dr. Jeff Appling contacted our department requesting that we send a list to your committee of the approved public policy courses that students working on a public policy minor can select from in order to complete the nine credit hours of the policy domain requirements for that minor. We keep copies of this list in the main office of the political science department for our minors to pick-up so that they can choose the courses that they would like to enroll in to fulfill these requirements. I have enclosed a copy of our current list of approved courses for your records. If you have any questions, do not hesitate to contact me at (864) 656-1828 or you can email me at awarber@clemson.edu.

MEMO

To: Dean John Griffin, Chair, UUCC

From: Caroline Dunn, History Dept Curriculum Committee

Date: 2/27/16

Subject: "See advisor" lists

CC: James Burns, Chair - History Department; Megan Taylor Shockley, Coordinator - Public History Emphasis Area; Joe Mazer, Chair – AAH Curriculum Committee; Rhonda Todd - Undergraduate Studies; Jeff Appling - Undergraduate Studies

The History Department, specifically the Public History Emphasis Area, would like to remove the phrase "or another course approved by the emphasis area coordinator" from the B.A. requirements, currently located on page 67 of the Undergraduate Announcements.

University Undergraduate Curriculum Committee
Minutes Meeting
E304 Martin Hall
February 5, 2016, 1:30 PM

Members Present: Jeff Appling, acting chair; Joe Mazer; Mike Coggeshall; Jack Wolf; Bob Kosinski; Michael Sehorn; Brian Dominy; Chris Kitchens; Andy Tyminski; Pamela Dunston; John Whitcomb; Hugh Spitler; Jan Comfort; Shiva Mohan; Cecelia Hamby; Reagan Blondeau; Carol Pelletier; Donna Barrett; Shannon Clark; Pam Mack; Penny Brunner; Daniel Wueste; LeDon Wilson and Rhonda Todd

Appling convened the meeting at 1:30 PM

Introductions

Appling welcomed the committee and opened the meeting with introductions.

Approval of minutes

The committee approved the December meeting minutes with one clarification issue for the Pass/No Pass Proposal. Todd will send corrected minutes to the committee.

New Business

- A. **Issue with Middle Eastern Studies Minor** – Appling reported that the Middle Eastern Studies Minor has an issue since finding out that Arabic will no longer be taught by the Modern Languages Department. Arabic is a requirement for the mission, so Dr. Saif proposed that students take the Arabic classes at nearby institutions. The committee discussed the issue and determined that since it would not be possible for students to take these courses elsewhere, the best solution would be to drop the Arabic requirement.

Old Business

- A. **Course and Curriculum Change System Update** – Appling reported that he received the workflow system updates after coming back in January. He stated that he ran into problems the first day, and after explaining the issues, he has not heard from them to date. Appling reported that there is still some discussion about moving to a commercial product.
- B. **Curriculum Cleanup** – Appling stated that one of Dr. Griffin's goals is to get Degree Works working for every major and minor, and in his effort to do this the "see advisor" lists must be eliminated, and changed to all accepted courses listed in the Banner system and in the *Undergraduate Announcements*. Appling distributed a list of all minors with issues (attached). He requested a clean course list in memo form be provided to this committee by April. Appling stated that more transparency is needed for students and for SACS. Committee members were concerned that these lists might be too long for footnotes. Appling suggested that a good rule is to have the lists published, and if there is any change to the lists, it must come through this committee.

C. Clean-Up for Next Phase of Banner – Blondeau stated that her office is beginning clean-up work for the implementation of the next phase of Banner. She reported that many emphasis areas are not in the system. The committee discussed, and Blondeau agreed to provide a list of problem areas, so that clean-up can begin. Appling reminded the committee that in the future, if it isn't in the catalog, it doesn't exist.

D. Committee Reports

- a. Arts & Humanities – Bruce Whisler – The subcommittee recommends approval of PHIL (CHIN) 4140 for meeting the A&H General Education requirement. The committee approved.
- 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

Curriculum/course approval – See attached

Other Business

The meeting adjourned at 3:01 PM.

Minutes respectfully submitted by Rhonda Todd

Agenda Courses/Curricula
 March 4, 2016
 University Undergraduate Curriculum Committee

| | | | |
|--|---|---|----|
| I. College of Architecture, Arts and Humanities | | | |
| A. | Landscape Architecture | | |
| | LARC 3521 | Urban Design Lab - delete course | 1 |
| | LARC 4511 | Community Design Lab - delete course | 3 |
| | LARC 4521 | Off Campus Studio Lab - delete course | 5 |
| II. College of Business and Behavioral Science | | | |
| A. | Anthropology | | |
| | ANTH 4280 | Law, Culture and Society - new course | 7 |
| B. | Graphic Communications | | |
| | GC 4800 | Senior Seminar - change existing course | 9 |
| | GC 4400 | Commercial Printing - change existing course | 11 |
| | GC 4060 | Package and Specialty Printing - change existing course | 13 |
| III. College of Agriculture, Forestry and Life Sciences | | | |
| A. | Animal and Veterinary Science | | |
| | AVS 2050 | Horsemanship Techniques - delete | 15 |
| | AVS 3860 | Adv Eq Behav & Train - delete | 17 |
| | AVS 4200 | Poultry Sci Online - delete | 19 |
| | AVS 2080 | Teaching Horsemanship - change | 21 |
| | AVS 4120 | Advanced Equine Management - change | 23 |
| | AVS 3850 | Equine Behav Train - change | 26 |
| | AVS 3851 | Equine Behavior and Training Laboratory - new | 29 |
| | AVS 4530 | Animal Reproduction - change | 32 |
| | AVS 4550 | Animal Repro Mgt - change | 35 |
| B. | Forest Resource Management | | |
| | FOR 4150 | Forest Wildlife Management - change | 38 |
| IV. College of Health, Education and Human Development | | | |
| A. | Parks, Recreation and Tourism Management | | |
| | | PRTM Recreational Therapy Curriculum Adjustment | 40 |
| V. College of Engineering and Science | | | |
| A. | Computer Science | | |
| | CPSC 3120 | Introduction to Design and Analysis - new course | 41 |
| | CPSC 4180/6180 | Usable Privacy and Security - new course | 44 |
| B. | Electrical and Computer Engineering | | |
| | ECE 4120 | Elect Mach Lab - change | 49 |
| | Tabled | Electrical and Computer Engineering Minor - change | 51 |
| | Tabled | ECE - change cluster minor - change minor requirement | 53 |
| | Tabled | ECE - change cluster minor - change minor requirement | 55 |
| C. | General Engineering | | |
| | ENGR 1050 | Engr Discipline & Skills I - change | 57 |
| | ENGR 1060 | Engr Discipline & Skills II - change | 60 |
| | | Blanket Substitutions | 63 |