

MINUTES OF THE MEETING  
OF THE UNDERGRADUATE ACADEMIC POLICIES AND PROCEDURES COMMITTEE  
November 2, 2016

The AP&P Committee met on Wednesday, November 2, 2016 at 3:00 p.m. in the William C. Strickland Conference Room of I.G. Greer Hall.

Committee members present: Dr. Jon Beebe, Dr. Teresa Carnevale, Dr. Ellen Cowan, Dr. Jeff Hirst, Dr. René Horst, Dr. Joe Klein, Mr. Jason Miller, Dr. Ben Powell, Dr. René Salinas, Mr. John Wiswell, Mr. Rice Neese, Mr. Travis O'Shell

Committee members excused: Dr. Tanga Mohr

Committee members unexcused: Dr. Ellie Hoffman, Dr. Cameron Lippard, Dr. Janice Pope

At 3:00 p.m., Dr. Ben Powell noted that we have a quorum and he called the meeting to order.

**Subcommittee**

**Approval of Minutes**

October 5, 2016

Vote 1 – To approve the October 5, 2016 minutes - PASSED

**Announcements**

“For Information Only” memo/list of items approved by the General Education Council on October 21, 2016. – MEETING WAS CANCELLED

**AP&P FIOs**

Semester Offerings Changes will be an FIO in the AP&P minutes for record keeping purposes. Semester offering changes are emailed to [semesterofferings@appstate.edu](mailto:semesterofferings@appstate.edu) from each Dean's Office.

- TEC 5139 Changed from Spring to Fall Effective 201740
- TEC 5149 Changed from Fall to Spring Effective 201740
- TEC 5210 Changed from Spring to Spring, Even numbered years Effective 201740
- TEC 5220 Changed from Fall to Fall, Odd numbered years Effective 201740
- TEC 5260 Changed from Fall to Fall, Even numbered years Effective 201740
- TEC 5380 Changed from Fall to Spring Effective 201740
- TEC 5390 Changed from Spring to On Demand Effective 201740
- TEC 5420 Changed from Summer School to Fall Effective 201740
- TEC 5430 Changed from Fall to Spring Effective Fall 201740
- TEC 5573 Changed from Spring to On Demand Effective Fall 201740
- COM 3333 Changed from Spring to On Demand Effective Fall 201740

## New Business

**Procedural note: All dual-listed graduate course changes are approved through the graduate AP&P Committee. The complete action of the proposal will be listed but only the undergraduate curriculum is voted on by UAP&P.**

Order of presentation  
College of Arts and Sciences

Dr. Cartaya-Marin presented proposals from the College of Arts and Sciences for the Department of Chemistry

The proposals from the Department of Chemistry were approved as follows: (EFFECTIVE: Fall 2017)

- GU\_CAS\_CHE\_2016\_01      Change the prerequisite statement of the undergraduate dual-listed course **CHE 4580/CHE 5580. Biochemistry I (3).F;S** to read as follows:  
**CHE 4580. Biochemistry I (3).F;S.**  
Prerequisites: BIO 1801; CHE 2101 or CHE 2202 with a minimum grade of "C-". Lecture three hours. [Dual-listed with CHE 5580.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.
- GU\_CAS\_CHE\_2016\_02      Change the prerequisite statement for the undergraduate dual-listed course **CHE 4582/CHE 5582. Biochemistry II (3).S.**  
**CHE 4582. Biochemistry II (3).S.**  
Prerequisite: CHE 4580 with a minimum grade of "C-". Lecture three hours. [Dual-listed with CHE 5582.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.
- U\_CAS\_CHE\_2016\_03      Delete the concentration in Preprofessional and Paramedical (214E) from the Bachelor of Science in Chemistry (214\*/40.0501).  
  
Add a concentration in Biochemistry (214K) to the Bachelor of Science in Chemistry (214\*/40.0501). The new program of study is at the end of the minutes.
- U\_CAS\_CHE\_2016\_04      Revise the program of study for the Bachelor of Science in Chemistry with a concentration in Forensic Science (214H/40.0501). The revised program of study is at the end of the minutes.

Vote 2 – To approve the proposals from the Department of Chemistry - PASSED

Dr. Bill Anderson presented proposals from the Department of Geology.

The proposals from the Department of Geology were approved as follows: (EFFECTIVE: Fall 2017)

- GU\_CAS\_GLY\_2016\_01      Change the title of the dual-listed undergraduate **GLY 4705/GLY 5705. Advanced Environmental and Engineering Geology (3).S.** to read as follows:  
**GLY 4705. Engineering Geology (3). S.**
- U\_CAS\_GLY\_2016\_02      Change the title, semester offering, and course description of **GLY 3131. Geochemistry (3).S.** to read as follows:  
**GLY 3131. Environmental Geochemistry (3). F.**  
Environmental Geochemistry examines the occurrence and movement of

elements through global earth systems, including natural and human modified environments. This course will introduce and investigate processes and factors controlling the geochemical cycles of elements within and between the hydrosphere, lithosphere, atmosphere and biosphere. Students will apply principles learned in lecture to real-world environmental problems. Lecture two hours, laboratory three hours. Prerequisites: GLY 2250, CHE 1101, CHE 1110 and MAT 1110, or permission of the instructor.

U\_CAS\_GLY\_2016\_03

Course Addition:

**GLY 2857. Paleontology Field and Museum Methods (1-3). On Demand.**

Course combines paleontological field and museum work to investigate topics related to evolution of life through time. The course typically requires multiple nights in the field collecting geological and paleontological data followed by time at a natural history museum preparing fossils and archiving data. Specific techniques covered may include field orientation using GPS and map data, rock identification, stratigraphic description and mapping, paleontological reconnaissance and fossil collection. Physically demanding with exposure to extreme weather events possible. Prerequisites: GLY 2250 and permission of instructor.

U\_CAS\_GLY\_2016\_04

Course Addition:

**GLY 3264. Paleontological Laboratory Techniques and Analytical Methods (1-3). On Demand.**

Lab- or seminar-style course focused on teaching techniques for fossil preparation, replication, imaging, and/or analysis. Topics will vary but may include fossil preparation, specimen imaging, and quantitative analysis of paleontological data. Preparation includes extraction of fossils from rock as well as molding, casting, scanning, and other techniques of fossil replication. Imaging of fossils may include photography and microscopic (optical and scanning) techniques. Analysis includes using mathematical techniques and software used to test paleobiological hypotheses. Prerequisites: GLY 2857 (Paleontology Field and Museum Methods) or GLY 3025 (Principles of Paleontology) or permission of instructor.

U\_CAS\_GLY\_2016\_05

Change the prerequisite statement of **GLY 3220. Fundamentals of Mineralogy (3).F.**

Prerequisites or corequisites: GLY 2745, CHE 1101, CHE 1110, or consent of the instructor.

Vote 3 - To approve proposals from the Department of Geology - PASSED

**Old Business**

Faculty Senate will approve a replacement for the seat vacated by Kathleen Lynch Davis, COE, before our next meeting November 30, 2016.

A proposal is in progress from Deans Council to allow credit of Cambridge courses that would be Effective Fall 2017. Until then, departments can grant credit on an individual basis until the proposal is approved.

**Other**

**Adjournment**

Vote 4 – To approve the motion to adjourn – PASSED

**UNDERGRADUATE ACADEMIC POLICIES AND PROCEDURES COMMITTEE**  
**November 2, 2016**  
 Unofficial Vote Record

<b>Committee Members</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
Jon Beebe	Y	Y	Y	Y									
Teresa Carnevale	Y	Y	Y	Y									
Ellen Cowan	Y	Y	Y	Y									
Jeff Hirst	Y	Y	Y	Y									
Ellie Hoffman	-	-	-	-									
René Horst	Y	Y	Y	Y									
Joe Klein	Y	Y	Y	Y									
Cameron Lippard	-	-	-	-									
Jason Miller	Y	Y	Y	Y									
Tanga Mohr	-	-	-	-									
Janice Pope	-	-	-	-									
Ben Powell	Y	Y	Y	Y									
René Salinas	Y	Y	Y	Y									
John Wiswell	Y	Y	Y	Y									
Rice Neese	Y	Y	Y	Y									
Travis O'Shell	Y	Y	Y	Y									

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The recommendations from the November 2, 2016 Undergraduate Academic Policies and Procedures Committee meeting are approved.

*Darrell P. Kruger*  
 Darrell P. Kruger  
 Provost and Executive Vice Chancellor

*11/30/2016*  
 Date

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**Bachelor of Science (BS)**

**Degree Code 214\***

**Concentration Code ~~214E214X~~**

**Program of Study for Chemistry Majors**

**~~PRE-PROFESSIONAL AND PARAMEDICAL BIOCHEMISTRY~~**

**I. GENERAL EDUCATION CURRICULUM .....44**  
*CHE 1101, 1110, 1102, 1120, and MAT 1110 will fulfill General Education requirements.*

**II. MAJOR REQUIREMENTS (Not including 12 s.h. already counted in I, above).....6869-70**  
**2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major department, plus any other courses under II. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.**

**A. Chemistry (32-36 semester hours)**

- CHE 1101/1110 \_\_\_\_ (4) Introductory Chemistry I & Laboratory (Co: CHE 1110)
- CHE 1102/1120 \_\_\_\_ (4) Introductory Chemistry II & Laboratory (Pre: CHE 1101 & 1110; Co: CHE 1120)
- CHE 2201 \_\_\_\_ (3) Organic Chemistry I (Pre: CHE 1102 & 1120; Co: CHE 2203)
- CHE 2203 \_\_\_\_ (1) Organic Chemistry I Lab (Pre: CHE 1102 & 1120; Co: CHE 2201)
- CHE 2202 \_\_\_\_ (3) Organic Chemistry II (Pre: CHE 2201 & 2203 w/minimum grade "C-"; Co: CHE 2204)
- CHE 2204 \_\_\_\_ (1) Organic Chemistry II Lab (Pre: CHE 2201 & 2203 w/minimum grade of "C-"; Co: CHE 2202)
- CHE 2210 \_\_\_\_ (3) Quantitative Analysis (Pre: CHE 1102 & 1120; Co: CHE 2211)
- CHE 2211 \_\_\_\_ (1) Quantitative Analysis Lab (Co: CHE 2210)
- CHE 3000 \_\_\_\_ (1) Introduction to Chemical Research (Pre: CHE 2101 or 2202; CHE 2210)
- CHE 3301 \_\_\_\_ (3) Physical Chemistry I (Pre: CHE 2210 & 2211; MAT 1120; PHY 1151)
- CHE 3303 \_\_\_\_ (1) Physical Chemistry I Laboratory [WID] (Pre: RC 2001; Pre/Co: CHE 3301)
- CHE 3404 \_\_\_\_ (3) Inorganic Chemistry (Pre: CHE 2101 & 2102 or 2202 & 2204; CHE 2210 & 2211)
- CHE 4000 \_\_\_\_ (1) Chemistry Seminar [CAP] (Pre: CHE 3000, 3301 & 3303)
- CHE 4580 \_\_\_\_ (3) Biochemistry I (Pre: CHE 2101 or 2202 with min grade C-; BIO 1801; Sr. standing)
- ~~CHE 4581 \_\_\_\_ (1) Biochemistry I Lab (Pre/Co: CHE 4580)~~
- ~~CHE 4582 \_\_\_\_ (3) Biochemistry II (Pre: CHE 4580 w/min grade C-; Sr standing)~~

**B. Physics (10 semester hours)**

- PHY 1150 \_\_\_\_ (5) Analytical Physics I (Co: MAT 1110) AND PHY 1151 \_\_\_\_ (5) Analytical Physics II (Co: MAT 1120)

**C. Mathematics (8 semester hours)**

- MAT 1110 \_\_\_\_ (4) Calculus w/Anly Geo I (Pre: MAT 1025 w/min grade C-) AND MAT 1120 \_\_\_\_ (4) Calc w/Anly Geo II (Pre: MAT 1110 w/min grade C-)

~~**D. Other Science (6-8 semester hours)** selected from: astronomy, biology, geology, or physics. *GLY 2301 or PHY 4842 may be used in General Education Integrative Learning Experience.* \_\_\_\_\_ (Physics courses at the 1000 level and PHY 3350 are not accepted)~~

**ED. Preprofessional & Paramedical Biochemistry Concentration (24-27-28 semester hours)** (Substitutions permitted with dept approval)  
 (Pre: BIO 1801 for all BIO courses ≥ 2000)

- BIO 1801 \_\_\_\_ (4) Biological Concepts I (Co: CHE 1101)
- BIO 2400 \_\_\_\_ (3) Genetics (Pre: CHE 1102; MAT 1025) OR BIO 2700 \_\_\_\_ (3) Human Genetics (Pre: CHE 1102; MAT 1025)
- BIO 2410 \_\_\_\_ (1) Genetics Laboratory (Pre or Co: BIO 2400 or 2700)
- ~~BIO 2600 \_\_\_\_ (3) Cell Biology (Pre: CHE 1102)~~
- ~~BIO 2610 \_\_\_\_ (1) Cell Biology Laboratory (Pre: MAT 1025; Pre/Co: BIO 2600)~~
- ~~BIO 3301 \_\_\_\_ (4) Human Systems Physiology [WID - BIO] (Pre: RC 2001; CHE 2201 or 2101)~~
- ~~BIO 3308 \_\_\_\_ (4) Microbiology (Pre: BIO 2400/2600/2700; CHE 1102 & 1120)~~
- ~~BIO 3800 \_\_\_\_ (4) Molecular Biology [WID - BIO] (Pre: RC 2001; CHE 2201 or 2101)~~

Choose **8-11-12** sh from:

- ~~BIO 2000 \_\_\_\_ (4) Introduction to Botany~~
- ~~BIO 2600 \_\_\_\_ (3) Cell Biology (Pre: CHE 1102)~~
- ~~BIO 2610 \_\_\_\_ (1) Cell Biology Laboratory (Pre: MAT 1025; Pre/Co: BIO 2600)~~
- ~~BIO 3301 \_\_\_\_ (4) Human Systems Physiology [WID - BIO] (Pre: RC 2001; CHE 2201 or 2101)~~
- ~~BIO 3308 \_\_\_\_ (4) Microbiology (Pre: BIO 2400/2600/2700; CHE 1102 & 1120)~~
- ~~BIO 3314 \_\_\_\_ (4) Comparative Vertebrate Zoology [WID - BIO] (Pre: RC 2001)~~
- ~~BIO 3800 \_\_\_\_ (4) Molecular Biology [WID - BIO] (Pre: RC 2001; CHE 2201 or 2101)~~
- BIO 4568 \_\_\_\_ (4) Immunology (Pre/Co: BIO 2400; Sr. standing)
- ~~ES 2031 \_\_\_\_ (4) Human Anatomy & Physiology I (Pre: one of BIO 1201, 1801, CHE 1101/1110; Co: one of BIO 1202, 1802, CHE 1102/1120)~~
- ~~ES 2032 \_\_\_\_ (4) Human Anatomy & Physiology II (Pre: ES 2031)~~
- ~~PHY 4820 \_\_\_\_ (3) Medical Physics (Pre: PHY 1104 or 1151)~~

**III. MINOR (optional)**

**IV. ELECTIVES (taken to total 122 hours for the degree)..... 8-109**

2 semester hours of free electives must be outside the major discipline.

I. GENERAL EDUCATION CURRICULUM..... 44  
*CHE 1101, 1110, 1102, 1120, and MAT 1110 will fulfill General Education requirements.*

II. MAJOR REQUIREMENTS (not including 12 semester hours already counted in I above) ..... 6974-76  
2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major department, plus any other courses under II. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.

A. Chemistry Course Requirements: ~~37-51-53~~ semester hours

CHE 1101	_____ (3)	Introductory Chemistry I (Co: CHE 1110)
CHE 1110	_____ (1)	Introductory Chemistry I Lab (Co: CHE 1101)
CHE 1102	_____ (3)	Introductory Chemistry II (Pre: CHE 1101 & 1110; Co: CHE 1120)
CHE 1120	_____ (1)	Introductory Chemistry II Lab (Co: CHE 1102)
CHE 2201	_____ (3)	Organic Chemistry I (Pre: CHE 1102 & 1120; Co: CHE 2203)
CHE 2203	_____ (1)	Organic Chemistry I Lab (Pre: CHE 1102 & 1120; Co: CHE 2201)
CHE 2202	_____ (3)	Organic Chemistry II (Pre: CHE 2201 & 2203 w/minimum grade "C-"; Co: CHE 2204)
CHE 2204	_____ (1)	Organic Chemistry II Lab (Pre: CHE 2201 & 2203 w/minimum grade of "C-"; Co: CHE 2202)
CHE 2210	_____ (3)	Quantitative Analysis (Pre: CHE 1102 & 1120; Co: CHE 2211)
CHE 2211	_____ (1)	Quantitative Analysis Lab (Co: CHE 2210)
<del>CHE 2400</del>	<del>_____ (3)</del>	<del>Introduction to Forensic Science &amp; Criminalistics (Pre: CHE 1102/1120)</del>
CHE 3000	_____ (1)	Introduction to Chemical Research (Pre: CHE 2101 or 2202; CHE 2210)
CHE 3301	_____ (3)	Physical Chemistry I (Pre: CHE 2210 & 2211; MAT 1120; PHY 1151)
CHE 3303	_____ (1)	Physical Chemistry I Laboratory [WID] (Pre: RC 2001; Pre/Co: CHE 3301)
CHE 3404	_____ (3)	Inorganic Chemistry (Pre: CHE 2101 & 2102 or 2202 & 2204; CHE 2210 & 2211)
CHE 3560	_____ (3)	Instrumental Methods of Analysis (Pre: CHE 3301 & 3303; Co: 3561)
CHE 3561	_____ (1)	Instrumental Methods of Analysis Lab (Co: CHE 3560)
<del>CHE 4000</del>	<del>_____ (1)</del>	<del>Chemistry Seminar [CAP] (Pre: CHE 3000, 3301 &amp; 3303)</del>
CHE 4580	_____ (3)	Biochemistry I (Pre: <u>BIO 1801</u> ; CHE 2101 or 2202 with minimum grade of C-; Sr. standing)
CHE 4581	_____ (1)	Biochemistry I Lab (Pre: CHE 2102 or 2204; Co: 4580; Sr. standing)
<del>CHE 4630</del>	<del>_____ (3)</del>	<del>Forensic Toxicology (Pre: CHE 2101 or 2202)</del>
<del>CHE 4640</del>	<del>_____ (4)</del>	<del>Analytical Methods in Forensic Chemistry (Pre: CHE 3560/3561)</del>
<del>CHE 4800</del>	<del>_____ (4)</del>	<del>Forensic Microscopy (Pre: CHE 2202)</del>

Choose one of the following for a Senior Capstone experience:

~~CHE 4000~~ \_\_\_\_\_ (1) ~~Chemistry Seminar [CAP] (Pre: CHE 3000, 3301 & 3303)~~

~~CHE 4900~~ \_\_\_\_\_ (1-12) ~~Internship in Chemistry [CAP] (Pre: CHE 3303) Students are limited to counting 3 hours of internship in their degree.~~

B. Physics (10 semester hours)

PHY 1150	_____ (5)	Analytical Physics I (Co: MAT 1110)
PHY 1151	_____ (5)	Analytical Physics II (Co: MAT 1120)

C. Mathematics (11 semester hours)

MAT 1110	_____ (4)	Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade C-)
MAT 1120	_____ (4)	Calculus with Analytic Geometry II (Pre: MAT 1110 w/min grade C-)
STT 2810	_____ (3)	Introduction to Statistics (Pre: MAT 1010 or higher)

D. Other Science (8 semester hours)

BIO 1801	_____ (4)	Biological Concepts I (Co: CHE 1101)
BIO 3800	_____ (4)	Molecular Biology [WID-BIO] (Pre: RC 2001; CHE 2201 or 2101; BIO 1801)

E. Criminal Justice Courses (~~15-6~~ semester hours)

<del>CJ 1100</del>	<del>_____ (3)</del>	<del>Introduction to Criminal Justice</del>	
<del>CJ 3400</del>	<del>_____ (3)</del>	<del>Theories of Crime and Justice</del>	
CJ 3405	_____ (3)	Forensic Investigation	
<del>CJ 3050</del>	<del>_____ (3)</del>	<del>American Legal System</del>	<b>OR</b>
<del>CJ 3552</del>	<del>_____ (3)</del>	<del>Criminal Procedure</del>	CJ 3551 _____ (3) Criminal Law

III. MINOR (optional)

IV. ELECTIVES (taken to total 122 hours for the degree) ..... 92-4  
2 semester hours of free electives must be outside the major discipline.

Electives recommended by department: BIO 2700/2410 Human Genetics & Genetics Lab (4); STT 3850 Statistical Data Analysis I (4)  
CHE 4590 Spectral Interpretations (2 s.h.), BIO 2400/2410 Genetics and Lab (4 s.h.), STT 3820 Statistical Methods I (3 s.h.)