AGENDA
PROFESSIONAL EDUCATION COUNCIL
3:30 - Wednesday, March 16, 2016
GRH 3073

I. Consideration of the Minutes from the February 10, 2016 meeting
(Minutes can be found on the CEBS Main Web Page – click on Faculty & Staff and then Meetings Minutes and Agendas).

II. New Business

A. Office of Teacher Services – College of Education and Behavioral Sciences

- Candidates Completing Requirements for Admission to the Professional Education Unit February 11, 2016 to March 16, 2016

- Spring 2016 Student Teacher Candidate Report

B. College of Health and Human Services – Department of Family and Consumer Sciences

1. Delete Program – 164 Communication Disorders, Planned Sixth Year/Rank I-Certification
2. Revise Program – 587, Bachelor of Science in Physical Education

C. Ogden College of Science and Engineering

1. Proposals to Revise Course Prerequisites/Corequisites

BIOL 319, Introduction to Molecular and Cell Biology
BIOL 322, Introduction to Molecular and Cell Biology Lab
BIOL 328, Immunology
BIOL 331, Animal Physiology Laboratory
BIOL 337, Genetics Laboratory
BIOL 403, Molecular Basis of Cancer
BIOL 407, Virology
BIOL 411, Cell Biology
BIOL 412, Cell Biology Laboratory
BIOL 440, Developmental Genetics
BIOL 464, Endocrinology
BIOL 496, Plant Biotechnology
MATH 403, Geometry for Elementary and Middle School Teachers
MATH 411, Problem Solving for Elementary and Middle Grades Teachers
MATH 413, Algebra and Technology for Middle School Teachers

1. Create a New course – AGED 160, Introduction to Agribusiness and Entrepreneurship
2. Create a New Course – AGED 200, Foundations of Agricultural Education
3. Revise a Program – Ref. 525, Major in Biology
4. Revise a Program – Ref. 617, Major in Biology
5. Revise Program – Ref. 519, Major in Biochemistry

Graduate Level:

1. Revise a Course - MATH 403G, Geometry for Elementary and Middle School Teachers
2. Revise a Course - MATH 405G, Numerical Analysis I
3. Revise a Course - MATH 406G, Numerical Analysis
4. Revise a Course - MATH 411G, Problem solving for Elementary and Middle School Teachers
5. Revise a Course - MATH 413G, Algebra and Technology for Middle Grades Teachers
6. Revise a Course - MATH 415G, Algebra and Number Theory
7. Revise a Course - MATH 417G, Algebraic Systems
8. Revise a Course - MATH 421G, Problem Solving for Secondary Teachers
9. Revise a Course - MATH 423G, Geometry II
10. Revise a Course- -MATH 429G, Probability/Statistics II
11. Revise a Course - MATH 431G, Intermediate Analysis I
12. Revise a Course - MATH 435G, Partial Differential Equations
13. Revise a Course - MATH 439G, Topology I
14. Revise a Course - MATH 450G, Complex Variables
15. Revise a Course - MATH 470G – Introduction to Operations Research
16. Revise a Course - MATH 482G, Probability & Statistics II
17. Revise a Course - MATH 501 Introduction to Probability and Statistics I
18. Revise a Course - MATH 502, Introduction to Probability and Statistics II
19. Revise a Course - MATH 503, Introduction to Analysis
20. Revise a Course - MATH 504, Application of Technology to Problems in Mathematics
21. Revise a Course - MATH 508, Number Concepts for Elementary and Middle Grades Teachers
22. Revise a Course - MATH 510, Intermediate Statistics
23. Revise a Course - MATH 511, Algebra from an Advanced Perspective
24. Revise a Course - MATH 512, Geometry from an Advanced Perspective
25. Revise a Course - MATH 514, Application and Modeling for Teachers
26. Revise a Course - MATH 517, Topics from Algebra
27. Revise a Course - MATH 529, Applied Probability
28. Revise a Course - MATH 531, Advanced Differential Equations
29. Revise a Course - MATH 532, Real Analysis
30. Revise a Course - MATH 535, Advanced Applied Mathematics
31. Revise a Course - MATH 539, Topology II
32. Revise a Course - MATH 540, Stochastic Processes
33. Revise a Course - MATH 542, Advanced Topics in Discrete Mathematics
34. Revise a Course - MATH 550, Complex Analysis
35. Revise a Course - MATH 570, Topics in Operations Research

D. Potter College of Arts and Letters – Department of English

1. Suspend/Delete/Reactive Program – 0443, Master of Arts in Education: Art Education Teacher Leaders
2. Revise Program – 509, A.B. Visual Studies, Art Education Concentration
3. Revise Program – 561, English for Secondary Teachers

III. Other Business

Candidates Completing Requirements for Admission to Professional Education Unit

February 11, 2016 – March 16, 2016

ELEMENTARY

Katherine Block

Danielle Stinson

MIDDLE GRADES

Kristin Abney – Science
Amber Hogan – Math
Johnathan Jackson – Math
Haley Kassinger - Math
Philip Kreisle – Science

SECONDARY

Rachel Bagshaw – Chemistry
Zachary Pennington – Math
Gabriel Ross - History

P-12

Kevin Leonard – PE

5-12

Whitney Tallent - FCS

SPED

Brooke Borders – LBD/ELED

TESL

Ashley Moody
Ann Schnuck

GRADUATE

Leah McMahan – MS/LME
Cassandra Pendergraff – MAT/MGE-Soc.Studies

If there are any questions or concerns about the status of any candidate, the person with the question or concern should contact Dr. Sam Evans, Teacher Services (745-4664 or sam.evans@wku.edu) prior to the PEC meeting.

SPRING 2016 STUDENT TEACHER CANDIDATE REPORT
PEC MEETING, 03/16/2016

INFORMATION AS OF 03/07/2016

TOTAL FALL 2016 student teacher candidates		102
Spring 2016 student teacher with incomplete	1	
International student teacher candidates		18
Deficient student teacher candidates		7
TOTAL MAT student teacher candidates		3
TOTAL candidates not admitted into Teacher Education		20
Candidates missing PRAXIS SCORES		10
Candidates pending ENGLISH or PUBLIC SPEAKING		1

Most candidates are in process of completing the 200 field observation hour requirement

5-12/AGRICULTURE

TOTAL	1	
Deficiencies		
Not admitted into Teacher Education	1	

5-12/FCS

TOTAL	1	
Deficiencies		
Not admitted into Teacher Education	1	

ELEMENTARY

TOTAL	58	
FALL 2015 (IP)	1	
Deficiencies		
Critical Performance	1	
Other (GPA, repeating coursework, etc.)		3

I.E.C.E

TOTAL	1	
Deficiencies		
Not admitted into Teacher Education	1	
Critical Performance	1	
Other (GPA, repeating coursework, etc.)		1

MGE/MATH

TOTAL	3	
Deficiencies		
Not admitted into Teacher Education	1	
Other (GPA, repeating coursework, etc.)		1

MGE/SOCIAL STUDIES/LANGUAGE ARTS

TOTAL 2

MGE/SCIENCE
TOTAL 3
Deficiencies
Not admitted into Teacher Education 3
Other (GPA, repeating coursework, etc.) 3

P-12/ART
TOTAL 4
Deficiencies
Not admitted into Teacher Education 4

P-12/MUSIC
TOTAL 6
Deficiencies
Not admitted into Teacher Education 6
Other (GPA, repeating coursework, etc.) 1

P-12/PE
TOTAL 3
Deficiencies
Critical Performance 1
Other (GPA, repeating coursework, etc.) 1

P-12/SPANISH
TOTAL 1

SEC/BIOLOGY
TOTAL 1
Deficiencies
Other (GPA, repeating coursework, etc.) 1

SEC/CHEMISTRY
TOTAL 1
Deficiencies
Not admitted into Teacher Education 1

SEC/ENGLISH
TOTAL 5

SEC/MATH
TOTAL 3
Deficiencies
Not admitted into Teacher Education 2

SEC/SOCIAL STUDIES

TOTAL	6
Deficiencies	
Not admitted into Teacher Education	1

MAT/MS STUDENT TEACHER CANDIDATES

LME	1
SPECIAL EDUCATION/LBD	2

Program - Suspend/Delete/Reactivate
(Consent)

Date: September 19, 2015
College: College of Health and Human Services
Department: Communication Sciences and Disorders
Contact Person: Jean Neils-Strunjas, PhD, jean.neils-strunjas@wku.edu 270-745-8998

1. **Identification of course or program:**
   1.1 Program reference number: 164
   1.2 Program title: "Communication Disorders, Planned sixth year/Rank 1 certification"

2. **Action:** ☐ suspend ☒ delete ☐ reactivate

3. **Rationale:** The master's program in speech-language pathology is no longer preparing students for initial teacher certification. In the only other master's program in the state that includes teacher certification as an option for speech-language pathology, the students obtain sufficient credits in that masters' degree program, and therefore do not need a Rank 1 program. Thus, the demand for the program will be diminished.

4. **Effect on programs or other departments:** All admitted students will be able to complete the program in a timeline specified with the Education Professional Standards Board in Kentucky. There should be no effect on other programs or departments.

5. **Term of implementation:** Fall 2016

5. **Dates of committee approvals:**

Department of Communication Sciences & Disorders	September 19, 2015
CHHS Graduate Curriculum Committee	10/16/2015
Professional Education Council	
Graduate Council	
University Senate	

Proposal Date: 2/10/2016

College of Health & Human Services
School of Kinesiology, Recreation & Sport
Proposal to Revise A Program
(Action Item)

Contact Person: Travis Esslinger; francis.esslinger@wku.edu; 745-3423

1. Identification of program:

1.1 Current program reference number: **587**
1.2 Current program title: **Bachelor of Science in Physical Education**
1.3 Credit hours: **48 hours in Physical Education and 25 professional education**

2. Identification of the proposed program changes:

- Revise Core Curriculum: Remove PE 483 Technology Applications in Physical Education
- Add LTCY 421 to the Physical Education Teacher Education Concentration
- Revise credit hours for major from 73 to 72-75

3. Detailed program description:

Current Program	**Proposed Program**
Program Description (WKU catalog)	New Program Description
The major in Physical Education (reference number 587) is designed to develop positive teaching skills in physical activity and to meet the needs for the development of qualified teachers in public/private schools or business settings or community agencies. The major requires ~~73~~ semester hours leading to a Bachelor of Science in Physical Education. Students, who complete the professional education requirements with the physical education teacher education concentration, may be certified in the teacher education program. Students in the physical education major must complete the following core courses: PE 111, 121, 122, 123, 211, 212, 220, 222, 223, 300, 310, 311, 313, 314, 319, 320, 324, 416 and ~~483~~. BIOL 131 is a prerequisite for PE 310 and 311. Students need to select one of the two concentrations: 1) Physical Education Teacher Education, or 2) Physical Education Movement Studies (non-certification). The Physical Education Teacher Education concentration requires the following ~~29~~ hours: EDU 250, PETE 322, PETE 415, SPED 330, PSY 310, SEC 478, SEC 489, and	The major in Physical Education (reference number 587) is designed to develop positive teaching skills in physical activity and to meet the needs for the development of qualified teachers in public/private schools or business settings or community agencies. The major requires **72-75 semester hours for the Physical Education Teacher Education concentration and 73 hours for the Physical Education Movement Studies Concentration, leading to a Bachelor of Science in Physical Education.** Students, who complete the professional education requirements with the physical education teacher education concentration, may be certified in the teacher education program. Students in the physical education major must complete the following core courses: PE 111, 121, 122, 123, 211, 212, 220, 222, 223, 300, 310, 311, 313, 314, 319, 320, 324, and 416. BIOL 131 is a prerequisite for PE 310 and 311. Students need to select one of the two concentrations: 1) Physical Education Teacher Education, or 2) Physical Education Movement Studies (non-certification). The Physical Education Teacher Education concentration requires the following **32** hours: PETE 322, PETE 415, EDU 250, SPED 330, PSY 310, **LTCY 421**, SEC 478, SEC 489, and two of the following: ELED 490, MGE 490, and SEC 490.

two of the following: ELED 490, and MGE 490, and SEC 490. The Physical Education Movement Studies (Non-Certification) concentration requires 29 total hours (half of which must be at the 300- or 400-level); PEMS 326 and PEMS 426 are required for this concentration. In addition, 12 hours of advisor approved electives and 13 hours from the following: SFTY 171, HMD 211, PH 381, PH 467, PH 385, PH 390, and PH 456. Students majoring in physical education are required to meet with their advisor before enrolling for the next semester. A health education minor is recommended for all physical education teacher education majors. Students must maintain a “C” or better in all coursework for this major. Students in the PETE concentration must meet all requirements for admission into the teacher education program and be admitted into teacher education prior to registering for PETE 415 and SEC 478	The Physical Education Movement Studies (Non-Certification) concentration requires 29 total hours (half of which must be at the 300- or 400-level); PEMS 326 and PEMS 426 are required for this concentration. In addition, 12 hours of advisor approved electives and 13 hours from the following: SFTY 171, HMD 211, PH 381, PH 467, PH 385, PH 390, and PH 456. Students majoring in physical education are required to meet with their advisor before enrolling for the next semester. A health education minor is recommended for all physical education teacher education majors. Students must maintain a “C” or better in all coursework for this major. Students in the PETE concentration must meet all requirements for admission into the teacher education program and be admitted into teacher education prior to registering for PETE 415 and SEC 478

Current Program				**Proposed Program**			
		Physical Education Core				Physical Education Core	
PE	111	Movement Themes and Concepts I	2	PE	111	Movement Themes and Concepts I	2
PE	121	Dance & Rhythm. Act.	2	PE	121	Dance & Rhythm. Act.	2
PE	122	Foundations of Kinesiology	3	PE	122	Foundations of Kinesiology	3
PE	123	Movement Themes and Concepts II	2	PE	123	Movement Themes and Concepts II	2
PE	211	Net/Wall & Target Sports	2	PE	211	Net/Wall & Target Sports	2
PE	212	Striking/Fielding & Inv. Sports	2	PE	212	Striking/Fielding & Inv. Sports	2
PE	220	Skill Progression and Assessment	2	PE	220	Skill Progression and Assessment	2
PE	222	Fitness/Wellness Applications	2	PE	222	Fitness/Wellness Applications	2
PE	223	Introduction to Teaching Phys. Ed	3	PE	223	Introduction to Teaching Phys. Ed	3
PE	300	Outdoor Education Act.	2	PE	300	Outdoor Education Act.	2
PE	310	Kinesiology	3	PE	310	Kinesiology	3
PE	311	Exercise Physiology	3	PE	311	Exercise Physiology	3
PE	313	Motor Development	3	PE	313	Motor Development	3
PE	314	Physical Education Curriculum	3	PE	314	Physical Education Curriculum	3
PE	319	Adapted Physical Education	3	PE	319	Adapted Physical Education	3
PE	320	Methods in Early & Middle	2	PE	320	Methods in Early & Middle	2

		Childhood Physical Education				Childhood Physical Education	
PE	324	Evaluation in P.E.	3	PE	324	Evaluation in P.E.	3
~~PE~~	~~483~~	~~Technology Application in Phys. Ed~~	~~1~~				
PE	416	Special Topics in Physical Education	1	PE	416	Special Topics in Physical Education	1
Total		Core	~~44~~	Total		Core	**43**
		Teacher Education Concentration				Teacher Education Concentration	
PETE	322	Field Experience in PE I	2	PETE	322	Field Experience in PE I	2
PETE	415	Field Experience in PE II	2	PETE	415	Field Experience in PE II	2
EDU	250	Introduction to Teacher Education	3	EDU	250	Introduction to Teacher Education	3
PSY	310	Educ. Psy. Dev. and Learning	3	PSY	310	Educ. Psy. Dev. and Learning	3
SPED	330	Intro to Exept. Ed. and Div.	3	SPED	330	Intro to Exept. Ed. and Div.	3
				LTCY	**421**	**Content Area Reading in the Middle/Secondary Grade**	**3**
SEC	478	Teaching Physical Education	3	SEC	478	Teaching Physical Education	3
EDU	489	Student Teaching Seminar	3	EDU	489	Student Teaching Seminar	3
Two of the following: ELED 490 Student Teaching MGE 490 Student Teaching SEC 490 Student Teaching			5	Two of the following: ELED 490 Student Teaching MGE 490 Student Teaching SEC Student Teaching			5
Total		Teacher Education Concentration	~~29~~	Total		Teacher Education Concentration	**32**
Overall		Core + Concentration	~~73~~	Overall		Core + Concentration	**75**
		Physical Education Movement Studies (Non-Certification)				Physical Education Movement Studies (Non-Certification)	
PEMS	326	Movement Studies Practicum I	2	PEMS	326	Movement Studies Practicum I	2
PEMS	426	Movement Studies Practicum II	2	PEMS	426	Movement Studies Practicum II	2
		From the following courses:	13			From the following courses:	13
SFTY	171	Safety and First Aid (1)		SFTY	171	Safety and First Aid (1)	
HMD	211	Human Nutrition (3 credits)		HMD	211	Human Nutrition (3 credits)	
PH	381	Community Health (3 credits)		PH	381	Community Health (3 credits)	
PH	467	Drug Abuse Education (3 credits)		PH	467	Drug Abuse Education (3 credits)	
PH	385	Environmental Health (3 credits)		PH	385	Environmental Health (3 credits)	
PH	390	Wellness and Fitness Assessment (3 credits)		PH	390	Wellness and Fitness Assessment (3 credits)	
PH	456	Independent Study (3 credits)		PH	456	Independent Study (3 credits)	
		Approved Electives	12			Approved Electives	12
Total		Physical Education Movement Studies (Non-Certification)	29	Total		Physical Education Movement Studies (Non-Certification)	29
Overall		Core + Concentration	~~73~~	Overall		Core + Concentration	**72**

4. Rationale for the proposed program change:

- LTCY 421 is being added, which is a literacy course now required (by the state of KY) for all Teacher Education majors.
- PE 483 Tech Applications in PE is being removed. This course was added in the 2010 PE curriculum change based on the data from students' proficiency in the standard relating to Technology. We are now implementing technology in each class so there is no need for a stand-alone class. This also helps to make room for the LTCY course.
- The curriculum changes result in a change in the total number of credit hours for each concentration.

5. Proposed term for implementation: Fall 2016

6. Dates of prior committee approvals:

School of Kinesiology, Recreation and Sport	2/12/2016
CHHS Undergraduate Curriculum Committee	2/26/2016
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 20 February 2016

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 745-5048

1. Identification of course:

1.1 Course prefix (subject area) and number: BIOL 319

1.2 Course title: Introduction to Molecular and Cell Biology

2. Current prerequisites/corequisites:

Prerequisites: BIOL 120/121 and BIOL 122/123 with grades of "C" or higher; CHEM 120/121
Corequisites: BIOL 322 or 337

3. Proposed corequisites:

Prerequisites: BIOL 120/121 and BIOL 122/123 with grades of "C" or higher; CHEM 120/121
Corequisites: None

4. Rationale for the revision of prerequisites/corequisites: The two corequisites, BIOL 322 (Introduction to Molecular and Cell Biology Laboratory) or BIOL 337 (Genetics Laboratory), are being removed to accommodate a student who wishes to take the lecture without taking the lab at the same time. Prerequisite requirements will not change.

5. Effect on completion of major/minor sequence: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 20 February 2016

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 270 745-5048

1. Identification of course:

1.1 Course prefix (subject area) and number: BIOL 322

1.2 Course title: Introduction to Molecular and Cell Biology Laboratory

2. Current corequisites:

BIOL 319 or BIOL 327. There are no current prerequisites.

3. Proposed prerequisites/corequisites:

Prerequisite/concurrent prerequisite: BIOL 319

Corequisite: None

4. Rationale for the revision of prerequisites/corequisites: Switching from corequisite to a prerequisite/concurrent prerequisite will allow students to take the lecture (BIOL 319, Introduction to Molecular and Cell Biology) counterpart alone, concurrently with the lab, or prior to taking the lab. The content taught in BIOL 327 (Genetics) is no longer an appropriate pairing with the concepts currently delivered in this lab course.

5. Effect on completion of major/minor sequence: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 20 February 2016

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 270 745-5048

1. Identification of course:

1.1 Course prefix (subject area) and number: BIOL 328

1.2 Course title: Immunology

2. Current prerequisites:

Prerequisites: BIOL 319 or BIOL 327 and BIOL 322 or BIOL 337

3. Proposed prerequisites:

Prerequisites: BIOL 319/322 or BIOL 327/337

4. Rationale for the revision of prerequisites/corequisites: The content delivered in BIOL 319 and BIOL 322 (Introduction to Molecular and Cell Biology) is best kept as a paired course instead of allowing the Genetics Lab (BIOL 337) to serve as alternative lab experience. The same is true of retaining BIOL 327 and BIOL 337 together in lieu of allowing BIOL 322 to serve as the lab course for BIOL 337.

5. Effect on completion of major/minor sequence: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 20 February 2016

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 745-5048

1. Identification of course:

1.1 Course prefix (subject area) and number: BIOL 331

1.2 Course title: Animal Physiology Laboratory

2. Current prerequisites/corequisites:

Prerequisites or corequisite: BIOL 330

3. Proposed corequisites:

Prerequisites/concurrent prerequisite: BIOL 330

Corequisites: None

4. Rationale for the revision of prerequisites/corequisites: The change of the corequisite link to a prerequisite/concurrent prerequisite for BIOL 330 (Animal Physiology) to accommodate a student who wishes to take the lecture without taking the lab at the same time.

5. Effect on completion of major/minor sequence: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 20 February 2016

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 270 745-5048

1. Identification of course:

1.1 Course prefix (subject area) and number: BIOL 337

1.2 Course title: Genetics Laboratory

2. Current corequisites:

BIOL 319 or BIOL 327. There are no current prerequisites.

3. Proposed prerequisites/corequisites:

Prerequisite/concurrent prerequisite: BIOL 327

Corequisite: None

4. Rationale for the revision of prerequisites/corequisites: Switching from corequisite to a prerequisite/concurrent prerequisite will allow students to take the lecture (BIOL 327, Genetics) counterpart alone, concurrently with the lab, or prior to taking the lab. The content taught in BIOL 319 (Introduction to Molecular and Cell Biology) is no longer an appropriate pairing with the concepts currently delivered in this lab course.

5. Effect on completion of major/minor sequence: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 20 February 2016

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 745-5048

1. Identification of course:

1.1 Course prefix (subject area) and number: BIOL 403

1.2 Course title: Molecular Basis of Cancer

2. Current prerequisites/corequisites:

Prerequisites: BIOL 319 and BIOL 322 or BIOL 337

3. Proposed corequisites:

Prerequisites: BIOL 319/322

4. Rationale for the revision of prerequisites/corequisites: The content taught in BIOL 337 (Genetics Lab) is no longer an appropriate pairing with the concepts currently delivered in BIOL 319 (Introduction to Molecular and Cell Biology). BIOL 322 (Introduction to Molecular and Cell Biology Lab) is the appropriate lab for BIOL 319.

5. Effect on completion of major/minor sequence: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 20 February 2016

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 745-5048

1. Identification of course:

1.1 Course prefix (subject area) and number: BIOL 407

1.2 Course title: Virology

2. Current prerequisites/corequisites:

Prerequisites: BIOL 319 and BIOL 322 or BIOL 337

3. Proposed corequisites:

Prerequisites: BIOL 319/322

4. Rationale for the revision of prerequisites/corequisites: The content taught in BIOL 337 (Genetics Lab) is no longer an appropriate pairing with the concepts currently delivered in BIOL 319 (Introduction to Molecular and Cell Biology). BIOL 322 (Introduction to Molecular and Cell Biology Lab) is the appropriate lab for BIOL 319.

5. Effect on completion of major/minor sequence: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 20 February 2016

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 270 745-5048

1. Identification of course:

1.1 Course prefix (subject area) and number: BIOL 411

1.2 Course title: Cell Biology

2. Current prerequisites:

Prerequisites: BIOL 319 or BIOL 327 and BIOL 322 or BIOL 337

3. Proposed prerequisites:

Prerequisites: BIOL 319/322 or BIOL 327/337

4. Rationale for the revision of prerequisites/corequisites: The content delivered in BIOL 319 and BIOL 322 (Introduction to Molecular and Cell Biology) is best kept as a paired course instead of allowing the Genetics Lab (BIOL 337) to serve as alternative lab experience. The same is true of retaining BIOL 327 and BIOL 337 together in lieu of allowing BIOL 322 to serve as the lab course for BIOL 337.

5. Effect on completion of major/minor sequence: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 20 February 2016

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 745-5048

1. Identification of course:

1.1 Course prefix (subject area) and number: BIOL 412

1.2 Course title: Cell Biology Laboratory

2. Current prerequisites/corequisites:

Prerequisites or corequisite: BIOL 411

3. Proposed corequisites:

Prerequisites/concurrent prerequisite: BIOL 411

Corequisites: None

4. Rationale for the revision of prerequisites/corequisites: The change of the corequisite link to a prerequisite/concurrent prerequisite for BIOL 411 (Cell Biology) to accommodate a student who wishes to take the lecture without taking the lab at the same time.

5. Effect on completion of major/minor sequence: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 20 February 2016

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 270 745-5048

1. Identification of course:

1.1 Course prefix (subject area) and number: BIOL 440

1.2 Course title: Developmental Genetics

2. Current prerequisites:

Prerequisites: BIOL 319 or BIOL 327 and BIOL 322 or BIOL 337

3. Proposed prerequisites:

Prerequisites: BIOL 319/322 or BIOL 327/337

4. Rationale for the revision of prerequisites/corequisites: The content delivered in BIOL 319 and BIOL 322 (Introduction to Molecular and Cell Biology) is best kept as a paired course instead of allowing the Genetics Lab (BIOL 337) to serve as alternative lab experience. The same is true of retaining BIOL 327 and BIOL 337 together in lieu of allowing BIOL 322 to serve as the lab course for BIOL 337.

5. Effect on completion of major/minor sequence: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 20 February 2016

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 745-5048

1. Identification of course:

1.1 Course prefix (subject area) and number: BIOL 464

1.2 Course title: Endocrinology

2. Current prerequisites/corequisites:

Prerequisites: BIOL 319 and BIOL 322 or BIOL 337 and BIOL 446/447 (recommended)

3. Proposed corequisites:

Prerequisites: BIOL 319/322 and BIOL 446/447 (recommended)

4. Rationale for the revision of prerequisites/corequisites: The content taught in BIOL 337 (Genetics Lab) is no longer an appropriate pairing with the concepts currently delivered in BIOL 319 (Introduction to Molecular and Cell Biology). BIOL 322 (Introduction to Molecular and Cell Biology Lab) is the appropriate lab for BIOL 319.

5. Effect on completion of major/minor sequence: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 20 February 2016

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 745-5048

1. Identification of course:

1.1 Course prefix (subject area) and number: BIOL 496

1.2 Course title: Plant Biotechnology

2. Current prerequisites/corequisites:

Prerequisites: BIOL 319 and BIOL 322 or BIOL 337; AGRO 110 or BIOL 222/223

3. Proposed corequisites:

Prerequisites: BIOL 319/322; AGRO 110 or BIOL 222/223

4. Rationale for the revision of prerequisites/corequisites: The content taught in BIOL 337 (Genetics Lab) is no longer an appropriate pairing with the concepts currently delivered in BIOL 319 (Introduction to Molecular and Cell Biology). BIOL 322 (Introduction to Molecular and Cell Biology Lab) is the appropriate lab for BIOL 319.

5. Effect on completion of major/minor sequence: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 2-8-16

Ogden College of Science and Engineering
Mathematics Department
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Kanita DuCloux, kanita.ducloux@wku.edu, 5-8791

1. Identification of course:

1.1 Course prefix (subject area) and number: MATH 403

1.2 Course title: Geometry for Elementary and Middle School Teachers

2. Current prerequisites/corequisites/special requirements:

MATH 205 and MATH 206 with a grade of C or better

3. Proposed prerequisites/corequisites/special requirements:

MATH 206 and MATH 225, both with grades of C or better

4. Rationale for the revision of prerequisites/corequisites/special requirements:

Departmental evaluation of student success in MATH 403 indicated that students possessed deficiencies in their ability to generalize, reason abstractly, and justify their reasoning. As a result, MATH 225 was created to address these issues. MATH 205 was deleted as a prerequisite since it is a prerequisite for MATH 206.

5. Effect on completion of major/minor sequence:

None

6. Proposed term for implementation:

Fall 2017

7. Dates of prior committee approvals:

Mathematics Department	2/19/16
OCSE Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 2-8-16

Ogden College of Science and Engineering
Mathematics Department
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Kanita DuCloux, kanita.ducloux@wku.edu, 5-8791

1. Identification of course:

1.1 Course prefix (subject area) and number: MATH 411

1.2 Course title: Problem Solving for Elementary and Middle Grades Teachers

2. Current prerequisites/corequisites/special requirements:

MATH 205, MATH 206 and MATH 308 with a grade of C or better

3. Proposed prerequisites/corequisites/special requirements:

MATH 206, MATH 225, and MATH 308, all with grades of C or better

4. Rationale for the revision of prerequisites/corequisites/special requirements:

Departmental evaluation of student success in MATH 411 indicated that students possessed deficiencies in their ability to generalize, reason abstractly, and justify their reasoning. As a result, MATH 225 was created to address these issues. MATH 205 was deleted as a prerequisite since it is a prerequisite for MATH 308.

5. Effect on completion of major/minor sequence:

None

6. Proposed term for implementation:

Fall 2017

7. Dates of prior committee approvals:

Mathematics Department	2/19/16
OCSE Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 2-8-16

Ogden College of Science and Engineering
Mathematics Department
Proposal to Revise Course Prerequisites/Corequisites
(Consent Item)

Contact Person: Kanita DuCloux, kanita.ducloux@wku.edu, 5-8791

1. Identification of course:

1.3 Course prefix (subject area) and number: MATH 413

1.4 Course title: Algebra and Technology for Middle School Teachers

2. Current prerequisites/corequisites/special requirements:

MATH 117 or MATH 136 with a grade of C or better

3. Proposed prerequisites/corequisites/special requirements:

MATH 225 with a grade of C or better

4. Rationale for the revision of prerequisites/corequisites/special requirements:

Departmental evaluation of student success in MATH 413 indicated that students possessed deficiencies in their ability to generalize, reason abstractly, and justify their reasoning. As a result, MATH 225 was created to address these issues. By changing the prerequisite to MATH 225, the middle school teachers will have to successfully complete at least two courses (MATH 225 and its prerequisite, MATH 136) that require a higher level of abstract thinking.

5. Effect on completion of major/minor sequence:

None

6. Proposed term for implementation:

Fall 2017

7. Dates of prior committee approvals:

Mathematics Department	2/19/16
OCSE Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: January 25, 2016

College Name: Ogden College of Science and Engineering
Department Name: Agriculture
Proposal to Create a New Course
(Action Item)

Contact Person: Dominique Gumirakiza, dominique.gumirakiza@wku.edu, 270-745-5959.

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: AGEC 160
1.2 Course title: Introduction to Agribusiness and Entrepreneurship
1.3 Abbreviated course title: Introduction to Agribusiness
(maximum of 30 characters or spaces)
1.4 Credit hours: 3 Variable credit (yes or no): No
1.5 Grade type: Standard Letter Grade (A, B, C, D, F)
1.6 Prerequisites/corequisites: N/A
1.7 Course description:

Overview of various aspects of agribusiness and agricultural economics with emphasis on entrepreneurial skills. Technical, managerial, and professional qualifications for agribusiness-related careers

2. Rationale:

2.1 Reason for developing the proposed course:

Agribusiness is the division of agricultural systems that supports other areas of agriculture (animal science, pre-vet, soil, plant, turf, horticulture…) by providing the managerial, processing, financing, accounting, marketing, selling/merchandising, and other services necessary for agricultural production and exchange. Currently, the department offers no lower-division course to introduce students to agribusiness and agricultural economics and/or agribusiness entrepreneurship. This course provides an introduction to agribusiness, agricultural economics, entrepreneurship, marketing, financial accounting and management as they apply to agriculture. In addition, AGEC 160 identifies career and business opportunities in the agriculture sector and provides a basic overview of technical, managerial, and professional skills/requirements to qualify for those opportunities. Students will discover how agribusiness entrepreneurship and agricultural economics relate to and complement other areas of agriculture. Lastly, this course will have a chapter to introduce students to global food markets as an effort to support the university vision (a leading American university with international reach).

2.2 Projected enrollment in the proposed course:

Based on the facts that AGEC 160 will be a core course for all agriculture students and that students from other departments across the university will be allowed to enroll, it is expected that 70 students will enroll each semester.

2.3 Relationship of the proposed course to courses now offered by the department:
This course is a good complement to existing department courses. It supports all courses in other concentrations (animal science, soil, plant, turf, and horticulture) by providing a basic

understanding of skills needed to create and/or manage agribusiness ventures in their respective areas. For those students whose area of concentration is agribusiness, this course prepares them to take upper-division courses such as AGEC 360: Agricultural Economics, AGEC 361: Farm Management, AGEC 366: Agricultural Sales and Services, AGEC 463: Agricultural Finance, and AGEC 362: Agricultural Marketing.

2.4 Relationship of the proposed course to courses offered in other departments:
The fact that AGEC 160 focuses on basic concepts related to agribusiness with emphasis on agricultural entrepreneurship makes it unique and different from other introductory business courses such as BUS 100C.

2.5 Relationship of the proposed course to courses offered in other institutions:

A great majority of agricultural departments (or equivalents) in other universities offer a similar course. For example, Murray State University offers AGR 130: Intro. to Agribusiness, Cal Pol San Luis Obispo offers AGB 101: Introduction to Agribusiness, Western Illinois University offers AGR 2013: Introduction to Agribusiness, North Arkansas College offers AGRI 1004: Intro to Agribusiness. Adams State University in Colorado offers BUS 105: Introduction to Agribusiness, Purdue University offers AGR 11200; Introduction to Agricultural Economics, just to name a few.

3. Discussion of proposed course:

3.1 Schedule type: Lecture

3.2 Learning Outcomes:

Upon completion of the course students will be able to:

- Describe the scope of agribusiness system and identify career opportunities therein, together with skills/requirements to qualify for the opportunities
- Explain various aspects of agribusiness, agricultural economics, and entrepreneurial skills in the agriculture sector
- Identify ways in which agribusiness entrepreneurship and agricultural economics support other areas of agriculture
- Explain global food markets and the role of USDA Foreign Agricultural Service

3.3 Content outline:

This outline provides a summary of the major units and topics to be covered in the proposed course. More details and weekly topics are included in the syllabus.

- Overview of agribusiness and career opportunities
- Overview of entrepreneurship skills in an agricultural environment
- Basic agribusiness management
- Overview of agricultural economics
- Basics of an agricultural marketing system
- Basics of agricultural accounting
- Introduction to global food markets
- Applying agribusiness concepts to specific agriculture fields

3.4 Student expectations and requirements: Students will be evaluated based on:

- Attendance

- Active participation in class discussions
- Tests and quizzes
- Reading and paper assignments
- Responsibility, initiative and teamwork
- Compliance with academic policies

3.5 Tentative texts and course materials:

1. Textbook:

Because this course will introduce students to various subjects of agribusiness, entrepreneurship, and agricultural economics, there is no one single textbook to be required. Class notes and PowerPoint slides will be drawn from various sources and be provided to students by the instructor.

2. Other course materials: Handouts

4. Resources:

4.1 Library resources: N/A
4.2 Computer resources: N/A
4.3 Other resources: N/A

5. Budget implications:

5.1 Proposed method of staffing:
Current Agriculture Department faculty
5.2 Special equipment needed:
N/A
5.3 Expendable materials needed:
N/A
5.4 Laboratory materials needed:
N/A

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Agriculture	January 28, 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Ogden College of Science and Engineering
Department of Agriculture
Proposal to Create a New Course
(Action Item)

Contact Person: Thomas Kingery, thomas.kingery@wku.edu, 270-745-5966

1. Identification of proposed course:

1.1 Course prefix (subject area) and number: AGED 200
1.2 Course title: Foundations of Agricultural Education.
1.3 Abbreviated course title: Foundations Ag. Education
1.4 Credit hours: 1.0 Variable credit: No
1.5 Grade type: Standard letter
1.6 Prerequisites: None
1.7 Course description: History and foundation of agricultural education and career and technical education. Includes tools to promote, oversee, and evaluate agricultural education activities in grades 7-12.

2. Rationale:

2.1 Reason for developing the proposed course:

Past graduates have suggested that more AGED courses be included in the undergraduate program. In particular, they have requested coursework that would give them a greater understanding of the foundations of agricultural education and career and technical education (CTE). This course is intended to provide that understanding, along with the tools needed to promote, oversee and evaluate student activities in middle and secondary school agricultural education classrooms. (This course will be required of all AGED majors.)

2.2 Projected enrollment in the proposed course:

Projected enrollment is 5-10 students per year, based on current enrollment in the agricultural education program. (Students outside the department are not expected to enroll.)

2.3 Relationship of the proposed course to courses now offered by the department:

This course will be the foundational course for all agricultural education students.

2.4 Relationship of the proposed course to courses offered in other departments:

There is no other course in the University that includes these topics, which are specific to agricultural education teacher preparation.

2.5 Relationship of the proposed course to courses offered in other institutions:

Many land grant institutions offer a similar course in their agricultural education programs. The University of Kentucky(AED 110), Purdue University(YDAE 2400) , University of Illinois (AGED 100), Southern Illinois University (AGSE 110) all offer a foundation course.

3. Discussion of proposed course:

3.1 Schedule type: L
3.2 Learning Outcomes: Upon completion of this course, students will be able to:

- Understand the foundations of agricultural education
- Evaluate the historical significance of agricultural education in education.
- Discuss the role of CTE in agricultural education.
- Identify the leaders in agricultural and CTE development.
- Integrate STEM concepts into agricultural education programs.
- Demonstrate skill in advising youth development organizations.
- Understand and apply principles of team dynamics.

3.3 Content outline:

- Meeting the diverse needs of all learners.
- Integrating curriculum and design into an agricultural education program.
- Developing leadership, record-keeping and management skills among youth.
- Application and distribution of Federal funds.
- Implementing STEM activities in an agricultural education program.
- Identifying the leaders and their role in agricultural education and CTE.
- Identifying the historical changes of agricultural education and CTE.
- Integrating program planning decisions into an agricultural education program.
- Planning and developing SAE (Supervised Agricultural Experience) programs.
- Supervising and evaluating SAE programs.
- Devising a recruitment and retention strategy.
- Developing a marketing plan for student agricultural programs.
- Developing, managing and evaluating post-secondary programs.

3.4 Student expectations and requirements:

Students will deliver presentations to the class on assigned topics in youth development, policy and programs in agricultural education and CTE, and managing the agricultural education classroom. They will write an American Psychological Association (APA) paper about a foundational topic in agricultural education development, and assist in the preparation and organization of the regional leadership contests, as well as completing class assignments, quizzes and exams.

3.5 Tentative texts and course materials:

Ball, A., Dyer, J., Osborne, E. & Phipps, L. (2008). *Handbook on Agricultural Education in Public Schools (6th ed.)* Clifton Park, NY: Delmar/Cengage Learning

4. Resources:

4.1 Library resources:

4.2 Computer resources:

Students will use current internet sites as reference tools throughout the course. They will also utilize PowerPoint, Excel and Word management programs.

5. Budget implications:

5.1 Proposed method of staffing: Existing faculty

5.2 Special equipment needed: None

5.3 Expendable materials needed: None

5.4 Laboratory materials needed: None

6. Proposed term for implementation: Fall 2016

7. Dates of prior committee approvals:

Department of Agriculture	January 29, 2015
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 15 November 2015

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise A Program
(Action Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 270 745-5048

1. Identification of program:

1.1 Current program reference number: 525
1.2 Current program title: Major in Biology
1.3 Credit hours: 48

2. Identification of the proposed program changes:

- Addition of BIOL 489 (Practical Experiences in Biology) as a required course
- Change to BIOL 322 (Introduction to Cellular and Molecular Biology Lab) serving as the only lab for BIOL 319 (Introduction to Cellular and Molecular Biology)
- Change to BIOL 337 (Genetics Lab) serving as the only lab for BIOL 327 (Genetics)
- Addition of BIOL 212 (Genome Discovery and Exploration) and BIOL 356 (Ornithology Lab) as laboratory experience courses
- New requirement of one science process course
- Relocation of BIOL 369 and BIOL 399 combination, plus BIOL 485 limit language, under elective coursework
- Replacement of BIOL 283 for BIOL 382 (both Introductory Biostatistics), simply reflecting a change in course number that was enacted two years ago
- Noting the subject change of GEOG 316, GEOG 317, and GEOG 417 to GISC 316, GISC 317, and GISC 417

3. Detailed program description:

Current program	**Proposed program**
Required coursework (~~8~~ hrs) BIOL 120/121: Biological Concepts: Cells, Metabolism, and Genetics (4) BIOL 122/123: Biological Concepts: Evolution, Diversity & Ecology (4)	Required coursework (**9** hrs) BIOL 120/121: Biological Concepts: Cells, Metabolism, and Genetics (4) BIOL 122/123: Biological Concepts: Evolution, Diversity & Ecology (4) **BIOL 489: Practical Experiences in Biology (1)**
Restricted elective coursework (11 hrs) BIOL 222/223: Plant Biology and Diversity (4) or BIOL 224/225: Animal Biology and Diversity (4) or BIOL 226/227: Microbial Biology and Diversity (4)	Restricted elective coursework (11 hrs) BIOL 222/223: Plant Biology and Diversity (4) or BIOL 224/225: Animal Biology and Diversity (4) or BIOL 226/227: Microbial Biology and Diversity (4)
~~BIOL 319: Introduction to Cellular and Molecular Biology (3)~~ ~~or~~	**BIOL 319/322: Introduction to Cellular and Molecular Biology (4)** **or**

~~BIOL 327: Genetics (3)~~ ~~BIOL 322: Introduction to Cellular and Molecular Biology Lab (1)~~ ~~or~~ ~~BIOL 337: Genetics Lab (1)~~ BIOL 315: Ecology (3) or BIOL 316: Evolution (3) <u>Laboratory experience courses (choose five)</u> BIOL 312, BIOL 321, BIOL 322, BIOL 324, BIOL 325, BIOL 326, BIOL 328, BIOL 331, BIOL 337, BIOL 348, BIOL 350, BIOL 400, BIOL 404, BIOL 405, BIOL 412, BIOL 447, BIOL 450, BIOL 456, BIOL 457, BIOL 458, BIOL 460, BIOL 470, BIOL 472, BIOL 485, BIOL 496, BIOL 497 <u>Elective coursework</u> • In consultation with their advisor, students select majors-level coursework to obtain a minimum 48 credits total, provided that at least 24 hours total are upper division courses. <u>Supporting coursework</u> • MATH 116 and 117 or MATH 118 or higher • PHYS 231/232 or PHYS 255/256 • CHEM 120/121, and • Two courses from the following list: AGRO 350 and AGRO 452 or AGRO 454 or AGRO 455/456 or AGRO 457/458, ~~BIOL 283~~, CHEM 222/223, CHEM 314 or CHEM 340/341, CHEM 330, CIS 243, CIS 226 or ~~CS 226~~ or CS 146, ~~GEOG~~ 316, ~~GEOG~~ 317, ~~GEOG 328~~, ~~GEOG~~ 417, MATH 136, MATH 137, MATH 142, MATH 305, MATH 307, PHYS 332/233 or PHYS 265/266, SOCL 302. • ~~Students may count up to 6 credit hours of a combination of BIOL 369 and/or 399, and up to 4 credit hours of BIOL 485 toward this major.~~	**BIOL 327/337: Genetics (4)** BIOL 315: Ecology (3) or BIOL 316: Evolution (3**)** <u>Laboratory experience courses (choose five)</u> **BIOL 212**, BIOL 312, BIOL 321, BIOL 322, BIOL 324, BIOL 325, BIOL 326, BIOL 328, BIOL 331, BIOL 337, BIOL 348, BIOL 350, **BIOL 356**, BIOL 400, BIOL 404, BIOL 405, BIOL 412, BIOL 447, BIOL 450, BIOL 456, BIOL 457, BIOL 458, BIOL 460, BIOL 470, BIOL 472, BIOL 485, BIOL 496, BIOL 497 **<u>Science process courses (choose one)</u>** **BIOL 212, BIOL 312, BIOL 331, BIOL 350, BIOL 397, BIOL 404, BIOL 407, BIOL 412, BIOL 456, BIOL 457, BIOL 470, BIOL 472, BIOL 495, BIOL 496, BIOL 497, HON 404** <u>Elective coursework</u> • In consultation with their advisor, students select majors-level coursework to obtain a minimum 48 credits total, provided that at least 24 hours total are upper division courses. • Students may count up to 6 credit hours of a combination of BIOL 369 and/or BIOL 399, and up to 4 credits of BIOL 485 toward this major. <u>Supporting coursework</u> • MATH 116 and 117 or MATH 118 or higher • PHYS 231/232 or PHYS 255/256 • CHEM 120/121, and • Two courses from the following list: AGRO 350 and AGRO 452 or AGRO 454 or AGRO 455/456 or AGRO 457/458, **BIOL 382**, CHEM 222/223, CHEM 314 or CHEM 340/341, CHEM 330, CIS 243, CIS 226 or CS 146, GEOG 328, **GISC** 316, **GISC** 317, **GISC** 417, MATH 136, MATH 137, MATH 142, MATH 305, MATH 307, PHYS 332/233 or PHYS 265/266, SOCL 302.

4. Rationale for the proposed program change:

- BIOL 489 (Practical Experiences in Biology) is added as a requirement to the Biology curriculum. This course is designed to integrate senior undergraduate students in seminars, evaluate their

ability to interpret biological and science process concepts, assist in their preparation for graduate school, professional school, and/or careers in Biology, and assist with the construction of an alumnus action plan.

- The addition of BIOL 212 (Genome Discovery and Exploration) as a laboratory experience course is appropriate since this course focuses on implementation and completion of a research project.
- BIOL 356 (Ornithology Lab) provides students with another laboratory course option.
- Change to BIOL 322 (Introduction to Cellular and Molecular Biology Lab) serving as the only lab for BIOL 319 (Introduction to Cellular and Molecular Biology). The material covered in BIOL 322 builds best upon concepts taught in BIOL 319.
- Change to BIOL 337 (Genetics Lab) serving as the only corequisite lab for BIOL 327 (Genetics). The material covered in BIOL 337 builds best upon concepts taught in BIOL 327.
- A minimum of one science process experience course is proposed as required, emphasizing proficiency with scientific literature, proper design of a scientific research project, interpretation of data, concise writing of a scientific paper in an appropriate journal format, and dissemination of knowledge through either an oral or poster presentation.
- The BIOL 369 and BIOL 399 limit combination language, plus the BIOL 485 limit language, is relocated under elective coursework since these courses count towards the major and are not supporting courses.
- Replacement of BIOL 283 for BIOL 382 (both Introductory Biostatistics), simply reflecting a change in course number that was enacted two years ago.
- Starting with the spring 2016 semester, the Department of Geography & Geology renamed GEOG 316, GEOG 317, and GEOG 417 as GISC 316, GISC 317, and GISC 417.

5. Proposed term for implementation: Fall 2016

6. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: 15 November 2015

Ogden College of Science and Engineering
Department of Biology
Proposal to Revise A Program
(Action Item)

Contact Person: Scott Grubbs, scott.grubbs@wku.edu, 270 745-5048

1. Identification of program:

1.1 Current program reference number: 617
1.2 Current program title: Major in Biology
1.3 Credit hours: 36

2. Identification of the proposed program changes:

- Addition of BIOL 489 (Practical Experiences in Biology) as a required course
- Change to BIOL 322 (Introduction to Cellular and Molecular Biology Lab) serving as the only lab for BIOL 319 (Introduction to Cellular and Molecular Biology)
- Change to BIOL 337 (Genetics Lab) serving as the only lab for BIOL 327 (Genetics)
- Addition of BIOL 212 (Genome Discovery and Exploration) and BIOL 356 (Ornithology Lab) as laboratory experience courses
- New requirement of one science process course
- Relocation of BIOL 369 and BIOL 399 combination, plus BIOL 485 limit language, under elective coursework
- Replacement of BIOL 283 for BIOL 382 (both Introductory Biostatistics), simply reflecting a change in course number that was enacted two years ago
- Noting the subject change of GEOG 316, GEOG 317, and GEOG 417 to GISC 316, GISC 317, and GISC 417

3. Detailed program description:

Current program	**Proposed program**
Required coursework (~~8~~ hrs) BIOL 120/121: Biological Concepts: Cells, Metabolism, and Genetics (4) BIOL 122/123: Biological Concepts: Evolution, Diversity & Ecology (4)	Required coursework (**9** hrs) BIOL 120/121: Biological Concepts: Cells, Metabolism, and Genetics (4) BIOL 122/123: Biological Concepts: Evolution, Diversity & Ecology (4) **BIOL 489: Practical Experiences in Biology (1)**
Restricted elective coursework (11 hrs) BIOL 222/223: Plant Biology and Diversity (4) or BIOL 224/225: Animal Biology and Diversity (4) or BIOL 226/227: Microbial Biology and Diversity (4)	Restricted elective coursework (11 hrs) BIOL 222/223: Plant Biology and Diversity (4) or BIOL 224/225: Animal Biology and Diversity (4) or BIOL 226/227: Microbial Biology and Diversity (4)
~~BIOL 319: Introduction to Cellular and Molecular Biology (3)~~ ~~or~~	**BIOL 319/322: Introduction to Cellular and Molecular Biology (4)** **or**

~~BIOL 327: Genetics (3)~~ ~~BIOL 322: Introduction to Cellular and Molecular Biology Lab (1)~~ ~~or~~ ~~BIOL 337: Genetics Lab (1~~) BIOL 315: Ecology (3) or BIOL 316: Evolution (3) <u>Laboratory experience courses (choose five)</u> BIOL 312, BIOL 321, BIOL 322, BIOL 324, BIOL 325, BIOL 326, BIOL 328, BIOL 331, BIOL 337, BIOL 348, BIOL 350, BIOL 400, BIOL 404, BIOL 405, BIOL 412, BIOL 447, BIOL 450, BIOL 456, BIOL 457, BIOL 458, BIOL 460, BIOL 470, BIOL 472, BIOL 485, BIOL 496, BIOL 497 <u>Elective coursework</u> • In consultation with their advisor, students select majors-level coursework to obtain a minimum 48 credits total, provided that at least 24 hours total are upper division courses. <u>Supporting coursework</u> • MATH 116 and 117 or MATH 118 or higher • PHYS 231/232 or PHYS 255/256 • CHEM 120/121, and • Two courses from the following list: AGRO 350 and AGRO 452 or AGRO 454 or AGRO 455/456 or AGRO 457/458, ~~BIOL 283~~, CHEM 222/223, CHEM 314 or CHEM 340/341, CHEM 330, CIS 243, CIS 226 ~~or CS 226~~ or CS 146, ~~GEOG~~ 316, ~~GEOG~~ 317, ~~GEOG 328~~, ~~GEOG~~ 417, MATH 136, MATH 137, MATH 142, MATH 305, MATH 307, PHYS 332/233 or PHYS 265/266, SOCL 302. • ~~Students may count up to 6 credit hours of a combination of BIOL 369 and/or 399, and up to 4 credit hours of BIOL 485 toward this major.~~	**BIOL 327/337: Genetics (4)** BIOL 315: Ecology (3) or BIOL 316: Evolution (3**)** <u>Laboratory experience courses (choose five)</u> **BIOL 212**, BIOL 312, BIOL 321, BIOL 322, BIOL 324, BIOL 325, BIOL 326, BIOL 328, BIOL 331, BIOL 337, BIOL 348, BIOL 350, **BIOL 356**, BIOL 400, BIOL 404, BIOL 405, BIOL 412, BIOL 447, BIOL 450, BIOL 456, BIOL 457, BIOL 458, BIOL 460, BIOL 470, BIOL 472, BIOL 485, BIOL 496, BIOL 497 **<u>Science process courses (choose one)</u>** **BIOL 212, BIOL 312, BIOL 331, BIOL 350, BIOL 397, BIOL 404, BIOL 407, BIOL 412, BIOL 456, BIOL 457, BIOL 470, BIOL 472, BIOL 495, BIOL 496, BIOL 497, HON 404** <u>Elective coursework</u> • In consultation with their advisor, students select majors-level coursework to obtain a minimum 36 credits total, provided that at least 18 hours total are upper division courses. • Students may count up to 3 credit hours of a combination of BIOL 369 and/or BIOL 399, and up to 4 credits of BIOL 485 toward this major. <u>Supporting coursework</u> • MATH 116 and 117 or MATH 118 or higher • PHYS 231/232 or PHYS 255/256 • CHEM 120/121, and • Two courses from the following list: AGRO 350 and AGRO 452 or AGRO 454 or AGRO 455/456 or AGRO 457/458, **BIOL 382**, CHEM 222/223, CHEM 314 or CHEM 340/341, CHEM 330, CIS 243, CIS 226 or CS 146, GEOG 328, **GISC** 316, **GISC** 317, **GISC** 417, MATH 136, MATH 137, MATH 142, MATH 305, MATH 307, PHYS 332/233 or PHYS 265/266, SOCL 302.

4. Rationale for the proposed program change:

- BIOL 489 (Practical Experiences in Biology) is added as a requirement to the Biology curriculum. This course is designed to integrate senior undergraduate students in seminars, evaluate their

ability to interpret biological and science process concepts, assist in their preparation for graduate school, professional school, and/or careers in Biology, and assist with the construction of an alumnus action plan.

- The addition of BIOL 212 (Genome Discovery and Exploration) as a laboratory experience course is appropriate since this course focuses on implementation and completion of a research project.
- BIOL 356 (Ornithology Lab) provides students with another laboratory course option.
- Change to BIOL 322 (Introduction to Cellular and Molecular Biology Lab) serving as the only lab for BIOL 319 (Introduction to Cellular and Molecular Biology). The material covered in BIOL 322 builds best upon concepts taught in BIOL 319.
- Change to BIOL 337 (Genetics Lab) serving as the only corequisite lab for BIOL 327 (Genetics). The material covered in BIOL 337 builds best upon concepts taught in BIOL 327.
- A minimum of one science process experience course is proposed as required, emphasizing proficiency with scientific literature, proper design of a scientific research project, interpretation of data, concise writing of a scientific paper in an appropriate journal format, and dissemination of knowledge through either an oral or poster presentation.
- The BIOL 369 and BIOL 399 limit combination language, plus the BIOL 485 limit language, is relocated under elective coursework since these courses count towards the major and are not supporting courses.
- Replacement of BIOL 283 for BIOL 382 (both Introductory Biostatistics), simply reflecting a change in course number that was enacted two years ago.
- Starting with the spring 2016 semester, the Department of Geography & Geology renamed GEOG 316, GEOG 317, and GEOG 417 as GISC 316, GISC 317, and GISC 417.

5. Proposed term for implementation: Fall 2016

6. Dates of prior committee approvals:

Department of Biology	20 February 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Proposal Date: February 1, 2016

Ogden College of Science and Engineering
Department of Biology and Department of Chemistry
Proposal to Revise A Program
(Action Item)

Contact Person: Sigrid Jacobshagen, sigrid.jacobshagen@wku.edu, 270-745-5994

1. Identification of program:

1.1 Current program reference number: 519
1.2 Current program title: Major in Biochemistry
1.3 Credit hours: 60

2. Identification of the proposed program changes:

- Add BIOL 337 (Genetics Laboratory) as an elective course.
- Add BIOL 212 (Genome Discovery and Exploration) as an elective course.
- Add BIOL 212 (Genome Discovery and Exploration) as an elective course.
- Add BIOL 312 (Bioinformatics) as an elective course.
- Add BIOL 335 (Neurobiology) as an elective course.
- Add BIOL 382 (Introduction to Biostatistics) as an elective course
- Add BIOL 403 (Molecular Basis of Cancer) as an elective course.
- Add BIOL 464 (Endocrinology) as an elective course.

3. Detailed program description:

Current program	**Proposed program**
<u>Required coursework (48 hrs)</u>	<u>Required coursework (48 hrs)</u>
CHEM 120/121: College Chemistry I & Lab (5)	CHEM 120/121: College Chemistry I & Lab (5)
CHEM 222/223: College Chemistry II & Lab (5)	CHEM 222/223: College Chemistry II & Lab (5)
CHEM 330: Quantitative Analysis (5)	CHEM 330: Quantitative Analysis (5)
CHEM 340/341: Organic Chemistry I & Lab (5)	CHEM 340/341: Organic Chemistry I & Lab (5)
CHEM 342/343: Organic Chemistry II & Lab (5)	CHEM 342/343: Organic Chemistry II & Lab (5)
BIOL 120/121: Biological Concepts: Cells, Metabolism, and Genetics & Lab (4)	BIOL 120/121: Biological Concepts: Cells, Metabolism, and Genetics & Lab (4)
BIOL 122/123: Biological Concepts: Evolution, Diversity and Ecology & Lab (4)	BIOL 122/123: Biological Concepts: Evolution, Diversity and Ecology & Lab (4)
BIOL 319/322: Introduction to Cellular and Molecular Biology & Lab (4)	BIOL 319/322: Introduction to Cellular and Molecular Biology & Lab (4)
BIOL 411: Cell Biology (3)	BIOL 411: Cell Biology (3)
BIOL/CHEM 446: Biochemistry I (3)	BIOL/CHEM 446: Biochemistry I (3)
BIOL/CHEM 447: Lab Biochemistry I (2)	BIOL/CHEM 447: Lab Biochemistry I (2)
BIOL/CHEM 467: Biochemistry II (3)	BIOL/CHEM 467: Biochemistry II (3)
<u>Elective coursework (12 hrs)</u>	<u>Elective coursework (12 hrs)</u>
BIOL 222/223: Plant Biology and Diversity & Lab (4)	**BIOL 212: Genome Discovery and Exploration (2)**
BIOL 224/225: Animal Biology and Diversity & Lab (4)	BIOL 222/223: Plant Biology and Diversity & Lab (4)
BIOL 226/227: Microbial Biology and Diversity & Lab (4)	BIOL 224/225: Animal Biology and Diversity & Lab (4)

BIOL 316: Evolution (3) BIOL 327: Genetics (4) BIOL 328: Immunology (4) BIOL 330: Animal Physiology (3) BIOL 331: Lab Animal Physiology (1.5) BIOL 350: Introduction to Recombinant Genetics (3) BIOL 399: Research Problems in Biology (1-3) BIOL 400: Plant Physiology (4) BIOL 404: Electron Microscopy (4) BIOL 407: Virology (3) BIOL 412: Lab Cell Biology (1) BIOL 420: Introduction to Toxicology (3) BIOL 440: Developmental Genetics (3) BIOL 450:Recombinant Gene Technology (3) BIOL 475: Independent Topics in Biology (1-3) BIOL 495: Molecular Genetics (3) BIOL 496: Plant Biotechnology (4) CHEM 320: Principles of Inorganic Chemistry (3) CHEM 399: Lab Research Problems in Chemistry (1-3) CHEM 420: Inorganic Chemistry (3) or CHEM 430: Forensic Chemistry (3) CHEM 435: Instrumental Analysis (3) CHEM 412: Introduction to Physical Chemistry (5) or CHEM 450/451: Physical Chemistry I & Lab (5) and CHEM 452/453: Physical Chemistry II & Lab (5) CHEM 462: Bioinorganic Chemistry (3) CHEM 475: Selected Topics in Chemistry (1-3) AGRO 320: Crop Physiology (3) ANSC 344: Physiology and Anatomy of Animals (3) ANSC 345: Principles of Animal Nutrition (3) AGRO 350/351: Introduction to Soils & Lab (4) AGRO 352: Soil Fertility and Fertilizers (3) AGRI 399: Independent Research Problems in Agriculture (1-3) AGRO 409/410: Weed Science & Lab (3) ANSC 437/438: Physiology of Reproduction in Domestic Animals & Lab (3) ANSC 448: Feeds and Feeding Practices (4) AGRO 452: Soil Microbiology (3) AGRO 455/456: Soil Chemistry & Lab (3) PHYS 335: General Biophysics (4) PHYS 431: Radiation Biophysics (4) <u>Supporting coursework</u> MATH 136: Calculus I (4) PHYS 231/232: Introduction to Physics and Biophysics I & Lab (4)	BIOL 226/227: Microbial Biology and Diversity & Lab (4) **BIOL 312: Bioinformatics (4)** BIOL 316: Evolution (3) BIOL 327/**337**: Genetics & **Lab** (4) BIOL 328: Immunology (4) BIOL 330: Animal Physiology (3) BIOL 331: Lab Animal Physiology (1.5) **BIOL 335: Neurobiology (3)** BIOL 350: Introduction to Recombinant Genetics (3) **BIOL 382: Introduction to Biostatistics (3)** BIOL 399: Research Problems in Biology (1-3) BIOL 400: Plant Physiology (4) **BIOL 403: Molecular Basis of Cancer (3)** BIOL 404: Electron Microscopy (4) BIOL 407: Virology (3) BIOL 412: Lab Cell Biology (1) BIOL 420: Introduction to Toxicology (3) BIOL 440: Developmental Genetics (3) BIOL 450:Recombinant Gene Technology (3) **BIOL 464: Endocrinology (3**) BIOL 475: Independent Topics in Biology (1-3) BIOL 495: Molecular Genetics (3) BIOL 496: Plant Biotechnology (4) CHEM 320: Principles of Inorganic Chemistry (3) CHEM 399: Lab Research Problems in Chemistry (1-3) CHEM 420: Inorganic Chemistry (3) or CHEM 430: Forensic Chemistry (3) CHEM 435: Instrumental Analysis (3) CHEM 412: Introduction to Physical Chemistry (5) or CHEM 450/451: Physical Chemistry I & Lab (5) and CHEM 452/453: Physical Chemistry II & Lab (5) CHEM 462: Bioinorganic Chemistry (3) CHEM 475: Selected Topics in Chemistry (1-3) AGRO 320: Crop Physiology (3) ANSC 344: Physiology and Anatomy of Animals (3) ANSC 345: Principles of Animal Nutrition (3) AGRO 350/351: Introduction to Soils & Lab (4) AGRO 352: Soil Fertility and Fertilizers (3) AGRI 399: Independent Research Problems in Agriculture (1-3) AGRO 409/410: Weed Science & Lab (3) ANSC 437/438: Physiology of Reproduction in Domestic Animals & Lab (3) ANSC 448: Feeds and Feeding Practices (4) AGRO 452: Soil Microbiology (3) AGRO 455/456: Soil Chemistry & Lab (3) PHYS 335: General Biophysics (4) PHYS 431: Radiation Biophysics (4) <u>Supporting coursework</u> MATH 136: Calculus I (4) PHYS 231/232: Introduction to Physics and Biophysics I & Lab (4)

and PHYS 332/233: Introduction to Physics and Biophysics II & Lab (4) or PHYS 255/256: University Physics I & Lab (5) and PHYS 265/266: University Physics II & Lab (5)	and PHYS 332/233: Introduction to Physics and Biophysics II & Lab (4) or PHYS 255/256: University Physics I & Lab (5) and PHYS 265/266: University Physics II & Lab (5)

4. Rationale for the proposed program change:

The Genetics Laboratory (BIOL 337) has recently been created by the Biology Department so that the Genetics course (BIOL 327) can be split into the Genetics lecture (BIOL 327) and the Genetics Laboratory (BIOL 337). The lab therefore needs to be added as an elective. The courses Genome Discovery and Exploration (BIOL 212), Bioinformatics (BIOL 312), Neurobiology (BIOL 335), Introduction to Biostatistics (BIOL 382), Molecular Basis of Cancer (BIOL 403) and Endocrinology (BIOL 464) are courses that were created since the Biochemistry Major curriculum was last updated in 2007. These courses are closely related to the subject of biochemistry and therefore should be added as possible electives to the major.

5. Proposed term for implementation and special provisions (if applicable):

Fall of 2016

6. Dates of prior committee approvals:

Department of Biology	February 19, 2016
Department of Chemistry	February 24, 2016
Ogden College Curriculum Committee	3/3/16
Professional Education Council	
Undergraduate Curriculum Committee	
University Senate	

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics

Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 403G
   1.2. Course title: Geometry for Elementary and Middle School Teachers
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 205 and MATH 206 with a grade of C or better OR permission of instructor based on mathematical background and experience. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar.

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager,natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 405G
   1.2. Course title: Numerical Analysis I
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 237 or MATH 307 or MATH 310; and CS 180 or CS 146 or permission of instructor. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 406G
   1.2. Course title: Numerical Analysis II
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 237, MATH 307 and MATH 331; and either MATH 405 or CS 405. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 411G
   1.2. Course title: Problem solving for Elementary and Middle School Teachers
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 205, MATH 206, and MATH 308 with a grade of C or better, OR permission of instructor based on mathematical background and experience. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approval

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar.*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 413G
   1.2. Course title: Algebra and Technology for Middle Grades Teachers
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 117 or MATH 136 with a grade of C or better OR permission of instructor based on mathematical background and experience. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar.*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 415G
   1.2. Course title: Algebra and Number Theory
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 315 or MATH 317. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 417G
   1.2. Course title: Algebraic Systems
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 317. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 421G
   1.2. Course title: Problem Solving for Secondary Teachers
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 307 and MATH 310; MATH 382 and MATH 323, or permission of instructor.
   Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar.*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 423G
   1.2. Course title: Geometry II
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 323. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 429G
   1.2. Course title: Probability/Statistics II
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 237, MATH 382. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 431G
   1.2. Course title: Intermediate Analysis I
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 337 with a grade of C or better. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 435G
   1.2. Course title: Partial Differential Equations
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 237, MATH 307, and MATH 331. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 439G
   1.2. Course title: Topology I
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 317 or permission of instructor. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 450G
   1.2. Course title: Complex Variables
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 237. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Fall 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 470G
   1.2. Course title: Introduction to Operations Research
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 237 and MATH 307. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
	3/9/2016
College Graduate Curriculum Committee	
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 482G
   1.2. Course title: Probability & Statistics II
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 237, MATH 382. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
	3/9/2016
College Graduate Curriculum Committee	
Professional Education Council	

Graduate Council
University Senate

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course
(Action)

Date: 1-11-16
College, Department: Ogden, Mathematics
Contact Person: Hope Marchionda, hope.marchionda@wku.edu, 5-2961

1. **Identification of course**
   - 1.1 Course prefix (subject area) and number: MATH 501
   - 1.2 Course title: Introduction to Probability and Statistics I
2. **Proposed change(s):**
   - 2.1 course number:
   - 2.2 course title:
   - 2.3 credit hours:
   - 2.4 grade type:
   - 2.5 prerequisites:
   - 2.6 corequisites:
   - 2.7 course description:
     Previous: Interpreting and analyzing univariate and bivariate data; probability and sampling distributions; simulation. (Not applicable to the M.S. degree in Mathematics.)
     Proposed: Interpreting, analyzing, and simulating univariate and bivariate data; probability and sampling distributions; regression and chi-squared procedures from traditional and randomization approaches.
   - 2.8 other:
3. **Rationale for revision of course:** The course description is being reworded to more accurately convey what is being emphasized in the class.
4. **Term of implementation:** Fall 2016
5. **Dates of committee approvals:**

Department	1-21-16
College Curriculum Committee	2-10-2016
Professional Education Council	
Graduate Council	
University Senate	

**Course revision proposals require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar.*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 502
   1.2. Course title: Introduction to Probability and Statistics II
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 183 or MATH 382 or MATH 501 or permission of instructor. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course
(Action)

Date: 1-11-16
College, Department: Ogden, Mathematics
Contact Person: Hope Marchionda, hope.marchionda@wku.edu, 5-2961

1. **Identification of course**
   - 1.3 Course prefix (subject area) and number: MATH 503
   - 1.4 Course title: Introduction to Analysis
2. **Proposed change(s):**
   - 2.1 course number:
   - 2.2 course title:
   - 2.3 credit hours:
   - 2.4 grade type:
   - 2.5 prerequisites:
   - 2.6 corequisites:
   - 2.7 course description:
     Previous: Examination of selected topics in elementary calculus including sequences, series, limits, continuity, the derivative, and the Riemann integral. Introductory material includes logic, set theory, and functions.
     Proposed: Theoretical examination of selected topics in real analysis including sequences, series, limits, continuity, derivatives, and integration.
   - 2.8 other:
3. **Rationale for revision of course:** The course description is being reworded to more accurately convey what is being emphasized in the class.
4. **Term of implementation:** Fall 2016
5. **Dates of committee approvals:**

Department	1-21-16
College Curriculum Committee	2-10-2016
Professional Education Council	
Graduate Council	
University Senate	

**Course revision proposals require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar.*

Revise a Course
(Action)

Date: 1-11-16
College, Department: Ogden, Mathematics
Contact Person: Hope Marchionda, hope.marchionda@wku.edu, 5-2961

1. **Identification of course**
   - 1.5 Course prefix (subject area) and number: MATH 504
   - 1.6 Course title: Application of Technology to Problems in Mathematics
2. **Proposed change(s):**
   - 2.1 course number:
   - 2.2 course title:
   - 2.3 credit hours:
   - 2.4 grade type:
   - 2.5 prerequisites:
   - 2.6 corequisites:
   - 2.7 course description:
     Previous: Integration of technology to solve problems in areas of mathematics including calculus, applied statistics, probability, geometry, and algebra. (Not applicable to the M.S. degree in Mathematics.)
     Proposed: Integration of technology to solve problems in areas of mathematics including calculus, applied statistics, probability, geometry, and algebra.
3. **Rationale for revision of course:** The course description is being reworded to more accurately convey what is being emphasized in the class.
4. **Term of implementation:** Fall 2016
5. **Dates of committee approvals:**

Department	1-21-16
College Curriculum Committee	2-10-2016
Professional Education Council	
Graduate Council	
University Senate	

**Course revision proposals require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar.*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics

Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 508
   1.2. Course title: Number Concepts for Elementary and Middle Grades Teachers
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 205, MATH 206 and MATH 308 or permission of instructor. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
	3/9/2016
College Graduate Curriculum Committee	
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar.*

Revise a Course
(Action)

Date: 1-11-16
College, Department: Ogden, Mathematics
Contact Person: Hope Marchionda, hope.marchionda@wku.edu, 5-2961

1. **Identification of course**
   - 1.7 Course prefix (subject area) and number: MATH 510
   - 1.8 Course title: Intermediate Statistics
2. **Proposed change(s):**
   - 2.1 course number:
   - 2.2 course title:
   - 2.3 credit hours:
   - 2.4 grade type:
   - 2.5 prerequisites:
   - 2.6 corequisites:
   - 2.7 course description:
     Previous: Statistical inference including confidence intervals, estimation, tests of significance, comparison of population parameters, and chi-square procedures. (Not applicable to the M.S. degree in Mathematics.)
     Proposed: Extended coverage of experimental design and data collection, statistical inference including confidence intervals, estimation, tests of significance, comparison of population parameters, and multiple regression.
   - 2.8 other:
3. **Rationale for revision of course:** The course description is being reworded to more accurately convey what is being emphasized in the class.
4. **Term of implementation:** Fall 2016
5. **Dates of committee approvals:**

Department	1-21-16
College Curriculum Committee	02-10-2016
Professional Education Council	
Graduate Council	
University Senate	

**Course revision proposals require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar.*

Revise a Course
(Action)

Date: 1-11-16
College, Department: Ogden, Mathematics
Contact Person: Hope Marchionda, hope.marchionda@wku.edu, 5-2961

1. **Identification of course**
   - 1.9 Course prefix (subject area) and number: MATH 511
   - 1.10 Course title: Algebra from an Advanced Perspective
2. **Proposed change(s):**
   - 2.1 course number:
   - 2.2 course title:
   - 2.3 credit hours:
   - 2.4 grade type:
   - 2.5 prerequisites:
   - 2.6 corequisites:
   - 2.7 course description:
     Previous: Intended for teachers wishing to develop a deeper understanding of high school algebra and calculus. Examines links among different fields of mathematics and connections among high school, mathematics, college mathematics and higher mathematics. (Not applicable to the M.S. degree in Mathematics.)
     Proposed: Topics in algebra from an advanced perspective including analysis of functions and polynomials, number theory, and fields.
   - 2.8 other:
3. **Rationale for revision of course:** The course description is being reworded to more accurately convey what is being emphasized in the class.
4. **Term of implementation:** Fall 2016
5. **Dates of committee approvals:**

Department	1-21-16
College Curriculum Committee	02-10-2016
Professional Education Council	
Graduate Council	
University Senate	

**Course revision proposals require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar.*

Revise a Course
(Action)

Date: 1-11-16
College, Department: Ogden, Mathematics
Contact Person: Hope Marchionda, hope.marchionda@wku.edu, 5-2961

1. **Identification of course**
   - 1.11 Course prefix (subject area) and number: MATH 512
   - 1.12 Course title: Geometry from an Advanced Perspective
2. **Proposed change(s):**
   - 2.1 course number:
   - 2.2 course title:
   - 2.3 credit hours:
   - 2.4 grade type:
   - 2.5 prerequisites:
   - 2.6 corequisites:
   - 2.7 course description:
     Previous: Intended for teachers wishing to develop a deeper understanding of underlying concepts of geometry. Examines relationships among different fields of mathematics and connections among high school mathematics, college mathematics and higher mathematics. (Not applicable to the M.S. degree in Mathematics).
     Proposed: Topics in geometry from an advanced perspective including a theoretical examination of transformations in real and complex plane; distance congruence, and similarity in a variety of contexts; connections and applications between geometry, trigonometry, and calculus.
   - 2.8 other:
3. **Rationale for revision of course:** The course description is being reworded to more accurately convey what is being emphasized in the class.
4. **Term of implementation:** Fall 2016
5. **Dates of committee approvals:**

Department	1-21-16
College Curriculum Committee	02-10-2016
Professional Education Council	
Graduate Council	
University Senate	

**Course revision proposals require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar.*

Revise a Course
(Action)

Date: 1-11-16
College, Department: Ogden, Mathematics
Contact Person: Hope Marchionda, hope.marchionda@wku.edu, 5-2961

1. **Identification of course**
   - 1.13 Course prefix (subject area) and number: MATH 514
   - 1.14 Course title: Application and Modeling for Teachers
2. **Proposed change(s):**
   - 2.1 course number:
   - 2.2 course title: Mathematical Modeling and Applications
   - 2.3 credit hours:
   - 2.4 grade type:
   - 2.5 prerequisites:
     Previous: Mathematics major, mathematics minor, or permission of the instructor.
     Proposed: Admission to the Master of Arts in Mathematics program or permission of instructor.
   - 2.6 corequisites:
   - 2.7 course description:
     Previous: Utilizes concepts from many fields of mathematics to explore how high school and college mathematics are used in real world settings. Intended for secondary teachers. (Not applicable to the M.S. degree in Mathematics.)
     Proposed: Uses mathematical modeling to describe and explore real world problems using algebraic, geometric, and statistical approaches.
   - 2.8 other:
3. **Rationale for revision of course:** MATH 514 is an elective in the MA in Mathematics program. Since this program is designed for teachers, listing the word "teachers" in the course's title is redundant and is not needed. The prerequisite for MATH 514 is being revised to align with other courses that are part of the MA in Mathematics program. The course description is being reworded to more accurately convey what is being emphasized in the course.
4. **Term of implementation:** Fall 2016
5. **Dates of committee approvals:**

Department	1-21-16
College Curriculum Committee	02-10-2016
Professional Education Council	
Graduate Council	
University Senate	

**Course revision proposals require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics

Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 517
   1.2. Course title: Topics from Algebra
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 417. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
	3/9/2016
College Graduate Curriculum Committee	
Professional Education Council	

Graduate Council

University Senate

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics

Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 529
   1.2. Course title: Applied Probability
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 431 or MATH 237. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
	3/9/2016
College Graduate Curriculum Committee	
Professional Education Council	
Graduate Council	
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**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 531
   1.2. Course title: Advanced Differential Equations
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 331, MATH 431. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
	3/9/2016
College Graduate Curriculum Committee	
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 532
   1.2. Course title: Real Analysis
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 431. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
	3/9/2016
College Graduate Curriculum Committee	
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 535
   1.2. Course title: Advanced Applied Mathematics
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 331, MATH 431. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016 3/9/2016
College Graduate Curriculum Committee	
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 539
   1.2. Course title: Topology II
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 439. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
	3/9/2016
College Graduate Curriculum Committee	
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 540
   1.2. Course title: Stochastic Processes
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 529 or MATH 382 with a grade of C or better, or consent of instructor. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
	3/9/2016
College Graduate Curriculum Committee	
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 542
   1.2. Course title: Advanced Topics in Discrete Mathematics
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 310 and MATH 317. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
	3/9/2016
College Graduate Curriculum Committee	
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 550
   1.2. Course title: Complex Analysis
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 450. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
	3/9/2016
College Graduate Curriculum Committee	
Professional Education Council	
Graduate Council	
University Senate	

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Revise a Course

(Action)

Date: 11/20/2015

College, Department: Ogden, Mathematics
Contact Person: Natasha Gerstenschlager, natasha.gerstenschlager@wku.edu, 5-7048

1. Identification of course
   1.1. Course prefix (subject area) and number: MATH 570
   1.2. Course title: Topics in Operations Research
2. Proposed change(s):
   2.1. Course number:
   2.2. Course title:
   2.3. Credit hours:
   2.4. Grade type:
   2.5. Prerequisites: Current: MATH 470. Proposed: Permission of instructor.
   2.6. Corequisites:
   2.7. Course description:
   2.8. Other:
3. Rational for revision of course:
   As this a graduate level course, WKU undergraduate prerequisite courses cannot be required.
4. Term of implementation
   Spring 2016
5. Dates of committee approvals:

Math Department	1/21/2016
College Graduate Curriculum Committee	3/9/2016
Professional Education Council	
Graduate Council	
University Senate	

**Proposals to suspend, delete or reactivate a course require a Course Inventory Form be submitted by the College Dean's office to the Office of the Registrar*

Program - Suspend/Delete/Reactivate
(Consent)

Date: 1/26/2016
College: PCAL
Department: ART
Contact Person: Brent Oglesee, brent.oglesbee@wku.edu, 5-6566

1. **Identification of course or program:**
   1.1 Program reference number: 0443
   1.2 Program title: Master of Arts in Education: Art Education Teacher Leaders

2. **Action:** X☐ suspend ☐ delete ☐ reactivate

3. **Rationale:**
   The university's arts accrediting body (NASAD) has identified this program as significantly under-funded and under-staffed. Its current percentage of art course work is below accrediting standards. Upcoming additional state regulations for Masters in Education programs will further erode the percentage of art content, pressing our program further from compliance expectations. Finally, the few number of students seeking this degree makes it difficult to provide timely course offerings to matriculate students through the program efficiently.

4. **Effect on programs or other departments:**
   A few students (every few years) who have interest in obtaining their Master's degree in Art Education will need to seek it elsewhere. The department's studio faculty will be less burdened, attempting to absorb Master level students in their usual undergraduate teaching loads.

5. **Term of implementation:** Fall of 2016

5. **Dates of committee approvals:**

Department	1/29/2015
College Curriculum Committee	
Professional Education Council (if applicable)	
Graduate Council	
University Senate	

Proposal date 2/1/2016

Potter College of Arts & Letters
Department of Art
Proposal to Revise a Program
(Action Item)

Contact Person: Dr. Miwon Choe miwon.choe@wku.edu 270-745-7052

1. Identification of program:

1.1 Current program reference number: 509
1.2 Current program title: A.B. Visual Studies, Art Education Concentration
1.3 Minimum Credit Hours for Degree: 124

2. Identification of the proposed program changes:

2.1 Delete ART 490 Special Problems
2.2 Add ART 432 Portfolio to Art Education Pedagogy
2.3 Add ART 496 Special Topics in Studio Art to studio requirements
2.4 Reduce basic studio elective requirements from six to five courses
2.5 Reduce upper level studio elective requirements from three to two courses
2.6 Add LTCY 421

3. Detailed program description

Existing Program Department of Art Courses			Revised Program Department of Art Courses		
Foundations and Required Studio Courses			Foundations and Required Studio Courses		
ART 130	2D Design	3 hrs	ART 130	2D Design	3 hrs
ART 140	Drawing	3 hrs	ART 140	Drawing	3 hrs
ART 131	3D Design	3 hrs	ART 131	3D Design	3 hrs
ART 105	Hist. of Art I	3 hrs	ART 105	Art Survey I	3 hrs
ART 106	Hist. of Art II	3 hrs	ART 106	Art Survey II	3 hrs
ART 240	Drawing	3 hrs	ART 240	Drawing	3 hrs
ART 340	Drawing	3 hrs	ART 340	Drawing	3 hrs
			ART 496	**Special Topics**	**3hrs**
~~Six~~ of the seven basic studio electives			**Five of the seven basic studio electives**		
ART 220	Ceramics	3 hrs	ART 220	Ceramics	3 hrs
ART 231	Graphic Design	3 hrs	ART 231	Graphic Design	3 hrs
ART 243	Digital Media	3 hrs	ART 243	Digital Media	3 hrs
ART 250	Printmaking	3 hrs	ART 250	Printmaking	3 hrs
ART 260	Painting	3 hrs	ART 260	Painting	3 hrs
ART 270	Sculpture	3 hrs	ART 270	Sculpture	3 hrs

ART 280 Weaving 3 hrs Upper Level Restricted Elective Studios 9 hours ART 325 Art of Asia, Africa, and America 3 hrs Advanced Art History Elective 3 hrs Art Education Pedagogy ART 311 Methods I 3 hrs ART 411 Methods II 3 hrs ART 413 Methods III 3 hrs ~~ART 490 Special problems 3 hrs~~ Total 66 hours Professional Education Courses EDU 250 Intro to Teacher Ed. 3 hrs PSY 310 Ed Psychology 3 hrs SPEC 330 Intro to Special Ed. 3 hrs ELED 490 Student Teaching 5 hrs SEC 490 Student Teaching 5 hrs EDU 490 Student Teaching Seminar 3 hrs Total 22 hours	ART 280 Weaving 3 hrs **Upper Level Restricted Elective Studio 6hrs** ART 325 Art of Asia, Africa, and America 3 hrs Advanced Art History Elective 3 hrs Art Education Pedagogy ART 311 Methods I 3 hrs ART 411 Methods II 3 hrs ART 413 Methods III 3 hrs **ART 432 Portfolio 3 hrs** **Total 63 hours** Professional Education Courses EDU 250 Intro to Teacher Ed. 3 hrs **LTCY 421 Content Area Reading In the Middle & Sec. 3 hrs** PSY 310 Ed Psychology 3 hrs SPEC 330 Intro to Special Ed. 3 hrs ELED 490 Student Teaching 5 hrs SEC 490 Student Teaching 5 hrs EDU 490 Student Teaching Seminar 3 hrs **Total 25 hours**

4. Rationale for the proposed program change:

4.1 ART 490 Special Problems has historically served as the capstone class for this major, but the class has no lab fee. ART 432's course description is a much closer "fit" for the specific goals of the class. It also provides a lab fee that significantly reduces student costs by pooling funds for on-site teaching activities. For these reasons we are editing ART 490 and adding ART 432.

4.2 Adding ART 496 Special Topics provides majors access to some variety of media without requiring prerequisites (basic studios at the 200 level) that are necessarily being reduced to meet state mandates in literacy studies.

4.3 LTCY 421 has been identified as the education course used to meet new state mandates for improved literacy in middle and secondary education courses. This additional course has necessitated much of the adjustments proposed in this

program revision. These various shifts still meet the requirements of our national accrediting agency NASAD.

4.4 Reduction of upper level studio electives from three to two courses compensates for the addition of a specified course (ART 496 Special Topics) in art requirements.

5. Proposed term for implementation and special provisions (if applicable): Fall 2016

6. Dates of prior committee approvals:

Department of Art 2/12/2016

Potter College Curriculum Committee **3 March 3016**

Professional Education Council (if applicable) _____

Undergraduate Curriculum Committee _____

University Senate _____

Proposal Date: 1 April 2015

Potter College of Arts & Letters
Department of English
Proposal to Revise A Program
(Action Item)

Contact Person: Rob Hale, rob.hale@wku.edu, 5-3046

1. Identification of program:

1.1 Current program reference number: 561
1.2 Current program title: English for Secondary Teachers
1.3 Credit hours: 55

2. Identification of the proposed program changes:

- Correct a phrasing oversight
- Add a requirement
- Revise options for Cluster #2
- Add an option for Cluster #3
- Add an option for Cluster #4
- Remove a requirement

3. Detailed program description:

The major in English for secondary teachers is intended for those seeking certification to teach in secondary schools in Kentucky. It requires a minimum of 55 semester hours and leads to a Bachelor of Arts degree. No minor or second major is required. (Teacher certification requires an additional 34 hours of education courses specified by the College of Education and Behavioral Sciences.) Requirements for the major are as follows:

Required Core Courses:		31 hrs
ENG 299	Introduction to English Studies	3
ENG 104	Introduction to Linguistics	3
ENG 304	English Language	3
ENG 385	World Literature	3
ENG 391	American Literature I	3
ENG 401	Advanced Composition	3
ENG 410	Comp Theory in Wrtg Instr	3
ENG 476	Crit Appr to Lit Sec Cur	3
ENG 492	Senior Seminar	1
COMM 145	Fund of Pub Spkg *	3

The major in English for secondary teachers is intended for those seeking certification to teach in **grades 8-12** ~~secondary schools in Kentucky~~. It requires a minimum of 55 semester hours and leads to a Bachelor of Arts degree. No minor or second major is required. (Teacher certification requires an additional 34 hours of education courses specified by the College of Education and Behavioral Sciences.) **A grade of "C" or higher is required in all courses applying to the major.** Requirements for the major are as follows:

Required Core Courses:		31 hrs
ENG 299	Introduction to English Studies	3
ENG 104	Introduction to Linguistics	3
ENG 304	English Language	3
ENG 385	World Literature	3
ENG 391	American Literature I	3
ENG 401	Advanced Composition	3
ENG 410	Comp Theory in Wrtg Instr	3
ENG 476	Crit Appr to Lit Sec Cur	3
ENG 492	Senior Seminar	1
COMM 145	Fund of Pub Spkg *	3

THEA 151 Theatre Appreciation * 3

Cluster # 1 Literature Surveys 6 hrs
ENG 381 English Literature I
ENG 382 English Literature II
ENG 392 American Literature II

Cluster # 2 Allied Language Arts 6 hrs
COMM 245 Argumentation & Debate

JOUR 202 Intro to Media Writing
JOUR 427 Journalism in the Schools
THEA 425 Play Prod in the Schools

Cluster # 3 Writing Electives 3 hrs
ENG 301 Argumentation and Analysis
ENG 303 Fiction Writing
ENG 305 Poetry Writing
ENG 311 Creative Nonfiction Writing

ENG 358 Drama Writing
ENG 402 Editing and Publishing
ENG 415 Writing and Technology

Cluster # 4 Literature Elective** 3 hrs
ENG 333 Medieval Literature

ENG 340 Speculative Fiction
ENG 354 History of Drama to 1640
ENG 355 History of Drama since 1640
ENG 365 Literature and Film
ENG 387 Studies in Autobiography
ENG 394 Kentucky Literature
ENG 395 Contemporary Literature
ENG 396 Mythology
ENG 398 Hemingway & Faulkner
ENG 430 19th Century American Lit.
ENG 455 American Drama
ENG 457 British Literature since 1900
ENG 459 Modern Drama
ENG 468 Early Modern British Literature
ENG 481 Chaucer
ENG 482 Shakespeare
ENG 484 British Romanticism
ENG 486 The 18th Century

THEA 151 Theatre Appreciation * 3

Cluster # 1 Literature Surveys 6 hrs
ENG 381 English Literature I
ENG 382 English Literature II
ENG 392 American Literature II

Cluster # 2 Allied Language Arts 6 hrs
COMM 245 Argumentation & Debate
COMM 345 Advanced Public Speaking
JOUR 202 Intro to Media Writing
~~JOUR 427 Journalism in the Schools~~
THEA 425 Play Prod in the Schools
THEA 325 Theatre in Education

Cluster # 3 Writing Electives 3 hrs
ENG 301 Argumentation and Analysis
ENG 303 Fiction Writing
ENG 305 Poetry Writing
ENG 311 Creative Nonfiction Writing
ENG 329 Special Topics in Creative Writing
ENG 358 Drama Writing
ENG 402 Editing and Publishing
ENG 415 Writing and Technology

Cluster # 4 Literature Elective** 3 hrs
ENG 333 Medieval Literature
ENG 339 Special Topics in Literature
ENG 340 Speculative Fiction
ENG 354 History of Drama to 1640
ENG 355 History of Drama since 1640
ENG 365 Film Adaptation
ENG 387 Studies in Autobiography
ENG 394 Kentucky Literature
ENG 395 Contemporary Literature
ENG 396 Mythology
ENG 398 Hemingway & Faulkner
ENG 430 19th Century American Literature
ENG 455 American Drama
ENG 457 British Literature since 1900
ENG 459 Modern Drama
ENG 468 Early Modern English Literature
ENG 481 Chaucer
ENG 482 Shakespeare
ENG 484 British Romanticism
ENG 486 The 18th Century

ENG 487 Dante *Divine Comedy* Influences	ENG 487 Dante's *Divine Comedy* and Influences
ENG 488 Victorian Age	ENG 488 Victorian Age
ENG 489 English Novel	ENG 489 English Novel
ENG 490 American Novel	ENG 490 American Novel
ENG 493 American Poetry	ENG 493 American Poetry
ENG 495 Southern Literature	ENG 495 Southern Literature
Cluster # 5 Literature of Diversity 3 hrs	Cluster # 5 Literature of Diversity 3 hrs
ENG 360 Gay and Lesbian Lit	ENG 360 Gay and Lesbian Lit
ENG 370 Multicultural Lit in America	ENG 370 Multicultural Lit in America
ENG 393 African-American Lit	ENG 393 African-American Lit
ENG 497 Women's Literature	ENG 497 Women's Literature
Elective 3 hrs	Elective 3 hrs
Choose one additional course from cluster 1, 2, 3, 4, or 5 or another allied language arts course.	Choose one additional course from cluster 1, 2, 3, 4, or 5 or another allied language arts course.
Total English program hours: 55	Total English program hours: 55
*COMM 145 and THEA 151 also count as Colonnade courses.	*COMM 145 and THEA 151 also count as Colonnade courses.
**The one literature elective must be from a period not chosen from cluster # 1.	~~**The one literature elective must be from a period not chosen from cluster # 1.~~
A former requirement—one course from CS 145, CIS 141, or LME 448—is now recommended for students who perceive a weakness in technology skills.	A former requirement—one course from CS 145, CIS 141, or LME 448—is now recommended for students who perceive a weakness in technology skills.
Teacher Certification requirements are unchanged.	Teacher Certification requirements are unchanged.
Total Eng w/ Sec Certification: 89 hrs	Total Eng w/ Sec Certification: 89 hrs

4. **Rationale for the proposed program change:** These changes are basically routine maintenance and updates.
   - *Correct a phrasing oversight*: "Secondary schools" is typically understood to be grades 9-12, but secondary certification actually includes grades 8-12. Also, specifying "Kentucky" is unnecessarily narrow, given reciprocity (and near-reciprocity) arrangements with other states.
   - *Add a requirement*: Requiring a "C" or better in major courses is a common requirement but one which was overlooked in the initial transition to this major. Although current

GPA requirements almost render this superfluous, adding this requirement brings this major in line with other English majors.

- *Revise options for Cluster #2*: In consultation with the associated departments to address scheduling issues, this drops one course which is not likely to be offered again and adds two others which are offered regularly.
- *Add an option for Cluster #3:* Prior to this year, all special topics courses in English were offered under the same number (ENG 399), regardless of content. While they were often appropriate for inclusion in the major, the specific placement had to be determined on a case-by-case basis and granted via iCAP Exception. The creation of a content-specific special topics course appropriate to the writing cluster (ENG 329) allows its explicit inclusion.
- *Add an option for Cluster #4:* Prior to this year, all special topics courses in English were offered under the same number (ENG 399), regardless of content. While they were often appropriate for inclusion in the major, the specific placement had to be determined on a case-by-case basis and granted via iCAP Exception. The creation of a content-specific special topics course relevant to the literature cluster (ENG 339) allows its explicit inclusion.
- *Remove a requirement*: While intended to discourage majors from studying a more narrow array of literature, this policy has proven to be mostly superfluous, to be restrictive in unintended ways, and to be difficult to police. In short, it has proven to be more of a nuisance than a help.

5. Proposed term for implementation and special provisions (if applicable): Fall, 2015

6. Dates of prior committee approvals:

English Department/Division:	__4/15/2015____
Potter College Curriculum Committee	_____
Professional Education Council (if applicable)	_____
General Education Committee (if applicable)	_____NA_____
Undergraduate Curriculum Committee	_____
University Senate	_____