

Academic Council Minutes

March 22, 2017

Midwestern State University

The Academic Council met Wednesday, March 22, 2017, in the Dillard College of Business Administration, Room 328.

Voting members in attendance were:

Dr. Marcy Brown Marsden, Dean, College of Science and Mathematics
 Dr. Martin Camacho, Dean, Lamar D. Fain College of Fine Arts
 Dr. Michaelle Kitchen, Chair, Departments of Counseling, Kinesiology, and Special Education, substituting for Dr. Matthew Capps, Dean, Gordon T. and Ellen West College of Education
 Dr. Jeff Killion, Interim Dean, Gunn College of Health Sciences and Human Services
 Dr. Terry Patton, Dean, Dillard College of Business Administration
 Dr. Sam Watson, Dean, Prothro-Yeager College of Humanities and Social Sciences
 Dr. Kathryn Zuckweiler, Dean, Dr. Billie Doris McAda Graduate School

Voting members unable to attend:

Dr. Laura Fidelie, Faculty Senate Vice-Chair
 Ms. Andrea Mendoza Lespron, Student Government Association Vice President

Other Attendees:

Ms. Suzanne Bachman-Hansen, Academic Advisor, Mustangs Advising Center
 Dr. Kristen Garrison, Associate Vice President for Undergraduate Education and Assessment
 Ms. Leah Hickman, Associate Director, Admissions
 Ms. Darla English, Registrar
 Dr. Clara Latham, University Librarian, Moffett Library
 Ms. Juliana Lehman-Felts, Assistant Director, Redwine Honors Program
 Dr. Michael Mills, Director, International Programs
 Dr. Jeff Oxford, Chair, Department of Foreign Languages

Dr. James Johnston, Provost and Vice President for Academic Affairs, presided and the meeting began at 2:00 p.m.

Approval of Minutes

Dr. Johnston called for a motion to approve the February 2017 Minutes of the Academic Council. Dr. Brown Marsden made a motion that the minutes be adopted; Dr. Zuckweiler seconded and the motion was unanimously adopted. (closed)

Old Business

There being no Old Business to discuss, the Council moved on to New Business.

New Business

1. Dr. Brown Marsden made a motion to adopt the following undergraduate course and catalog changes in Biology. *Dr. Zuckweiler seconded; and the motion was adopted.* (closed)

Catalog Changes

Biology, B.S.

No changes until...

Major

Option A Molecular-Cellular - 37 hours

- ~~BIOL 1144 – General Zoology 4~~
- ~~BIOL 1544 – General Botany 4~~
- ~~BIOL 3054 – Principles of Biology I 4~~
- ~~BIOL 3064 – Principles of Biology II 4~~
- **BIOL 1114 – Life I: Cellular and Molecular Concepts 4**
- **BIOL 1214 – Life II: Ecology and Evolution 4**
- **BIOL 2114 – Life III: Diversity 4**
- BIOL 3334 - Genetics 4
- BIOL 4001 - Seminar in Biology 1
- BIOL 4714 - Cell Biology 4
- or
- BIOL 4231 - Molecular Biology Laboratory 1
- and
- BIOL 4233 - Molecular Biology 3

Advanced Courses in Botany and Zoology – € **8** hours

~~Three~~ **Four** advanced hours in ~~both~~ botany and **four advanced hours** zoology (see Advanced Courses in Botany and Zoology list below.)

Additional Advanced Courses - € **8** hours

Option B Organismal - 49-50 **51-52** hours

- ~~BIOL 1144 – General Zoology 4~~
- ~~BIOL 1544 – General Botany 4~~
- ~~BIOL 3054 – Principles of Biology I 4~~
- ~~BIOL 3064 – Principles of Biology II 4~~
- **BIOL 1114 – Life I: Cellular and Molecular Concepts 4**
- **BIOL 1214 – Life II: Ecology and Evolution 4**
- **BIOL 2114 – Life III: Diversity 4**
- BIOL 3113 - Biogeography 3
- OR
- BIOL 3044 - Bacteriology 4

- BIOL 3334 - Genetics 4
- BIOL 4001 - Seminar in Biology 1
- BIOL 4143 - Evolution and Systematics 3
- BIOL 4684 - Ecology 4

Advanced Courses in Botany and Zoology – ~~6~~ **8** hours

~~Three~~ **Four** advanced hours in ~~both~~ botany and **four advanced hours** zoology (see Advanced Courses in Botany and Zoology list below.)

Additional Advanced Courses - ~~12~~ **16** hours

Option C1 Pre-Medical - ~~37~~ **41** hours

- ~~BIOL 1144 – General Zoology 4~~
- ~~BIOL 1544 – General Botany 4~~
- ~~BIOL 3054 – Principles of Biology I 4~~
- ~~BIOL 3064 – Principles of Biology II 4~~
- **BIOL 1114 – Life I: Cellular and Molecular Concepts 4**
- **BIOL 1214 – Life II: Ecology and Evolution 4**
- **BIOL 2114 – Life III: Diversity 4**
- BIOL 3144 - Physiology 4
- BIOL 3234 - Comparative Anatomy of the Vertebrates 4
- BIOL 3334 - Genetics 4
-
- **BIOL 3344 – Developmental Biology 4, or**
- **BIOL 4714 – Cell Biology 4**
-
- BIOL 4001 - Seminar in Biology 1

Advanced Course in Botany, Zoology, or Microbiology - 4 hours

Four advanced hours from BIOL 3114, 3214, or 3314

Additional Advanced Courses - 8 hours

Option C2 Pre-Veterinary - ~~37~~ **41** hours

- ~~BIOL 1144 – General Zoology 4~~
- ~~BIOL 1544 – General Botany 4~~
- ~~BIOL 3054 – Principles of Biology I 4~~
- ~~BIOL 3064 – Principles of Biology II 4~~
- **BIOL 1114 – Life I: Cellular and Molecular Concepts 4**
- **BIOL 1214 – Life II: Ecology and Evolution 4**
- **BIOL 2114 – Life III: Diversity 4**
- BIOL 3144 - Physiology 4
- BIOL 3234 - Comparative Anatomy of the Vertebrates 4
- **BIOL 3314 – Microbes: Microbial Life 4**
- BIOL 3334 - Genetics 4
- BIOL 4001 - Seminar in Biology 1

Additional Advanced Courses - 8 12 hours

Option C3 Pre-Dental - ~~37~~ 41 hours

- ~~• BIOL 1144 – General Zoology 4~~
- ~~• BIOL 1544 – General Botany 4~~
- ~~• BIOL 3054 – Principles of Biology I 4~~
- ~~• BIOL 3064 – Principles of Biology II 4~~
- **BIOL 1114 – Life I: Cellular and Molecular Concepts 4**
- **BIOL 1214 – Life II: Ecology and Evolution 4**
- **BIOL 2114 – Life III: Diversity 4**
- BIOL 3144 - Physiology 4
- BIOL 3234 - Comparative Anatomy of the Vertebrates 4
- **BIOL 3314 – Microbes: Microbial Life 4**
- BIOL 3334 - Genetics 4

- **BIOL 3344 – Developmental Biology 4, or**
- **BIOL 4714 – Cell Biology 4**

- BIOL 4001 - Seminar in Biology 1

Additional Advanced Courses - 8 hours

Option C4 Pre-Pharmacy - ~~33~~ 37 hours

- ~~• BIOL 1144 – General Zoology 4~~
- ~~• BIOL 1544 – General Botany 4~~
- ~~• BIOL 3054 – Principles of Biology I 4~~
- ~~• BIOL 3064 – Principles of Biology II 4~~
- **BIOL 1114 – Life I: Cellular and Molecular Concepts 4**
- **BIOL 1214 – Life II: Ecology and Evolution 4**
- **BIOL 2114 – Life III: Diversity 4**
- BIOL 3144 - Physiology 4
- **BIOL 3314 – Microbes: Microbial Life**
- BIOL 3334 - Genetics 4
- BIOL 4001 - Seminar in Biology 1

Additional Advanced Courses - 8 12 hours

Option D Pre-Physical Therapy - ~~38~~ 40 hours

- ~~• BIOL 1144 – General Zoology 4~~
- ~~• BIOL 1544 – General Botany 4~~
- ~~• BIOL 3054 – Principles of Biology I 4~~
- ~~• BIOL 3064 – Principles of Biology II 4~~
- **BIOL 1114 – Life I: Cellular and Molecular Concepts 4**
- **BIOL 1214 – Life II: Ecology and Evolution 4**
- **BIOL 2114 – Life III: Diversity 4**
- BIOL 3144 - Physiology 4
- BIOL 3234 - Comparative Anatomy of the Vertebrates 4

- BIOL 3334 - Genetics 4
- BIOL 4001 - Seminar in Biology 1

Advanced Courses in Botany and Zoology - ~~6~~ **8** hours

~~Three~~ **Four** advanced hours in both botany and **four advanced hours** zoology (see Advanced Courses in Botany and Zoology list below.)

Additional Advanced Courses - ~~3~~ **7** hours

Option E1 Clinical Laboratory Science (3+1) - 28 hours

- ~~BIOL 1144 – General Zoology 4~~
- ~~BIOL 1544 – General Botany 4~~
- **BIOL 1114 – Life I: Cellular and Molecular Concepts 4**
- **BIOL 1214 – Life II: Ecology and Evolution 4**
- **BIOL 2114 – Life III: Diversity 4**
- BIOL 3003 - Introduction to Clinical Laboratory Science 3
- ~~BIOL 3054 – Principles of Biology I 4~~
- ~~BIOL 3064 – Principles of Biology II 4~~
- **BIOL 3314 – Microbes: Microbial Life 4**
- BIOL 3334 - Genetics 4
- BIOL 4001 - Seminar in Biology 1
- BIOL 4021 - Immunology Laboratory 1
- BIOL 4023 - Immunology 3

Option E2 Clinical Laboratory Science (4+1) - 28 hours

- ~~BIOL 1144 – General Zoology 4~~
- ~~BIOL 1544 – General Botany 4~~
- **BIOL 1114 – Life I: Cellular and Molecular Concepts 4**
- **BIOL 1214 – Life II: Ecology and Evolution 4**
- **BIOL 2114 – Life III: Diversity 4**
- BIOL 3003 - Introduction to Clinical Laboratory Science 3
- ~~BIOL 3054 – Principles of Biology I 4~~
- ~~BIOL 3064 – Principles of Biology II 4~~
- **BIOL 3314 – Microbes: Microbial Life 4**
- BIOL 3334 - Genetics 4
- BIOL 4001 - Seminar in Biology 1
- BIOL 4021 - Immunology Laboratory 1
- BIOL 4023 - Immunology 3

Advanced Courses in Botany and Zoology

Advanced Botany

- **BIOL 3214 – Botany: Plant Life 4**
- BIOL 3534 - Systematic Botany 4
- BIOL 4463 - Plant Anatomy 3
- BIOL 4564 - Plant Physiology 4

Advanced Zoology

- BIOL 3024 - Vertebrate Zoology 4
- BIOL 3033 - Field Zoology 3
- **BIOL 3114 – Zoology: Animal Life 4**
- BIOL 3234 - Comparative Anatomy of the Vertebrates 4
- BIOL 3344 - Developmental Biology 4
- BIOL 3434 - Entomology 4
- BIOL 3644 - Invertebrate Zoology 4
- BIOL 4033 - Herpetology 3
- BIOL 4524 - Animal Parasitology 4

Program Requirements

(see Options, above)

Option A Molecular-Cellular

- CHEM 1141 - General Chemistry Laboratory 1
- CHEM 1143 - General Chemistry 3
- CHEM 1241 - General Chemistry Laboratory 1
- CHEM 1243 - General Chemistry 3
- CHEM 2001 - Organic Chemistry Laboratory 1
- CHEM 2003 - Organic Chemistry 3
- CHEM 2011 - Organic Chemistry Laboratory 1
- CHEM 2013 - Organic Chemistry 3
- CHEM 3603 - Physical Chemistry I 3
- CHEM 4243 - Biochemistry 3

- CHEM 4253 - Biochemistry 3
- OR
- STAT 3573 - Probability and Statistics 3

- CMPS 1013 - Computer Concepts and Applications 3
- OR
- CMPS 1023 - Computing for Science Majors 3

- MATH 1734 - Calculus II 4
- MATH 2534 - Calculus III 4
- ~~MATH 2603 – Math for Thermodynamics 3~~
- PHYS 1624 - Mechanics, Wave Motion, and Heat 4
- PHYS 2644 - Electricity and Magnetism and Optics 4

Option B Organismal

- CHEM 1141 - General Chemistry Laboratory 1
- CHEM 1143 - General Chemistry 3
- CHEM 1241 - General Chemistry Laboratory 1
- CHEM 1243 - General Chemistry 3
- CHEM 2001 - Organic Chemistry Laboratory 1
- CHEM 2003 - Organic Chemistry 3

- CMPS 1013 - Computer Concepts and Applications 3
- OR
- CMPS 1023 - Computing for Science Majors 3

- GEOS 1234 - Historical Geology 4

- MATH 1433 - Plane Trigonometry 3
- OR
- MATH 1534 - Precalculus 4

- PHYS 1144 - General Physics 4
- PHYS 1244 - General Physics 4

- STAT 3573 - Probability and Statistics 3
- OR
- PSYC 3314 - Statistics for the Social and Behavioral Sciences 4

Option C1 Pre-Medical

- CHEM 1141 - General Chemistry Laboratory 1
- CHEM 1143 - General Chemistry 3
- CHEM 1241 - General Chemistry Laboratory 1
- CHEM 1243 - General Chemistry 3
- CHEM 2001 - Organic Chemistry Laboratory 1
- CHEM 2003 - Organic Chemistry 3
- CHEM 2011 - Organic Chemistry Laboratory 1
- CHEM 2013 - Organic Chemistry 3
- CHEM 4243 - Biochemistry 3
- CHEM 4253 - Biochemistry 3

- ~~• CMPS 1013 - Computer Concepts and Applications 3~~
- ~~• OR~~
- ~~• CMPS 1023 - Computing for Science Majors 3~~

- MATH 1433 - Plane Trigonometry 3
- OR
- MATH 1534 - Precalculus 4

- MATH 1634 - Calculus I 4
- PHYS 1144 - General Physics 4
- PHYS 1244 - General Physics 4
- SOCL 1133 - Introductory Sociology 3
- STAT 3573 - Probability and Statistics 3

Option C2 Pre-Veterinary

- ~~• BIOL 2144 - Microbiology 4~~
- CHEM 1141 - General Chemistry Laboratory 1
- CHEM 1143 - General Chemistry 3

- CHEM 1241 - General Chemistry Laboratory 1
- CHEM 1243 - General Chemistry 3
- CHEM 2001 - Organic Chemistry Laboratory 1
- CHEM 2003 - Organic Chemistry 3
- CHEM 2011 - Organic Chemistry Laboratory 1
- CHEM 2013 - Organic Chemistry 3
- CHEM 4243 - Biochemistry 3
- CHEM 4253 - Biochemistry 3
- ENGL 3203 - Technical Writing 3

- MATH 1433 - Plane Trigonometry 3
- OR
- MATH 1534 - Precalculus 4

- PHYS 1144 - General Physics 4
- PHYS 1244 - General Physics 4
- SPCH 1133 - Fundamentals of Speech Communication 3
- STAT 3573 - Probability and Statistics 3

Option C3 Pre-Dental

- ~~BIOL 2144 - Microbiology 4~~
- CHEM 1141 - General Chemistry Laboratory 1
- CHEM 1143 - General Chemistry 3
- CHEM 1241 - General Chemistry Laboratory 1
- CHEM 1243 - General Chemistry 3
- CHEM 2001 - Organic Chemistry Laboratory 1
- CHEM 2003 - Organic Chemistry 3
- CHEM 2011 - Organic Chemistry Laboratory 1
- CHEM 2013 - Organic Chemistry 3
- CHEM 4243 - Biochemistry 3
- CHEM 4253 - Biochemistry 3

- CMPS 1013 - Computer Concepts and Applications 3
- OR
- CMPS 1023 - Computing for Science Majors 3

- MATH 1433 - Plane Trigonometry 3
- OR
- MATH 1534 - Precalculus 4

- MATH 1634 - Calculus I 4
- PHYS 1144 - General Physics 4
- PHYS 1244 - General Physics 4
- STAT 3573 - Probability and Statistics 3

Option C4 Pre-Pharmacy

- ~~BIOL 2144 - Microbiology 4~~
- CHEM 1141 - General Chemistry Laboratory 1

- CHEM 1143 - General Chemistry 3
- CHEM 1241 - General Chemistry Laboratory 1
- CHEM 1243 - General Chemistry 3
- CHEM 2001 - Organic Chemistry Laboratory 1
- CHEM 2003 - Organic Chemistry 3
- CHEM 2011 - Organic Chemistry Laboratory 1
- CHEM 2013 - Organic Chemistry 3
- CHEM 4243 - Biochemistry 3
- CHEM 4253 - Biochemistry 3

- CMPS 1013 - Computer Concepts and Applications 3
- OR
- CMPS 1023 - Computing for Science Majors 3

- ECON 1333 - General Economics 3
- OR
- ECON 2333 - Macroeconomic Principles 3

- MATH 1433 - Plane Trigonometry 3
- OR
- MATH 1534 - Precalculus 4

- MATH 1634 - Calculus I 4
- PHYS 1144 - General Physics 4
- SPCH 1133 - Fundamentals of Speech Communication 3
- STAT 3573 - Probability and Statistics 3

Option D Pre-Physical Therapy

- ATRN 2433 - Medical Terminology 3
- CHEM 1141 - General Chemistry Laboratory 1
- CHEM 1143 - General Chemistry 3
- CHEM 1241 - General Chemistry Laboratory 1
- CHEM 1243 - General Chemistry 3
- CHEM 2001 - Organic Chemistry Laboratory 1
- CHEM 2003 - Organic Chemistry 3
- ENGL 3203 - Technical Writing 3

- MATH 1433 - Plane Trigonometry 3
- OR
- MATH 1534 - Precalculus 4

- PHYS 1144 - General Physics 4
- PHYS 1244 - General Physics 4

- STAT 3573 - Probability and Statistics 3
- OR
- PSYC 3314 - Statistics for the Social and Behavioral Sciences 4

- PSYC 2203 - Human Behavior 3
- PSYC 3233 - Developmental Psychology 3
- PSYC 3603 - Abnormal Psychology 3

• **SOCL 1133 – Introductory Sociology**

Option E1 Clinical Laboratory Science (3+1)

- ~~BIOL 2144 – Microbiology 4~~
- CHEM 1141 - General Chemistry Laboratory 1
- CHEM 1143 - General Chemistry 3
- CHEM 1241 - General Chemistry Laboratory 1
- CHEM 1243 - General Chemistry 3
- CHEM 2001 - Organic Chemistry Laboratory 1
- CHEM 2003 - Organic Chemistry 3
- CHEM 2011 - Organic Chemistry Laboratory 1
- CHEM 2013 - Organic Chemistry 3
- CHEM 4243 - Biochemistry 3
- CMPS 1013 - Computer Concepts and Applications 3
- OR
- CMPS 1023 - Computing for Science Majors 3
- STAT 3573 - Probability and Statistics 3

Additional Advanced Course – 4 hours

Four advanced hours from BIOL or CHEM (see list of approved courses following Option E2, below).

Upon completion of academic coursework, the student will apply for acceptance to a Hospital- or University-based Practicum consisting of 27 semester hours (advanced hours).

Option E2 Clinical Laboratory Science (4+1)

- ~~BIOL 2144 – Microbiology 4~~
- CHEM 1141 - General Chemistry Laboratory 1
- CHEM 1143 - General Chemistry 3
- CHEM 1241 - General Chemistry Laboratory 1
- CHEM 1243 - General Chemistry 3
- CHEM 2001 - Organic Chemistry Laboratory 1
- CHEM 2003 - Organic Chemistry 3
- CHEM 2011 - Organic Chemistry Laboratory 1
- CHEM 2013 - Organic Chemistry 3
- CMPS 1013 - Computer Concepts and Applications 3
- OR
- CMPS 1023 - Computing for Science Majors 3

- MATH 1433 - Plane Trigonometry 3
- OR
- MATH 1534 - Precalculus 4

- PHYS 1144 - General Physics 4
- PHYS 1244 - General Physics 4
- STAT 3573 - Probability and Statistics 3

~~Additional Advanced Courses—22 hours~~

19 22 additional hours from approved BIOL and CHEM electives:

- **BIOL 3114 – Zoology: Animal Life**
- **BIOL 3214 – Botany: Plant Life**
- BIOL 3144 - Physiology 4
- BIOL 3234 - Comparative Anatomy of the Vertebrates 4
- BIOL 3534 - Systematic Botany 4
- BIOL 3644 - Invertebrate Zoology 4
- BIOL 4444 - Histology 4
- BIOL 4524 - Animal Parasitology 4
- CHEM 3305 - Analytical Chemistry I 5
- CHEM 3405 - Analytical Chemistry II 5
- CHEM 4242 - Biochemistry Laboratory 2
- CHEM 4243 - Biochemistry 3
- CHEM 4253 - Biochemistry 3

Requirements for a Minor in Biology - 20 semester hours

~~BIOL 1144—General Zoology 4~~

~~BIOL 1544—General Botany 4~~

BIOL 1114 – Life I: Cellular and Molecular Concepts 4

BIOL 1214 – Life II: Evolution and Ecology 4

BIOL 2114 – Life III: Diversity 4

BIOL 3104 - Fundamental Genetics 4

OR

BIOL 3334 - Genetics 4 (with permission of instructor)

Additional Courses – ~~8~~ **4** semester hours

An additional ~~8~~ **4** semester hours, of which 3 must be advanced. Courses must be selected in consultation with chair.

2. Dr. Brown Marsden made a motion to adopt the following undergraduate course and catalog changes in Mathematics. *Dr. Zuckweiler seconded; and the motion was adopted.* (closed)

New Course Additions, effective fall 2017

GNMT 3003. Concepts of Mathematics

All proposed changes are marked as such: deleted items are marked with a strikethrough line and new items are in bold and underlined. Italicized wording is justification or clarification from the proposing department/college.

Prerequisite: MATH 2043

Description: This course focuses on the mathematics content emphasizing the skills related to geometry, measurement, statistics, algebra, and discrete mathematics.

Lecture 3(3-0)

Course Objectives and/or Additional Information:

Students will be able to develop the skills related to geometry, measurement, statistics, algebra, and discrete mathematics.

MATH 3004. Problem Solving and Discrete Mathematics

Prerequisites: MATH 1634 with a grade of C or better

Description: Students will learn and implement a variety of techniques to solve problems in areas such as number theory, geometry and combinatorics. Students will also learn the rules of symbolic logic and learn techniques of direct and indirect proofs at an introductory level.

Lecture 4(4-0)

Course Objectives and/or Additional Information:

Students will develop problem solving skills using several techniques. A few of these techniques are drawing diagrams, observing patterns, and analyzing subproblems. Students will also learn the rules of symbolic logic and methods of proof

Change of Course Prerequisites, effective fall 2017

MATH 3233. Introduction to Modern Mathematics

Prerequisites: ~~MATH 1734~~, **MATH 1634** with a grade of C or better

MATH 3753. Vector Spaces

Prerequisites: ~~MATH 1734~~ **MATH 1634** and MATH 2753 with grades of C or better in each

Deletion of Courses, effective fall 2017

MATH 2603. Math for Thermodynamics

MATH 3123. Concepts of Geometry

MATH 4003. History of Mathematics

MATH 4223. Discrete Mathematics

MATH 4573. Complex Analysis

3. Dr. Brown Marsden made a motion to adopt the following undergraduate course and catalog changes in Computer Science. *Dr. Watson seconded; and the motion was adopted.* (closed)

Catalog Change due to change in MATH course numbers.

Computer Science, B.S.

No changes until...

3 hours from

- MATH 3533 - Numerical Analysis 3
- MATH ~~3833~~ **2753** - Linear Algebra 3
- MATH 4243 - Operations Research 3

Computer Science Exit Exam

4. Dr. Brown Marsden made a motion to adopt the following undergraduate course and catalog changes in Environmental Science. *Dr. Zuckweiler seconded; and the motion was adopted.* (closed)

Catalog Change

Environmental Science Track

Major:

Interdisciplinary –

- ENSC 1114 - Foundations of Environmental Science 4
- ENSC 3103 - Environmental Policies and Laws 3
- ENSC 4103 - Internship 3
- ~~BIOL 1144 - General Zoology 4~~
- ~~BIOL 1544 - General Botany 4~~
- **BIOL 1114 Life I: Cellular and Molecular Concepts 4**
- **BIOL 1214 Life II: Ecology and Evolution 4**
- BIOL 3104 - Fundamental Genetics 4
- CHEM 1141 - General Chemistry Laboratory 1
- CHEM 1143 - General Chemistry 3
- CHEM 1241 - General Chemistry Laboratory 1
- CHEM 1243 - General Chemistry 3
- CHEM 3504 - Introductory Environmental Chemistry 4
- GEOS 1134 - Physical Geology 4
- GEOS 3634 - Fundamentals of Remote Sensing 4
- GEOS 4001 - Geosciences Seminar 1

Options (must choose one):

Option A - Biology:

- **BIOL 2114 Life III: Diversity 4**
- BIOL 3033 - Field Zoology 3
- BIOL 3534 - Systematic Botany 4
- BIOL 4684 - Ecology 4

Plus ~~7~~ **3** additional hours

Option B - Chemistry:

- CHEM 3305 - Analytical Chemistry I 5
- **CHEM 3405 – Analytical Chemistry II 5**

Plus 8 additional hours

Option C - Geosciences:

- GEOS 1234 - Historical Geology 4
- GEOS 3034 - Oceanography 4
- GEOS 3134 - Mineralogy 4
- GEOS 4233 - Groundwater Hydrology 3

Plus 3 additional hours

Program Requirements:

- PHYS 1144 - General Physics 4
- PHYS 1244 - General Physics 4
-
- MATH 1433 - Plane Trigonometry 3
- OR
- MATH 1534 - Precalculus 4
-
- MATH 1634 - Calculus I 4
- STAT 3573 - Probability and Statistics 3

One year of a single foreign language.

5 – 6 hours of electives are required

5. Dr. Brown Marsden made a motion to adopt the following undergraduate course and catalog changes in Geoscience. *Dr. Watson seconded; and the motion was adopted.* (closed)

Catalog Change

Distinguished Professorship

No changes until...

Prothro Distinguished Professorship of Geological Science

The Prothro Distinguished Professorship of Geological Science was established in 1986 to support the work and research of a professor in the Geosciences program.

In 2015, Dr. Jonathan D. Price was awarded this professorship in recognition of his teaching, research, and administrative efforts. Dr. Price's research interests lie in high-temperature geochemistry and igneous petrology and their application to tectonism. He studies Earth processes that affect the development of continental crust, particularly those surrounding magmatism in extensional settings. These interests are applied to geologic problems both globally and regionally, including an

emphasis on the processes that shaped north Texas and southern Oklahoma and the Texas Trans Pecos. As a course of his research, Dr. Price has fostered numerous undergraduate research endeavors; he has been annually involved in the UGROW summer research experience and has mentored several EURECA projects. The results of his research have been presented at national and international meetings and published in extensively-cited scientific journal articles.

6. Dr. Brown Marsden made a motion to adopt the following undergraduate course and catalog changes in Mechanical Engineering. *Dr. Patton seconded; and the motion was adopted.*
(closed)

Degree Plan Change

Under Core Communication (two courses)

Delete (select 1 course)

Delete ENGL 1123. Rhetoric and Composition II

OR

Under MATH Elective Course

MATH 3833 **2753** Linear Algebra

7. Dr. Watson made a motion to adopt the following undergraduate course and catalog changes in Foreign Languages. *Dr. Brown Marsden seconded; and the motion was adopted.*
(closed)

The following new courses have been approved for inclusion in the Core Curriculum by the College and the MSU Core Curriculum Committee. If approved by Academic Council, they will be submitted to the BoR and the THECB for recommendation of acceptance effective fall 2017, however, the courses will not be offered until fall 2018.

New Core Curriculum Course Additions, effective fall 2017

Foundational Component Area: Language, Philosophy & Culture

Component Area Option: Cultural & Global Understanding

FREN 1033. Culture of the French-Speaking World

Description: This course focuses on students' exploring the ideas, values, beliefs and other cultural aspects of French-speaking peoples around the world and how these aspects work together to affect human experience. By providing students with knowledge of a history and culture different from their own, this course contributes to preparing students to be productive members of global society as well as to understand and relate with people and ideas different from their own.

Lecture 3(3-0)

Course Objectives and/or Additional Information:

At the end of the course, the student will be able to:

- a. Discuss key points associated with francophone culture and ethnicity within a global**

- context.
- b. Discuss and identify ideologies and perspectives present in the francophone cultural production.
 - c. Locate, evaluate, and creatively answer questions about francophone culture and ethnicity within a global context.
 - d. Identify how race, ethnicity and gender are socially constructed within the context of the francophone cultural production.
 - e. Communicate an understanding that francophone culture may hold different views of the same issues.

GERM 1033. Culture of the German-Speaking World

Description: This course focuses on students' exploring the ideas, values, beliefs and other cultural aspects of German-speaking peoples around the world and how these aspects work together to affect human experience. By providing students with knowledge of a history and culture different from their own, this course contributes to preparing students to be productive members of global society as well as to understand and relate with people and ideas different from their own.

Lecture 3(3-0)

Course Objectives and/or Additional Information:

At the end of the course, the student will be able to:

- a. Discuss key points associated with German-speaking culture and ethnicity within a global context.
- b. Discuss and identify ideologies and perspectives present in the German-speaking cultural production.
- c. Locate, evaluate, and creatively answer questions about German-speaking culture and ethnicity within a global context.
- d. Identify how race, ethnicity and gender are socially constructed within the context of the German-speaking cultural production.
- e. Communicate an understanding that German-speaking culture may hold different views of the same issues.

SPAN 1033. Culture of the Hispanic World

Description: This course focuses on students' exploring the ideas, values, beliefs and other cultural aspects of Spanish-speaking peoples around the world and how these aspects work together to affect human experience. By providing students with knowledge of a history and culture different from their own, this course contributes to preparing students to be productive members of global society as well as to understand and relate with people and ideas different from their own.

Lecture 3(3-0)

Course Objectives and/or Additional Information:

At the end of the course, the student will be able to:

- a. Discuss key points associated with Hispanic culture and ethnicity within a global context.
- b. Discuss and identify ideologies and perspectives present in the Hispanic cultural production.
- c. Locate, evaluate, and creatively answer questions about Hispanic culture and ethnicity within a global context.
- d. Identify how race, ethnicity and gender are socially constructed within the context of

the Hispanic cultural production.

- e. **Communicate an understanding that Hispanic culture may hold different views of the same issues.**

8. Dr. Watson made a motion to adopt the following undergraduate course and catalog changes in Foreign Languages. *Dr. Patton seconded; and the motion was adopted.* (closed)

The following current courses have been approved for inclusion in the Core Curriculum by the College and the MSU Core Curriculum Committee. If approved by Academic Council, they will be submitted to the BoR and the THECB for recommendation of acceptance fall 2017, however, the courses will not be offered as core curriculum options until fall 2018.

FREN 2133. Intermediate French
Foundational Component Area: Language, Philosophy & Culture
Component Area Option: None

FREN 2233. Intermediate French
Foundational Component Area: Language, Philosophy & Culture
Component Area Option: Cultural & Global Understanding

GERM 2133. Intermediate German
Foundational Component Area: Language, Philosophy & Culture
Component Area Option: None

GERM 2233. Intermediate German
Foundational Component Area: Language, Philosophy & Culture
Component Area Option: Cultural & Global Understanding

SPAN 2133. Intermediate Spanish I
Foundational Component Area: Language, Philosophy & Culture
Component Area Option: None

SPAN 2233. Intermediate Spanish II
Foundational Component Area: Language, Philosophy & Culture
Component Area Option: Cultural & Global Understanding

9. Dr. Watson made a motion to adopt the following undergraduate course and catalog changes in German. *Dr. Brown Marsden seconded; and the motion was adopted.* (closed)

New Course Addition, effective fall 2018

GERM 3333. German Film History

Description: This course provides an overview of German history and culture through the filmic lens from the silent Weimar Cinema until today. It will attend to both art house and popular film, and examine various eras, genres, and topics, such as Expressionism, Nazi propaganda, the rubble film, the New German Cinema, the East German Socialist film, and the contemporary Berlin School film. The films will be analyzed both in terms of their cinematic aesthetics as well as their social and

historical contexts of their production. This course is a combination of lectures, film viewings in German with English subtitles, readings in English language, class discussions, and writing assignments.

Lecture 3(3-0)

Course Objectives and/or Additional Information:

By the end of the course, students...

...will be well-acquainted with German culture from the 1920s onwards.

...will have acquired basic film terminology and know how to critically read and discuss film.

...will be knowledgeable about the major historical events of this era, their implications on German culture of that time and their relation to today (e.g. the Nazi past and the current European refugee crisis).

...will understand a selection of German filmic key texts and their function within the historical and socio-political contexts (e.g. Socialist propaganda).

...have developed a deeper understanding of German filmmaking and culture then and now.

10. Dr. Kitchen made a motion to adopt the following undergraduate course and catalog changes in BAAS. *Dr. Camacho seconded; and the motion was adopted.* (closed)

The BAAS Director is requesting a new 1-hour course for the BAAS Program, a non-scheduled course which involves writing a substantial research paper, completing a project, or completing a series of directed readings, in students' career interest or area.

Rationale for BAAS 4111:

- *Preclude students from taking a 3-hour course when only 1-hour is needed*
- *Decrease number of students graduating with hours beyond the required 120*
- *Autonomy/consistency of program administration versus dependency upon another department*

Since the inception of the BAAS program students have been able to utilize a 1-hour credit course (POLS 4901) through the Political Science department. This 1-hour credit made up the miscellaneous 1-hour after the graduation audit revealed 1-hour credit needed beyond the 3-hour increment of the "traditional" 3-hour semester course, i.e., 4 hrs, 7 hrs, 10 hrs, etc. Students taking a 3-hour course to gain 1-credit hour also contributed to graduating with hours in excess of the required 120 hours. Since alignment under the WCOE, Dr. Garrison has graciously allowed the BAAS Director to use POLS 4901. Either he or Dr. David Martin were the instructor(s) of record while the BAAS Director administered and graded the student's coursework. The BAAS program should be able to directly offer this 1-hour course to its students without being reliant upon another department for the course. The BAAS Director receives no compensation for this course.

New Course Addition, effective fall 2017

BAAS 4111. Independent Study in Applied Arts and Sciences

Prerequisites: BAAS major, senior-level academic classification; Approval of BAAS Advisory or Director

Description: Independent Study in Applied Arts and Sciences is a non-scheduled course which involves writing a substantial research paper, completing a project, or completing a series of directed readings, in students' career interest or area.

Independent Study 1(1-0)

Course Objectives and/or Additional Information:

- Expand current knowledge in a specific area related to student's career field or academic interest
- Develop or enhance skills in analyzing, synthesizing, and integrating related theory in student's field or interest area to student's practical work, life, academic experiences
- Assess or critique specific standards and criteria of a project identification, development, management, implementation, evaluation, communication, and/or dissemination, in student's work, academic, or personal life

11. Dr. Kitchen made a motion to adopt the following undergraduate course and catalog changes in Education. *Dr. Brown Marsden seconded; and the motion was adopted.* (closed)

Catalog Changes

1. Generalist (4-8 Certification), B.S.I.S.

No changes until...

Teaching Field - 54 hours

- ECED 3173 - ESL Methods and Materials 3
- ENGL 4013 - Introduction to Composition Studies 3
-
- GEOG 3003 - Geography of the World 3
- OR
- GEOG 3013 - Geography of North America 3
-
- GNSC 1104 - Life/Earth Science 4 *
- GNSC 1204 - Physical Science 4 *
- GNSC 3104 - Concepts of Science 4
- HIST 1133 - Survey of American History to 1865 3 *
- HIST 1233 - Survey of American History since 1865 3 *
- HIST 3003 - Survey of Texas History 3
- MATH 1233 - College Algebra 3 *
- MATH 2033 - Structure of the Number System I 3
- MATH 2043 - Structure of the Number System II 3
- ~~MATH 3113 - Techniques in Problem Solving 3~~ **GNMT 3003 Concepts of Math 3**
- PHYS 1533 - Descriptive Astronomy 3
- POLS 1333 - American Government 3 *
- POLS 1433 - American Government 3 *
- SOST 3003 - Concepts of Social Studies 3

2. Mathematics (4-8 Certification), B.S.I.S.

No changes until...

Teaching Field (Major) - 30 hours

- ~~MATH 1053 - Contemporary Mathematics 3~~
- MATH 1233 - College Algebra 3 *

All proposed changes are marked as such: deleted items are marked with a strikethrough line and new items are in bold and underlined. Italicized wording is justification or clarification from the proposing department/college.

- MATH 1433 - Plane Trigonometry 3
- MATH 2033 - Structure of the Number System I 3
- MATH 2043 - Structure of the Number System II 3
- ~~MATH 3033 - Concepts of Calculus 3~~ **MATH 1634 Calculus I 4**
- ~~MATH 3113 - Techniques in Problem Solving 3~~ **MATH 3004 Problem Solving and Discrete Math 4**
- ~~MATH 3123 - Concepts of Geometry 3~~
- MATH 3133 - Foundations of Geometry 3
- ~~MATH 4033 - Foundations of Discrete Mathematics 3~~ **MATH 1534 Precalculus 4**
- STAT 3573 - Probability and Statistics 3

Note:

*3 hours are duplicated in Academic Foundations and Core Curriculum, plus additional requirements, but the total program hours do not change.

Other Requirements - 13 hours

- ECED 3173 - ESL Methods and Materials 3
- EPSY 3153 - Educational Psychology 3
- GNSC 3104 - Concepts of Science 4 or any 4 hour lab science
- **GNMT 3003 Concepts of Math**

~~Additional 3 hour course from Math, Science, or Computer Science.~~

12. Dr. Kitchen made a motion to adopt the following undergraduate course and catalog changes in Education. *Dr. Zuckweiler seconded; and the motion was adopted.* (closed)

New Course Addition, effective fall 2017

EDUC 3203. Educational Assessment: Development, Analysis, & Implementation

Description: This course introduces concepts to construct reliable, valid, and objective classroom assessments. In addition, the course describes various types of assessments and how to use the data from assessments to guide instructional decisions for all students, collectively or individually, in the classroom. Course may not be used for students seeking teacher certification.

Lecture 3(3-0)

Course Objectives and/or Additional Information:

Students will be introduced to and become familiar with developing assessments that are valid, reliable, and free of bias and be able to recognize assessment that are flawed.

Students will be introduced to and become familiar with various forms of assessments: constructed-response, selected-response, affective, and authentic. Students will be introduced to and become familiar with authentic assessment options including (but not limited to): project-based learning, portfolios and self-assessments through the use of rubrics, checklists, and other forms of assessment. Students will be introduced to and become familiar with the analysis of data obtained from reliable and valid assessments conducted in their classrooms, from

research, or from standardized formats in order to make data-driven decisions in their classrooms.

EPSY 3803. Human Development, Behavior, and Learning Theory

Description: This course introduces learning theory, motivation, measurement, and evaluation, with an emphasis on human development and learning as it applies to education. Course may not be used for student seeking teacher certification.

Lecture 3(3-0)

Course Objectives and/or Additional Information:

Students recognize, understand, and address in both writing and discussion the implications of the many developmental phenomena associated with teaching and learning.

Students recognize, understand, and address both in writing and discussion the implications of the many cognitive and behavioral phenomena associated with teaching and learning

Students recognize, understand, and address in writing and discussion, the many aspects of developing a culture for learning and a positive environment of respect and rapport. Specifically, candidates will verbally discuss and write about factors affecting children's learning, including candidates' understanding of the school community, students' developmental level, students' racial, cultural, and gender diversity, and the needs of special populations.

Diversity: Students will develop a vision of learning that promotes the success of all students based on relevant knowledge and theories, including but not limited to an understanding of the diversity of learners and learners' needs, and schools as interactive, social, and cultural systems. Specifically, candidates will read, discuss, and write about students from diverse social, ethnic, and cultural systems.

Students recognize, understand, and address in writing and discussion the nature and implications of both student-centered and teacher-centered approaches to teaching and learning. Specifically, candidates will analyze instructional techniques that influence student learning.

Students learn and practice reflective habits while in the classroom.

13. Dr. Kitchen made a motion to adopt the following undergraduate course and catalog changes in Kinesiology. *Dr. Killion seconded; and the motion was adopted.* (closed)

Change of Course Prerequisites, effective fall 2017

KNES 3363. Motor Skill Acquisition & Analysis

Prerequisites: KNES 1503, 2423, and 2403 or 2413 or 2433

KNES 3513. Scientific Foundations of Human Movement

Prerequisites: Junior or Senior standing

KNES 3603. Assessment in Physical Education

Prerequisites: KNES 1503, 2423, and 2403 or 2413 or 2433

KNES 4513. Adapted Physical Activity

Prerequisites: Junior or Senior standing; KNES 1503, 2423, and 2403 or 2413 or 2433; and KNES 3513

KNES 4523. Management & Administration of Recreation & Leisure Services

Prerequisites: Junior or Senior standing

KNES 4663. Fundamentals of Elementary Physical Education

Prerequisites: Junior or Senior standing; KNES 3363 and 3603 (KNES 3603 may be taken concurrently)

KNES 4693. Fundamentals of Secondary Physical Education

Prerequisites: Junior or Senior standing; KNES 3363 and 3603 (KNES 3603 may be taken concurrently).

KNES 4973. Leadership in Recreation & Leisure Services

Prerequisites: Senior standing; grade of C or better in KNES 3203, 3513, 3603 and 4513; satisfaction of the Writing Proficiency requirement.

14. Dr. Zuckweiler made a motion to adopt the following graduate course and catalog changes in Computer Science. *Dr. Brown Marsden seconded; and the motion was adopted.* (closed)

The Department of Computer Science is proposing the following change to ensure students are enrolled as they complete the exam requirements for the MS degree.

Computer Science, M.S.

Final Comprehensive Examination

A comprehensive examination is required of all degree candidates. **A student must be enrolled in at least one graduate computer science course to be eligible to take the comprehensive exam. Exam results will be reported to the Office of the Registrar only if the student remains enrolled in the course for the semester.** This examination consists of a written and oral section. The written section will evaluate the student knowledge on the five core disciplines. A satisfactory score in all five subjects will grant a waiver of the oral section. A failure on three or more core subjects will result in a non-passing decision. Any other score will require the student to take an oral exam in the failed disciplines. If unsuccessful in the examination, the student must wait to ~~be re-examined~~ **retake the examination** in the next regular semester. A student who fails the exam twice will be dismissed from the program.

15. Dr. Zuckweiler made a motion to adopt the following graduate course and catalog changes in Geology. *Dr. Brown Marsden seconded; and the motion was adopted.* (closed)

New Course Addition, effective fall 2017

GEOS 5243. Geochemistry**Prerequisites: CHEM 1243 or CHEM 1253, GEOS 3534 and STATS 3573 or the approval of the instructor.****Description: This course covers thermodynamics and kinetics as applied to earth systems, over a range of conditions relevant to the Earth's interior and its surface, with emphasis on the hydrosphere and lithosphere. The course examines speciation and phase stability in aqueous solutions, and pressure-temperature-composition relationships as applied to diagenesis, hydrothermal systems, metamorphism, and magmatism. Students will explore geochemical systems through computation and analysis.****Lecture and Lab 3(3-1)****Course Objectives and/or Additional Information:**

- **The behavior and interaction of the naturally-occurring elements and significant compounds.**
- **The compositional parameters of Earth systems on planetary, regional, and local scales.**
- **The limits and drivers of natural chemical systems.**
- **Specific topical examples of geochemical investigations.**

16. Dr. Zuckweiler made a motion to adopt the following graduate course and catalog changes in Education. *Dr. Patton seconded; and the motion was adopted.* (closed)

Catalog Changes, effective fall 2017

Major: Curriculum and Instruction – 18 hours

- EDUC 5053 - Introduction to Educational Research
- ~~EDUC 5623 – Mentoring~~ **EDUC 5423 Innovative Curriculum Design and Differentiation**
- EDUC 5633 - Curriculum Theory and Practice
- EDUC 6013 - Trends and Issues in Learning and Teaching
- EDUC 6753 - Applied Research
- IDT 5133 - Technology Integration *

Note:

*Basic computer application skills and permission of instructor required.

Option I

Resource Area:

6 hours of electives that provide support for teaching as approved by the program coordinator.

Minor*:

12 graduate hours from: Biology, Early Childhood Education, Instructional Design & Technology, History, Mathematics, Political Science, Reading, or Teacher Leadership.

Option II
Minor*:

18 graduate hours as prescribed by the Bilingual Education program, or in a field related to the public schools: Biology, English, History, Mathematics, and Political Science

Option III
Minor*: Intervention Assistance

18 graduate hours:

SPED 6013– Teaching Strategies for Affective Disorders

SPED 5813 – Tier III Reading Strategies

READ 6313 – Reading and Writing Strategies

READ 6303 – Literacy Coaching

EDBE 5023 – Communication & Pedagogy in Bilingual Classrooms

SPED 6943 – Practicum in Special Education

Additional Information

- Dr. Garrison reported that 21 First Year Experience courses are scheduled for fall 2017 at this time with 33 faculty involved.
- Ms. Lehman-Felts announced that the Honors Symposium would be this Saturday and they have over 189 entries.
- Dr. Watson announced that the MSU Model UN Team is competing in New York this week.
- Dr. Brown Marsden reported that the Artist-Lecture Series guest, Dr. Heather Knight, met with Science and Mathematics students and faculty this week. Dr. Knight is a Robotics Engineer and her work involves human-robot interaction, non-verbal machine communications, and social robots.
- Dr. Camacho invited everyone to check out their website. They still have 17 events scheduled for this semester.
- Dr. Latham announced that there will be a Native Voices Exhibition in Moffett Library beginning April 26.
- Ms. Hickman reported that the next Maroon and Gold Connection on March 29 will be in Denton.

Adjournment

Respectfully submitted.

Deb Schulte
Assistant to the Provost