

MISSOURI WESTERN STATE UNIVERSITY

Governance Advisory Council Report 2014-2015

February 20, 2015

Volume 39, No. 5

GOVERNANCE ADVISORY COUNCIL

February 17, 2015

Attendees: Dr. Jeanne Daffron, Jackie Burns, Daniel Hager, Matt McDonald, Dr. Murray Nabors, Natasha Oakes, Dr. Kathleen O'Connor, Sally Sanders

Others: Susan Bracciano, Dr. Judy Grimes, Dr. Jim Okapal

GAC #14-16 – General Studies Report #1 SP 2015

Source of Proposal: General Studies Committee

Purpose of Proposal: Policy Revision

Current Policy or Procedure:

Page 46 of the Undergraduate Catalog, under General Studies Requirements for Bachelor Degrees (Category One) and all Major/Minor Forms

Category One – Basic Skills 12-14

1. MAT 110 or MAT 112 or MAT 116 or MAT 130 or MAT 137
or MAT 147 or MAT 167
2. ENG 104 College Writing and Rhetoric (3) AND
ENG 108 College Writing and Research (3) OR
ENG 112 Honors Composition and Rhetoric (3)
3. COM 104 Oral Communication (3)

Page 140 of the Undergraduate Catalog, under BIOLOGY COURSES.

BIO 105 Principles of Organismal Biology (4) F, Sp. Examines basic concepts and principles related to organismal morphology and homeostasis of representative organisms. Three hours lecture and three hours lab per week. Prerequisites: ACT math score of 20 or higher or the equivalent, ACT English score of 19 or higher or the equivalent, and ACT reading score of 19 or higher or the equivalent. LAS Writing.

Page 151 of the Undergraduate Catalog, under CHEMISTRY COURSES.

CHE 111 General Chemistry (5) F, Sp. Basic concepts of chemistry: atomic theory and periodic system, chemical calculations, oxidation-reduction, states of matter, theory of chemical bonding, atomic structures. Four hours lecture, three hours lab. Prerequisite: Math ACT of 20 or higher or the equivalent.

Page 176 of the Undergraduate Catalog, under MATHEMATICS COURSES.

MAT 110 Contemporary Problem Solving (3) F, Sp, Su. Mathematics for solving selected real-world problems using elementary graph theory, data analysis, techniques of decision making, and the mathematics of finance. Prerequisite: ACT math score of 20 or higher or the equivalent.

MAT 112 Finite Mathematics (3) F, Sp. Linear and quadratic equations, graphs, and functions including exponential and logarithmic functions; mathematics of finance, annuities, sinking funds and mortgages; linear programming; counting methods, probability, expectation; descriptive statistics. Not open to the student with credit in MAT165 or MAT167. Prerequisite: ACT math score of 20 or higher or the equivalent.

MAT 116 College Algebra (3) F, Sp, Su. Linear, quadratic, and miscellaneous equations and inequalities; relations and functions including polynomial, exponential, and logarithmic functions; graphing; systems of equations; and matrices. Not open to the student with credit in MAT165 or MAT167. Prerequisite: ACT math score of 20 or higher or the equivalent.

Page 179 of the Undergraduate Catalog, under PHYSICS COURSES.

PHY 107 Introduction to Physics (4) Sp. A comprehensive, quantitative study of the concepts and laws of physics. Designed for students majoring in fields other than the physical sciences, mathematics, or engineering. Topics include motion, gravity, electromagnetism, atomic and nuclear physics, optics, and relativity. Three hours of lecture, two hours lab. Not open to the student with credit in PHY110 or PHY210. Prerequisite: ACT math score of 20 or higher or the equivalent.

Page 203 of the Undergraduate Catalog, under ENGLISH COMPOSITION AND LANGUAGE COURSES.

ENG 104 College Writing and Rhetoric (3) F, Sp, Su. Instruction in reading and writing; emphasizes expository prose. Fulfills first half of the general studies requirement in English composition. Prerequisite: A grade of C or higher in ENG100, or an ACT English score of 19 or higher or the equivalent, or a passing score on the Writing Placement Examination. (See class schedule for information about the WPE.)

Proposed Policy or Procedure:

1. **Update the ACT score prerequisites to match the new CBHE developmental courses requirements for the following courses: BIO 105, CHE 111, MAT 110, MAT 112, MAT 116, PHY 107, and ENG 104.**

Reasoning: These changes were passed during SP 2014, presented to GAC, but tabled as we waited for final decisions from the state level. As of December 2014 The Coordinating Board for Higher Education has published that the mandated ACT subscores used to place students in developmental and general studies level course work in MAT, ENG, and RDG be set at a consistent level statewide to:

MAT = ACT MAT subscore of 22 to enter general studies level math

ENG = ACT ENG subscore of 18 to enter general studies level English

RDG = ACT RDG subscore of 18 to not be required to take developmental reading

The course changes are actions from the respective departments to keep their prerequisite statements that are related to ACT subscores consistent with the new requirements.

2. Create MAT110E and enter it as a General Studies course in Category One—Basic Skills, Line 1

Reasoning: The course is identical to the current MAT110 but has the added requirement that its members also must take, concurrently, the newly created MAT099. The hope is to move more students into this course as opposed to the Developmental Math sequence, thereby getting students college Math credit, General Studies credit, and credits toward graduation sooner in the hope of improving retention and graduation rates.

3. Change ENG104 to add prerequisite of completion of RDG 095 or an ACT Reading score of 18 or higher, or a passing score on the Accuplacer test.

Reasoning: ENG104 assumes college level reading skills in order to effectively complete and pass ENG104. The course is centered on developing the abilities to read and analyze information in order to be able to successfully complete writing assignments.

4. Ensure that MAT165 is included in the upcoming catalog and major /minor forms (was passed in 2014).

Page 46 of the Undergraduate Catalog, under General Studies Requirements for Bachelor Degrees (Category One) and all Major/Minor Forms

Category One — Basic Skills 12-14

1. MAT 110 or **MAT110E** or MAT 112 or MAT 116 or MAT 137

or MAT 147 or **MAT165** or MAT 167

2. ENG 104 College Writing and Rhetoric (3) AND

ENG 108 College Writing and Research (3) OR

ENG 112 Honors Composition and Rhetoric (3)

3. COM 104 Oral Communication (3)

Page 140 of the Undergraduate Catalog, under BIOLOGY COURSES.

BIO 105 Principles of Organismal Biology (4) F, Sp. Examines basic concepts and principles related to organismal morphology and homeostasis of representative organisms. Three hours lecture and three hours lab per week. Prerequisites: ACT math score of **22** or higher or the equivalent, ACT English score of **18** or higher or the equivalent, and ACT reading score of **18** or higher or the equivalent. LAS Writing.

Page 151 of the Undergraduate Catalog, under CHEMISTRY COURSES.

CHE 111 General Chemistry (5) F, Sp. Basic concepts of chemistry: atomic theory and periodic system, chemical calculations, oxidation-reduction, states of matter, theory of chemical bonding, atomic structures. Four hours lecture, three hours lab. Prerequisite: Math ACT of **22** or higher or the equivalent.

Page 176 of the Undergraduate Catalog, under MATHEMATICS COURSES.

MAT 110E Contemporary Problem Solving (3) F, Sp, Su. Mathematics for solving selected real-world problems using elementary graph theory, data analysis, techniques of decision making, and the mathematics of finance. Same as MAT110. Prerequisite: ACT math subscore of at least 18 OR a sufficient score on math placement exam OR departmental approval. Must be taken concurrently with MAT099.

MAT 110 Contemporary Problem Solving (3) F, Sp, Su. Mathematics for solving selected real-world problems using elementary graph theory, data analysis, techniques of decision making, and the mathematics of finance. Same as MAT110E. Prerequisite: ACT math subscore of at least 22 OR a sufficient score on math placement exam OR departmental approval.

MAT 112 Finite Mathematics (3) F, Sp. Linear and quadratic equations, graphs, and functions including exponential and logarithmic functions; mathematics of finance, annuities, sinking funds and mortgages; linear programming; counting methods, probability, expectation; descriptive statistics. Not open to the student with credit in MAT165 or MAT167. Prerequisite: ACT math score of **22** or higher ~~or the equivalent~~ **OR a sufficient score on math placement exam OR departmental approval.**

MAT 116 College Algebra (3) F, Sp, Su. Linear, quadratic, and miscellaneous equations and inequalities; relations and functions including polynomial, exponential, and logarithmic functions; graphing; systems of equations; and matrices. Not open to the student with credit in MAT165 or MAT167. Prerequisite: ACT math score of **22** or higher ~~or the equivalent~~ **OR a sufficient score on math placement exam OR departmental approval.**

Page 179 of the Undergraduate Catalog, under PHYSICS COURSES.

PHY 107 Introduction to Physics (4) Sp. A comprehensive, quantitative study of the concepts and laws of physics. Designed for students majoring in fields other than the physical sciences, mathematics, or engineering. Topics include motion, gravity, electromagnetism, atomic and nuclear physics, optics, and relativity. Three hours of lecture, two hours lab. Not open to the student with credit in PHY110 or PHY210. Prerequisite: ACT math score of **22** or higher or the equivalent.

Page 203 of the Undergraduate Catalog, under ENGLISH COMPOSITION AND LANGUAGE COURSES.

ENG 104 College Writing and Rhetoric (3) F, Sp, Su. Instruction in reading and writing; emphasizes expository prose. Fulfills first half of the general studies requirement in English composition. Prerequisite: A grade of C or higher in RDG095, or an ACT Reading score of 18 or higher, or a passing score on the Accuplacer test. In addition, a grade of C or higher in ENG100, or an ACT English score of 18 or higher or a passing score on the Writing Placement Examination. (See placement testing information on department website.)

GAC Summary: The course MAT 130 has not been offered for some time, so this reference will be removed from the proposal. The prerequisites for MAT 112 and MAT 116 should read the same as MAT 110 so as not to be confusing. Thus, the prerequisite information will read: "ACT math score of **22** or higher OR a sufficient score on math placement exam OR departmental approval."

Under #4, ENG 104 College Writing and Rhetoric, the last sentence should read, "In addition, a grade of C or higher in ENG 100, or an ACT English score of 18 or higher or a passing score on the Writing Placement Examination," (removing "or the equivalent").

With these changes, this proposal will be forwarded to the President for his approval.

Presidential Action: This proposal was signed by the President on February 19, 2015.

The following proposals have not yet received wording recommendations from the University attorney. Once received, they will be distributed to the Council for review and comments and the results distributed in a separate set of minutes.

GAC #14-17 – Nondiscrimination/Equal Opportunity Statement

GAC #14-18 – Nondiscrimination/Equal Opportunity Statement: Procedures for Reporting and Investigating Complaints

Respectfully submitted,

Jennie McDonald
Secretary