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Missouri State University Curricular Proposal Course Change or Deletion

Department Biology

Date August 19, 2014

Check one: This is a change to an existing COURSE
 an existing REGULAR (i.e. permanent) SECTION of a variable content course

Present Course Code and Number BIO 560 Course Title Population Genetics and Evolutionary Mechanisms

Revised Catalog Description (Copy/paste present description from online catalog, strikethrough all deletions, and insert/bold new information.)

BIO 560 Population Genetics and Evolutionary Mechanisms

Prerequisite: ~~BIO 515 and BIO 550~~ **BIO 235**

The theory of genetic variation in populations, with emphasis on quantitative description of the mechanisms of biological evolution. May be taught concurrently with BIO 659. Cannot receive credit for both BIO 659 and BIO 560.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0

Typically offered: Upon demand

Complete New Catalog Information

BIO 560 Population Genetics and Evolutionary Mechanisms

Prerequisite: ~~BIO 235~~

The theory of genetic variation in populations, with emphasis on quantitative description of the mechanisms of biological evolution. May be taught concurrently with BIO 659. Cannot receive credit for both BIO 659 and BIO 560.

Credit hours: 3 Lecture contact hours: 3 Lab contact hours: 0

What is changing? Check all boxes that apply.

- Course Deletion Course Code Course Number Title Prerequisite
 Credit Hours/Contact Hours Periodicity Description

Reason for Proposed Change or Deletion

I wish to make this course available to a broader audience. Very few undergraduates complete the current prerequisites in time to include this course in their curriculum. I routinely review the necessary statistical concepts during the first week of classes, and students receive an adequate exposure to evolution in general, and to population genetics in particular, in BIO 121, BIO 122, and BIO 235. Thus, changing the prerequisite to BIO 235 (general genetics) ensures adequate exposure at an introductory level, completion of college algebra, and a solid background in genetics.

How Did You Determine the Need For This Change or Deletion? Student feedback

Check if this is a non-substantive change. Distribution for non-substantive changes of 100- through 500-level courses: two originally-signed copies to Faculty Senate; 600- through 900-level courses: three originally-signed copies to Graduate Council. Graduate Council will give two copies to Faculty Senate after approval.

Substantive Change: Department routes according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty. Forward ~~three~~ originally signed forms to one of the following (please check all that apply and send to first council/committee marked). If proposal needs to go through more than one council/committee, forward one additional form for each additional council/committee marked. See Senate Action 11-93/94 for definitions of substantive/non-substantive changes.

- College Council** (All substantive course changes numbered 100-599 must go through College Council first. After approval, College Council will forward appropriate number of copies to the next committee/council or directly to the Faculty Senate if no further committee approval is needed. The last level of committee/council will forward two originally signed copies to the Faculty Senate.)
- Professional Education Committee** (Considers all substantive course changes for Professional Education courses and Teaching Methods courses.)
- Committee on General Education and Intercollegiate Programs** (Considers all substantive course changes for General Education and Intercollegiate Program proposals.)
- Graduate Council** (Considers all 600-900 level course changes.)

Signature

[Signature]

Department Head

Date

8-21-14

(Routing on Reverse Side)

FS Program Change - 10/8/2013



Missouri State University
Curricular Proposal Program Change or Deletion

Department Mathematics Date 8/25/2014

Title of Program Affected BS-Mathematics-Comprehensive

Type of Program: Major Comprehensive Major Option Minor Certificate Certification
Academic Rules Other

Revised Catalog Description (cut and paste present description from online catalog, strikethrough all deletions, and insert and bold new information)

Mathematics (Comprehensive) (BS)

Bachelor of Science

A. General Education Requirements - see General Education Program and Requirements section of catalog

B. Major Requirements (62 hours)

1. MTH 261(5), 280(5), 302(3), 303(3), 315(3), 497(1), 503(3), 532(3), 533(3), 540(3); MTH 421(3) or 541(3)
2. Public Affairs Capstone Experience will be fulfilled by completion of MTH 497(1), 503(3), 532(3), and 540(3).
3. Select an additional 18 hours from mathematics courses numbered 400 or higher. The comprehensive major is individualized. Selection of courses for the additional 18 hours shall be made in conference with the advisor and is subject to approval by the department head. Students are encouraged to elect courses from other disciplines to enhance the comprehensive major. Minimum for major is ~~53~~ 52 hours.
4. Courses required from related areas: CSC 125(4) or ~~131(4)~~; 130(3); PHY 203(5) (PHY 203 may partially fulfill the natural world general education requirement.)

General Baccalaureate Degree Requirements - see General Baccalaureate Degree Requirements section of catalog

Complete New Catalog Description

Mathematics (Comprehensive) (BS)

Bachelor of Science

A. General Education Requirements - see General Education Program and Requirements section of catalog

B. Major Requirements (62 hours)

1. MTH 261(5), 280(5), 302(3), 303(3), 315(3), 497(1), 503(3), 532(3), 533(3), 540(3); MTH 421(3) or 541(3)
2. Public Affairs Capstone Experience will be fulfilled by completion of MTH 497(1), 503(3), 532(3), and 540(3).
3. Select an additional 18 hours from mathematics courses numbered 400 or higher. The comprehensive major is individualized. Selection of courses for the additional 18 hours shall be made in conference with the advisor and is subject to approval by the department head. Students are encouraged to elect courses from other disciplines to enhance the comprehensive major. Minimum for major is 53 hours.
4. Courses required from related areas: CSC 125(4) or 130(3); PHY 203(5) (PHY 203 may partially fulfill the natural world general education requirement.)

General Baccalaureate Degree Requirements - see General Baccalaureate Degree Requirements section of catalog

Total Hours 62-63

What is changing? Check all boxes that apply.

- | | | |
|--|---|---|
| <input type="checkbox"/> Title change | <input type="checkbox"/> From option to program (major) | <input checked="" type="checkbox"/> Other <u>Courses in Related Areas</u> |
| <input checked="" type="checkbox"/> Course changes of under 18 hours | <input type="checkbox"/> From program (major) to option | |
| <input type="checkbox"/> Course changes of 18 hours or more | <input type="checkbox"/> Program or option deletion | |

Reason for Proposed Change

CSC 130 is now a prerequisite for CSC 131.

DEPARTMENT: Route according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty Senate. Forward three typed, originally signed forms to one of the following (please check all that apply and send to first council/committee marked). If the program needs to go through more than one committee/council, forward one additional form for each additional council/ committee marked.

College Council

(Send all undergraduate program changes through College Council as first step before forwarding either to PEC, CGEIP, or directly to Faculty Senate)

Professional Education Committee

(Considers all program changes affecting BS and MS in Education and Educational Specialist degrees)

Committee on General Education and Intercollegiate Programs

(Considers all general education and multi-college program changes)

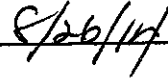
Graduate Council

(Considers all graduate-level program changes)

Signature


Department Head

Date



(Routing on Reverse Side)

FS Program Change - 10/8/2013

3

Missouri State University
Curricular Proposal Program Change or Deletion

Department Mathematics Date 8/25/2014

Title of Program Affected BS-Mathematics-Noncomprehensive

Type of Program: Major x Comprehensive Major Option Minor Certificate Certification
 Academic Rules Other

Revised Catalog Description (cut and paste present description from online catalog, strikethrough all deletions, and insert and bold new information)

Mathematics (Non-Comprehensive) (BS)
Bachelor of Science

A. General Education Requirements - see General Education Program and Requirements section of catalog

B. Major Requirements

1. MTH 261(5), 280(5), 302(3), 303(3), 315(3), 497(1), 503(3), 532(3), 533(3), 540(3)
2. Public Affairs Capstone Experience will be fulfilled by completion of MTH 497(1), 503(3), 532(3), and 540(3).
3. Select one of the following options:
 - a. **Actuarial Mathematics:**
 1. MTH 450(3), 541(3)
 2. Select an additional six hours from the following courses: MTH 543(3), 546(3), 547(3), 548(3)
 3. A minor in Insurance is recommended
 - b. **Applied Mathematics:**
 1. MTH 421(3), 580(3)
 2. Select an additional six hours from the following courses: MTH 422(3), 507(3), 537(3), 543(3), 570(3)
 - c. **General Mathematics:**
 1. MTH 421(3) or 541(3)
 2. Select an additional nine hours from mathematics courses numbered 400 or higher
 - d. **Statistics:**
 1. MTH 541(3)
 2. Select an additional nine hours from the following courses: MTH 543(3), 545(3), 546(3), 547(3), 548(3)
4. Courses required from related areas: CSC 125(4) or ~~131(4)~~ 130(3); PHY 203(5) (PHY 203 may partially fulfill the Natural World general education requirement.)

C. Minor Required (or second major)

General Baccalaureate Degree Requirements - see General Baccalaureate Degree Requirements section of catalog

Complete New Catalog Description

Mathematics (Non-Comprehensive) (BS)

Bachelor of Science

D. General Education Requirements - see General Education Program and Requirements section of catalog

E. Major Requirements

1. MTH 261(5), 280(5), 302(3), 303(3), 315(3), 497(1), 503(3), 532(3), 533(3), 540(3)
2. Public Affairs Capstone Experience will be fulfilled by completion of MTH 497(1), 503(3), 532(3), and 540(3).
3. Select one of the following options:
 - a. **Actuarial Mathematics:**
 1. MTH 450(3), 541(3)
 2. Select an additional six hours from the following courses: MTH 543(3), 546(3), 547(3), 548(3)
 3. A minor in Insurance is recommended
 - b. **Applied Mathematics:**
 1. MTH 421(3), 580(3)
 2. Select an additional six hours from the following courses: MTH 422(3), 507(3), 537(3), 543(3), 570(3)
 - c. **General Mathematics:**
 1. MTH 421(3) or 541(3)
 2. Select an additional nine hours from mathematics courses numbered 400 or higher
 - d. **Statistics:**
 1. MTH 541(3)
 2. Select an additional nine hours from the following courses: MTH 543(3), 545(3), 546(3), 547(3), 548(3)
4. Courses required from related areas: CSC 125(4) or 130(3); PHY 203(5) (PHY 203 may partially fulfill the Natural World general education requirement.)

F. Minor Required (or second major)

General Baccalaureate Degree Requirements - see General Baccalaureate Degree Requirements section of catalog

Total Hours 52-56

What is changing? Check all boxes that apply.

- | | | |
|--|---|--|
| <input type="checkbox"/> Title change | <input type="checkbox"/> From option to program (major) | <input checked="" type="checkbox"/> Other Courses required other areas |
| <input checked="" type="checkbox"/> Course changes of under 18 hours | <input type="checkbox"/> From program (major) to option | |
| <input type="checkbox"/> Course changes of 18 hours or more | <input type="checkbox"/> Program or option deletion | |

Reason for Proposed Change

CSC 130 is now prerequisite for CSC 131

DEPARTMENT: Route according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty Senate. Forward three typed, originally signed forms to one of the following (please check all that apply and send to first council/committee marked). If the program needs to go through more than one committee/council, forward one additional form for each additional council/ committee marked.

- | | |
|--|--|
| <input checked="" type="checkbox"/> College Council | (Send all undergraduate program changes through College Council as first step before forwarding either to PEC, CGEIP, or directly to Faculty Senate) |
| <input type="checkbox"/> Professional Education Committee | (Considers all program changes affecting BS and MS in Education and Educational Specialist degrees) |
| <input type="checkbox"/> Committee on General Education and Intercollegiate Programs | (Considers all general education and multi-college program changes) |
| <input type="checkbox"/> Graduate Council | (Considers all graduate-level program changes) |

Signature 
Department Head

Date 8/26/14

(Routing on Reverse Side)

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Missouri State University
Curricular Proposal Program Change or Deletion

Department Mathematics Date 8/25/2014

Title of Program Affected BA-Mathematics-Noncomprehensive

Type of Program: Major Comprehensive Major Option Minor Certificate Certification
Academic Rules Other

Revised Catalog Description (cut and paste present description from online catalog, strikethrough all deletions, and insert and bold new information)

Mathematics (Non-Comprehensive) (BA)

Bachelor of Arts

- A. General Education Requirements - see General Education Program and Requirements section of catalog
 - B. Major Requirements (34 hours)
 - 1. MTH 261(5), 280(5), 302(3), 315(3), 497(1), 503(3), 532(3), 533(3), 540(3)
 - 2. Select an additional course from: MTH 303(3), 421(3), 575(3), or from mathematics courses numbered 400 or higher. Minimum for major is 34 hours.
 - 3. Course required from related area: CSC 121(3) or 125(4) or ~~131(4)~~ 130(3)
 - 4. Public Affairs Capstone Experience will be fulfilled by completion of MTH 497(1), 503(3), 532(3), and 540(3).
 - C. Minor Required (or second major)
 - D. Specific Requirements for Bachelor of Arts Degree - see Specific Bachelor of Arts Degree Requirements section of catalog
- General Baccalaureate Degree Requirements - see General Baccalaureate Degree Requirements section of catalog

Complete New Catalog Description

Mathematics (Non-Comprehensive) (BA)

Bachelor of Arts

- A. General Education Requirements - see General Education Program and Requirements section of catalog
 - B. Major Requirements (34 hours)
 - 1. MTH 261(5), 280(5), 302(3), 315(3), 497(1), 503(3), 532(3), 533(3), 540(3)
 - 2. Select an additional course from: MTH 303(3), 421(3), 575(3), or from mathematics courses numbered 400 or higher. Minimum for major is 34 hours.
 - 3. Course required from related area: CSC 121(3) or 125(4) or 130(3)
 - 4. Public Affairs Capstone Experience will be fulfilled by completion of MTH 497(1), 503(3), 532(3), and 540(3).
 - C. Minor Required (or second major)
 - D. Specific Requirements for Bachelor of Arts Degree - see Specific Bachelor of Arts Degree Requirements section of catalog
- General Baccalaureate Degree Requirements - see General Baccalaureate Degree Requirements section of catalog

Total Hours 33-34

What is changing? Check all boxes that apply.

- Title change
- Course changes of under 18 hours
- Course changes of 18 hours or more
- From option to program (major)
- From program (major) to option
- Program or option deletion
- Other Courses required other areas

Reason for Proposed Change

CSC 130 is now prerequisite for CSC 131

DEPARTMENT: Route according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty Senate. Forward three typed, originally signed forms to one of the following (please check all that apply and send to first council/committee marked). If the program needs to go through more than one committee/council, forward one additional form for each additional council/ committee marked.

- College Council** (Send all undergraduate program changes through College Council as first step before forwarding either to PEC, CGEIP, or directly to Faculty Senate)
- Professional Education Committee** (Considers all program changes affecting BS and MS in Education and Educational Specialist degrees)
- Committee on General Education and Intercollegiate Programs** (Considers all general education and multi-college program changes)
- Graduate Council** (Considers all graduate-level program changes)

Signature 
Department Head

Date 8/26/14

(Routing on Reverse Side)

FS Program Change - 10/8/2013

5

Missouri State University Curricular Proposal Course Change or Deletion

Department Mathematics Date 8/20/2014

Check one: This is a change to an existing COURSE
 an existing REGULAR (i.e. permanent) SECTION of a variable content course

Present Course Code and Number MTH 101 Course Title Intermediate Algebra I

Revised Catalog Description (Copy/paste present description from online catalog, strikethrough all deletions, and insert/bold new information.)

MTH 101 Intermediate Algebra A
This course is recommended for students who have not mastered algebra concepts needed for college algebra. ~~Topics include linear equations and inequalities, absolute value equations and inequalities, exponents, polynomials, rational expressions, and radicals.~~ **Topics will include linear and quadratic equations, absolute value equations and inequalities, linear and nonlinear inequalities, properties of exponents, rectangular coordinate systems, lines, circles, parabolas, systems of equations, polynomials and rational expressions, and functions.** Cannot receive credit toward graduation for both MTH 101 and MTH 103. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 102, MTH 130, MTH 135, or MTH 138. Cannot be taken Pass/Not Pass.

Complete New Catalog Information

MTH 101 Intermediate Algebra A
This course is recommended for students who have not mastered algebra concepts needed for college algebra. Topics will include linear and quadratic equations, absolute value equations and inequalities, linear and nonlinear inequalities, properties of exponents, rectangular coordinate systems, lines, circles, parabolas, systems of equations, polynomials and rational expressions, and functions. Cannot receive credit toward graduation for both MTH 101 and MTH 103. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 130, MTH 135, or MTH 138. Cannot be taken Pass/Not Pass.
MTH 101 Intermediate Algebra A, Credit Hours 3, Lecture Contact Hours 3, Lab Contact Hours 2, Typically offered Fall/Summer

What is changing? Check all boxes that apply.

- Course Deletion
- Course Code
- Course Number
- Title
- Prerequisite
- Credit Hours/Contact Hours
- Periodicity
- Description

Reason for Proposed Change or Deletion

New course is based on a pilot program combining old MTH 101 and 102 into a single course with 3 lecture hours and 2 lab hours for students with Lower ACT/SAT scores and/or math placement scores.

How Did You Determine the Need For This Change or Deletion?

Pilot Study

Check if this is a **non-substantive** change. Distribution for non-substantive changes of 100- through 500-level courses: two originally-signed copies to Faculty Senate; 600- through 900-level courses: three originally-signed copies to Graduate Council. Graduate Council will give two copies to Faculty Senate after approval.

Substantive Change: Department routes according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty. Forward three originally signed forms to one of the following (please check all that apply and send to first council/committee marked). If proposal needs to go through more than one council/committee, forward one additional form for each additional council/committee marked. See Senate Action 11-93/94 for definitions of substantive/non-substantive changes.

- College Council** (All substantive course changes numbered 100-599 must go through College Council first. After approval, College Council will forward appropriate number of copies to the next committee/council or directly to the Faculty Senate if no further committee approval is needed. The last level of committee/council will forward two originally signed copies to the Faculty Senate.)
- Professional Education Committee** (Considers all substantive course changes for Professional Education courses and Teaching Methods courses.)
- Committee on General Education and Intercollegiate Programs** (Considers all substantive course changes for General Education and Intercollegiate Program proposals.)
- Graduate Council** (Considers all 600-900 level course changes.)

Signature [Signature]
Department Head

Date 11/25/14

(Routing on Reverse Side)

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Missouri State University
Curricular Proposal Course Change or Deletion

Department Mathematics

Date 8/20/2014

Check one: This is a change to an existing COURSE
 an existing REGULAR (i.e. permanent) SECTION of a variable content course

Present Course Code and Number MTH 130

Course Title Contemporary Mathematics

Revised Catalog Description (Copy/paste present description from online catalog, strikethrough all deletions, and insert/bold new information.)

MTH 130 Contemporary Mathematics

Prerequisite: "C" grade or better in ~~MTH 102~~ **MTH 101** or MTH 103 or approved score on a departmental placement test. General Education Course (Focus on Quantitative Literacy).

This is a problem solving and applications of mathematics course. Topics to be studied will include, but not limited to: the art of problem solving, geometry, probability, statistics, and mathematics of finance. Cannot count toward a mathematics major or minor. Cannot be taken Pass/Not Pass. MTH 130 does not meet the prerequisite for MTH 135.

Complete New Catalog Information

MTH 130 Contemporary Mathematics

Prerequisite: "C" grade or better in MTH 101 or MTH 103 or approved score on a departmental placement test. General Education Course (Focus on Quantitative Literacy).

This is a problem solving and applications of mathematics course. Topics to be studied will include, but not limited to: the art of problem solving, geometry, probability, statistics, and mathematics of finance. Cannot count toward a mathematics major or minor. Cannot be taken Pass/Not Pass. MTH 130 does not meet the prerequisite for MTH 135.

Credit hours:3 Lecture contact hours:3 Lab contact hours:0

Typically offered: Fall, Spring

What is changing? Check all boxes that apply.

- Course Deletion
- Course Code
- Course Number
- Title
- Prerequisite
- Credit Hours/Contact Hours
- Periodicity
- Description

Reason for Proposed Change or Deletion

Elimination of MTH 102.

How Did You Determine the Need For This Change or Deletion?

Check if this is a non-substantive change. Distribution for non-substantive changes of 100- through 500-level courses: two originally-signed copies to Faculty Senate; 600- through 900-level courses: three originally-signed copies to Graduate Council. Graduate Council will give two copies to Faculty Senate after approval.

Substantive Change: Department routes according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty. Forward three originally signed forms to one of the following (please check all that apply and send to first council/committee marked). If proposal needs to go through more than one council/committee, forward one additional form for each additional council/committee marked. See Senate Action 11-93/94 for definitions of substantive/non-substantive changes.

College Council

(All substantive course changes numbered 100-599 must go through College Council first. After approval, College Council will forward appropriate number of copies to the next committee/council or directly to the Faculty Senate if no further committee approval is needed. The last level of committee/council will forward two originally signed copies to the Faculty Senate.)

Professional Education Committee

(Considers all substantive course changes for Professional Education courses and Teaching Methods courses.)

Committee on General Education and Intercollegiate Programs

(Considers all substantive course changes for General Education and Intercollegiate Program proposals.)

Graduate Council

(Considers all 600-900 level course changes.)

Signature [Signature]
Department Head

Date 8/26/14

(Routing on Reverse Side)

9

Missouri State University Curricular Proposal Course Change or Deletion

Department Mathematics Date 8/20/2014

Check one: This is a change to an existing COURSE
 an existing REGULAR (i.e. permanent) SECTION of a variable content course

Present Course Code and Number MTH 135 Course Title College Algebra

Revised Catalog Description (Copy/paste present description from online catalog, strikethrough all deletions, and insert/bold new information.)

MTH 135 College Algebra

Prerequisite: "C" grade or better in MTH 102 MTH 101 or MTH 103, or appropriate placement score, Note: MTH 130 does not meet the prerequisite for MTH 135. General Education Course (Focus on Quantitative Literacy).

Contents include the study of linear and quadratic equations; inequalities and their applications; polynomial, rational, exponential and logarithmic functions; and systems of equations. Cannot receive credit toward graduation for both MTH 135 and MTH 138. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 181, MTH 285, or MTH 287. Cannot be taken Pass/Not Pass.

Complete New Catalog Information

MTH 135 College Algebra

Prerequisite: "C" grade or better in MTH 101 or MTH 103, or appropriate placement score, Note: MTH 130 does not meet the prerequisite for MTH 135. General Education Course (Focus on Quantitative Literacy).

Contents include the study of linear and quadratic equations; inequalities and their applications; polynomial, rational, exponential and logarithmic functions; and systems of equations. Cannot receive credit toward graduation for both MTH 135 and MTH 138. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 181, MTH 285, or MTH 287. Cannot be taken Pass/Not Pass.

Credit Hours: 3 Lecture Contact Hours: 3 Lab Contact Hours 0

What is changing? Check all boxes that apply.

- Course Deletion
- Course Code
- Course Number
- Title
- Prerequisite
- Credit Hours/Contact Hours
- Periodicity
- Description

Reason for Proposed Change or Deletion

Elimination of MTH 102.

How Did You Determine the Need For This Change or Deletion?

Check if this is a **non-substantive** change. Distribution for non-substantive changes of 100- through 500-level courses: two originally-signed copies to Faculty Senate; 600- through 900-level courses: three originally-signed copies to Graduate Council. Graduate Council will give two copies to Faculty Senate after approval.

Substantive Change: Department routes according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty. Forward three originally signed forms to one of the following (please check all that apply and send to first council/committee marked). If proposal needs to go through more than one council/committee, forward one additional form for each additional council/committee marked. See Senate Action 11-93/94 for definitions of substantive/non-substantive changes.

College Council

(All substantive course changes numbered 100-599 must go through College Council first. After approval, College Council will forward appropriate number of copies to the next committee/council or directly to the Faculty Senate if no further committee approval is needed. The last level of committee/council will forward two originally signed copies to the Faculty Senate.)

Professional Education Committee

(Considers all substantive course changes for Professional Education courses and Teaching Methods courses.)

Committee on General Education and Intercollegiate Programs

(Considers all substantive course changes for General Education and Intercollegiate Program proposals.)

Graduate Council

(Considers all 600-900 level course changes.)

Signature [Signature]

Department Head

Date 8/26/14

(Routing on Reverse Side)

8

Missouri State University Curricular Proposal Course Change or Deletion

Department Mathematics Date 8/20/2014

Check one: This is a change to an existing COURSE
 an existing REGULAR (i.e. permanent) SECTION of a variable content course

Present Course Code and Number MTH 138 Course Title Precalculus

Revised Catalog Description (Copy/paste present description from online catalog, strikethrough all deletions, and insert/bold new information.)

MTH 138 Pre-Calculus Mathematics

Prerequisite: "C" grade or better in ~~MTH 102~~ MTH 101 or MTH 103 (Recommended: "B" grade or better in ~~MTH 102~~ MTH 101 or MTH 103), or appropriate placement score. General Education Course (Focus on Quantitative Literacy).
Selected topics in algebra and trigonometry to prepare the student for calculus. Cannot receive credit toward graduation for both MTH 138 and MTH 135. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 261, 287, CSC 125 or 131. Cannot be taken Pass/Not Pass.

Complete New Catalog Information

MTH 138 Pre-Calculus Mathematics

Prerequisite: "C" grade or better in MTH 101 or MTH 103 (Recommended: "B" grade or better in MTH 101 or MTH 103), or appropriate placement score. General Education Course (Focus on Quantitative Literacy).
Selected topics in algebra and trigonometry to prepare the student for calculus. Cannot receive credit toward graduation for both MTH 138 and MTH 135. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 261, 287, CSC 125 or 131. Cannot be taken Pass/Not Pass.

What is changing? Check all boxes that apply.

- Course Deletion
- Course Code
- Course Number
- Title
- Prerequisite
- Credit Hours/Contact Hours
- Periodicity
- Description

Reason for Proposed Change or Deletion

Elimination of MTH 102.

How Did You Determine the Need For This Change or Deletion?

Check if this is a **non-substantive** change. Distribution for non-substantive changes of 100- through 500-level courses: two originally-signed copies to Faculty Senate; 600- through 900-level courses: three originally-signed copies to Graduate Council. Graduate Council will give two copies to Faculty Senate after approval.

Substantive Change: Department routes according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty. Forward three originally signed forms to one of the following (please check all that apply and send to first council/committee marked). If proposal needs to go through more than one council/committee, forward one additional form for each additional council/committee marked. See Senate Action 11-93/94 for definitions of substantive/non-substantive changes.

- College Council** (All substantive course changes numbered 100-599 must go through College Council first. After approval, College Council will forward appropriate number of copies to the next committee/council or directly to the Faculty Senate if no further committee approval is needed. The last level of committee/council will forward two originally signed copies to the Faculty Senate.)
- Professional Education Committee** (Considers all substantive course changes for Professional Education courses and Teaching Methods courses.)
- Committee on General Education and Intercollegiate Programs** (Considers all substantive course changes for General Education and Intercollegiate Program proposals.)
- Graduate Council** (Considers all 600-900 level course changes.)

Signature [Signature]
Department Head

Date 8/26/14

(Routing on Reverse Side)

9

Missouri State University
Curricular Proposal Course Change or Deletion

Department Mathematics Date 8/20/2014

Check one: This is a change to an existing COURSE
 an existing REGULAR (i.e. permanent) SECTION of a variable content course

Present Course Code and Number MTH 102 Course Title Intermediate Algebra II

Revised Catalog Description (Copy/paste present description from online catalog, strikethrough all deletions, and insert/bold new information.)

NONE

Complete New Catalog Information

NONE

What is changing? Check all boxes that apply.

- Course Deletion
- Course Code
- Course Number
- Title
- Prerequisite
- Credit Hours/Contact Hours
- Periodicity
- Description

Reason for Proposed Change or Deletion

New version of MTH 101 combines old versions of MTH 101 and 102.

How Did You Determine the Need For This Change or Deletion?

Pilot Study

Check if this is a non-substantive change. Distribution for non-substantive changes of 100- through 500-level courses: two originally-signed copies to Faculty Senate; 600- through 900-level courses: three originally-signed copies to Graduate Council. Graduate Council will give two copies to Faculty Senate after approval.

Substantive Change: Department routes according to ART VI, SEC 3B(1-4) of Bylaws of the Faculty. Forward three originally signed forms to one of the following (please check all that apply and send to first council/committee marked). If proposal needs to go through more than one council/committee, forward one additional form for each additional council/committee marked. See Senate Action 11-93/94 for definitions of substantive/non-substantive changes.

- College Council (All substantive course changes numbered 100-599 must go through College Council first. After approval, College Council will forward appropriate number of copies to the next committee/council or directly to the Faculty Senate if no further committee approval is needed. The last level of committee/council will forward two originally signed copies to the Faculty Senate.)
- Professional Education Committee (Considers all substantive course changes for Professional Education courses and Teaching Methods courses.)
- Committee on General Education and Intercollegiate Programs (Considers all substantive course changes for General Education and Intercollegiate Program proposals.)
- Graduate Council (Considers all 600-900 level course changes.)

Signature [Signature]
Department Head

Date 8/26/14

(Routing on Reverse Side)

FS Program Change - 10/8/2013