## BIOL 19-20 #2

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**Program Modification**
1.2 Biology, B.S. major Medical Science emphasis

**Program Drop**
1.10 Biology, B.S. major Cellular and Molecular Emphasis (DROP TO EMPHASIS ONLY)

1.15 Signatures
BSU Curriculum Forms

Form 1

Curriculum Modification Summary

College: College of Business, Mathematics & Science
Department: Biology
Proposer: Andrew Arsham
Proposer’s position: Assistant Professor

Describe the modification(s) you propose, and how it (they) will work to students' advantage. (This description and explanation will be included in Curriculum Report packets forwarded to the Faculty Senate.):

This is a program modification proposal for the Medical Sciences emphasis of the B.S. in Biology major. We are proposing to make the B.S. in Biology major less prescribed, but are retaining more specific requirements in this Medical Sciences Emphasis. The following changes are proposed:

- The overall credits needed to earn a B.S. in Biology with Medical Sciences Emphasis is currently 71 credits. This proposal increases to 73 by eliminating the zero credit capstone option (in parallel with an identical change in the BS see below)
- Students can currently use successful completion of a professional or graduate school exam as their capstone project (BIOL 4800) as long as they score in the 60th percentile of the nationwide scores for that exam. This option was rarely used by students for their capstone project. When it was attempted, often times students did not place within the 60th percentile. Students earning a B.S. in Biology are better served by a culminating experience such as original research, internships and shadowing. Therefore, we are proposing to drop BIOL 4800 as an option to fulfill the capstone.

This proposal also includes dropping the Biology, B.S. major Cellular and Molecular emphasis

Modifications proposed (specify number of each):

- Course Modification(s) (form 2)
- New Course(s) (form 3)
- Course Drop(s) (form 4)
- Program Modification(s) (form 5)
- New Program(s) (form 6)
- Program Drop(s) (form 7) (DROP TO EMPHASIS ONLY)

The modifications affect (check):

- Liberal Education
- Undergraduate Curriculum
- Graduate Curriculum
- Teacher Licensure Program(s)
BSU Curriculum Forms

Form 5

Program Modification Form

Program to be modified: Biology B.S. major Medical Science Emphasis (Optional)

List all proposed change(s):

- Change Capstone requirements
- Change course requirements for Required Courses in Related Fields
- Change number of elective credits

Reason(s) for the change(s):
Biology BS degree and Medical Sciences emphasis will be changed to simplify and streamline course requirements for the major. The changes will provide greater course flexibility to students seeking the major without compromising post-graduate professional opportunities.

Note: In order to avoid hidden prerequisites, if a course is being dropped from this program (but not from the entire curriculum), please check for which remaining courses may include this dropped course as a prerequisite. Course prerequisites may be found in the online catalog (http://www.bemidjistate.edu/academics/catalog/). Remedies for hidden prerequisites may be found under Curriculum Forms at (http://www.bemidjistate.edu/faculty_staff/faculty_association/forms/).

Note: If a course from another department/program was either added to or dropped from this program, please notify the chair/coordinator of that course's department/program and indicate the following:
The course’s home department/program was notified of the addition or dropping of their course(s) on _________ (date) by _________________ (mail, email, or phone).

Please check one of the items below:

_____ No comments were received from other programs or departments within one week of the notification.

_____ Comments were received within one week of the notification, and are attached.

Note: If this is a joint program, the signatures of both department chairs (and both deans, if different colleges) must be provided.

Alert: Attach a copy of the current program showing the marked changes. Please copy the current program from the online catalog (http://www.bemidjistate.edu/academics/catalog/) and paste it into Word. Then use either the Track Changes feature under Tools, or the underline and strikethrough Font feature under Format. (Please note that the Track Changes feature may be easily switched on and off by holding down the Ctrl+Shift+E keys.)
**Biology, B.S. major**
Medical Sciences Emphasis (Optional)

Required Credits: **74**
Required GPA: **2.25**

**I REQUIRED BIOLOGY CORE COURSES**

COMPLETE THE FOLLOWING COURSES:

- BIOL 1211 *Introductory Biology I* (4 credits)  
  (Note: This course is in progress for title change)
- BIOL 1212 *Introductory Biology II* (4 credits)  
  (Note: This course is in progress for title change)
- BIOL 2360 *Genetics* (4 credits)
- BIOL 2610 *General Ecology* (3 credits)

**II REQUIRED MEDICAL SCIENCES CORE COURSES**

COMPLETE THE FOLLOWING COURSES:

- BIOL 3250 *Human Anatomy* (4 credits)
- BIOL 3260 *Human Physiology* (4 credits)
- BIOL 3580 *Immunology* (3 credits)
- BIOL 3710 *Microbiology* (4 credits)

**III CAPSTONE PROJECT**

The Biology capstone project, completed in the senior year, provides a culminating experience that integrates the knowledge and skills learned in previous courses and applies them to a scholarly activity. Examples of capstone projects may include original research projects, internships with state or federal agencies, or shadowing experiences with professionals, or successfully passing professional/graduate school entrance exams.

The capstone project must be designed or chosen by the student in consultation with a faculty mentor or advisor, who must approve the project before work begins. Students should consult with their faculty mentor or advisor before their senior year commences. All capstone projects will include a written and oral component (except for professional/graduate school entrance exams).

The capstone project may be completed in one of the following ways (0-4 credits):

1. Students using a professional or graduate entrance exam as their capstone project must register for this course. Students must place in at least the
60th percentile on their exam to successfully complete this course.

- **BIOL 4800 Advanced Project Certification** (0 credit)

21. Complete BIOL 4894 OR BIOL 4895 (2 credits):

   - BIOL 4894 **Advanced Research Project I** (2 credits)
   - BIOL 4895 **Advanced Research Project II** (2 credits)

32. Complete BIOL 4894 AND BIOL 4895 (2 credits each):

   - BIOL 4894 **Advanced Research Project I** (2 credits)
   - BIOL 4895 **Advanced Research Project II** (2 credits)

43. Complete BIOL 4449 (4 credits):

   - BIOL 4449 **Gene Expression** (4 credits)

**IV REQUIRED MEDICAL SCIENCES ELECTIVES**

SELECT 16 CREDITS OF ELECTIVES FROM THE FOLLOWING:

- BIOL 3300 **Introduction to Hematology** (4 credits)
- BIOL 3337 **Science Communication** (3 credits)
- BIOL 3338 **Science Communication Lab** (1 credit)
- BIOL 3339 **Bioethics** (3 credits)
- BIOL 3380 **Molecular Genetics** (3 credits)
- BIOL 3580 **Immunology** (3 credits)
- BIOL 3590 **Cell Biology** (3 credits)
- BIOL 4210 **Parasitology** (4 credits)
- BIOL 4270 **Histology** (4 credits)
- BIOL 4360 **Developmental and Tumor Biology** (3 credits)
- BIOL 4447 **Genomics** (3 credits)
- BIOL 4448 **Genomics Lab** (2 credits)
- BIOL 4460 **Stem Cells and Regenerative Medicine** (3 credits)
- BIOL 4470 **Introduction to Vaccinology** (4 credits)
- CHEM 4411 **Biochemistry I** (3 credits)
- CHEM 4471 **Biochemistry Laboratory I** (1 credit)

**V REQUIRED COURSES IN RELATED FIELDS**

A. SELECT 1 OF THE FOLLOWING GROUPS:

**GROUP 1:**

   - CHEM 2211 **Principles of Chemistry I** (4 credits)
• CHEM 2212 Principles of Chemistry II (4 credits)

GROUP 2:

• CHEM 1111 General Chemistry I (4 credits)
• CHEM 1112 General Chemistry II (4 credits)

B. SELECT 1 OF THE FOLLOWING COURSES:

• MATH 2471 Calculus I (5 credits)
• STAT 2610 Applied Statistics (4 credits)
• PSY 3401 Basic Statistics for Research (4 credits)

C. SELECT 1 OF THE FOLLOWING GROUPS Complete 2 courses from the following:

• PHYS 1101 General Physics I (4 credits)
or PHYS 2101 Physics I (5 credits) (Note: This course is in progress to change to 4 credits)
• PHYS 1102 General Physics II (4 credits)
or PHYS 2102 Physics II (5 credits) (Note: This course is in progress to change to 4 credits)

GROUP 1:

• PHYS 2101 Physics I (5 credits)
• PHYS 2102 Physics II (5 credits)

GROUP 2:

• PHYS 1101 General Physics I (4 credits)
• PHYS 1102 General Physics II (4 credits)

D. COMPLETE THE FOLLOWING 4 COURSES Complete the following courses:

• CHEM 3311 Organic Chemistry I (3 credits)
• CHEM 3312 Organic Chemistry II (3 credits)
• CHEM 3371 Organic Chemistry Laboratory I (1 credit)
• CHEM 3372 Organic Chemistry Laboratory II (1 credit)

• CHEM 3311 Organic Chemistry I (3 credits)
• CHEM 3371 Organic Chemistry Laboratory I (1 credit)
• CHEM 3312 Organic Chemistry II (3 credits)
• CHEM 3372 Organic Chemistry Laboratory II (1 credit)
Revised Medical Sciences emphasis (clean)

**Biology, B.S. major**
Medical Sciences Emphasis (Optional)

Required Credits: 73  
Required GPA: 2.25

**I REQUIRED BIOLOGY CORE COURSES**

COMPLETE THE FOLLOWING COURSES:

- BIOL 1211 *Introductory Biology I* (4 credits)
- BIOL 1212 *Introductory Biology II* (4 credits)
- BIOL 2360 *Genetics* (4 credits)
- BIOL 2610 *General Ecology* (3 credits)

**II REQUIRED MEDICAL SCIENCES CORE COURSES**

COMPLETE THE FOLLOWING COURSES:

- BIOL 3250 *Human Anatomy* (4 credits)
- BIOL 3260 *Human Physiology* (4 credits)
- BIOL 3710 *Microbiology* (4 credits)

**III CAPSTONE PROJECT**

The Biology capstone project, completed in the senior year, provides a culminating experience that integrates the knowledge and skills learned in previous courses and applies them to a scholarly activity. Examples of capstone projects may include original research projects, internships with state or federal agencies or shadowing experiences with professionals.

The capstone project must be designed or chosen by the student in consultation with a faculty mentor or advisor, who must approve the project before work begins. Students should consult with their faculty mentor or advisor before their senior year commences. All capstone projects will include a written and oral component.

The capstone project may be completed in one of the following ways (2-4 credits):

1. Complete BIOL 4894 OR BIOL 4895 (2 credits):
   - BIOL 4894 *Advanced Research Project I* (2 credits)
   - BIOL 4895 *Advanced Research Project II* (2 credits)
2. Complete BIOL 4894 AND BIOL 4895 (2 credits each):
   - BIOL 4894 Advanced Research Project I (2 credits)
   - BIOL 4895 Advanced Research Project II (2 credits)

3. Complete BIOL 4449 (4 credits):
   - BIOL 4449 Gene Expression (4 credits)

IV REQUIRED MEDICAL SCIENCES ELECTIVES

SELECT 16 CREDITS OF ELECTIVES FROM THE FOLLOWING:

- BIOL 3300 Introduction to Hematology (4 credits)
- BIOL 3337 Science Communication (3 credits)
- BIOL 3338 Science Communication Lab (1 credit)
- BIOL 3339 Bioethics (3 credits)
- BIOL 3380 Molecular Genetics (3 credits)
- BIOL 3580 Immunology (3 credits)
- BIOL 3590 Cell Biology (3 credits)
- BIOL 4210 Parasitology (4 credits)
- BIOL 4270 Histology (4 credits)
- BIOL 4360 Developmental and Tumor Biology (3 credits)
- BIOL 4447 Genomics (3 credits)
- BIOL 4460 Stem Cells and Regenerative Medicine (3 credits)
- CHEM 4411 Biochemistry I (3 credits)
- CHEM 4471 Biochemistry Laboratory I (1 credit)
- CHEM 4471 Introduction to Vaccinology (4 credits)
- STAT 2610 Applied Statistics (4 credits)

V REQUIRED COURSES IN RELATED FIELDS

A. SELECT 1 OF THE FOLLOWING GROUPS:

GROUP 1:

- CHEM 2211 Principles of Chemistry I (4 credits)
- CHEM 2212 Principles of Chemistry II (4 credits)

GROUP 2:

- CHEM 1111 General Chemistry I (4 credits)
- CHEM 1112 General Chemistry II (4 credits)

B. Select 1 of the following courses:

- MATH 2471 Calculus I (5 credits)
- STAT 2610 Applied Statistics (4 credits)
• PSY 3401 Basic Statistics for Research (4 credits)

C. Complete 2 courses from the following:

• PHYS 1101 General Physics I (4 credits)
  or PHYS 2101 Physics I (5 credits)
• PHYS 1102 General Physics II (4 credits)
  or PHYS 2102 Physics II (5 credits)

D. Complete the following 4 courses:

• CHEM 3311 Organic Chemistry I (3 credits)
• CHEM 3371 Organic Chemistry Laboratory I (1 credit)

• CHEM 3312 Organic Chemistry II (3 credits)
• CHEM 3372 Organic Chemistry Laboratory II (1 credit)

SUGGESTED SEMESTER SCHEDULE FOR BIOLOGY MAJOR, B.S. Medical Science Emphasis

The following is a list of required Biology Major, B.S. Medical Science Emphasis courses arranged by year. This schedule is intended to assist students in planning their courses in an orderly fashion. There is some flexibility in this schedule, but graduation within four years will require close adherence to the specified sequence of courses. Always consult your Biology academic advisor as to the proper courses and sequence of courses needed for graduation.

Freshman
• BIOL 1211 Introductory Biology I (4 credits)
• BIOL 1212 Introductory Biology II (4 credits)
• CHEM 1111 General Chemistry I (4 credits)
  or CHEM 2211 Principles of Chemistry I (4 credits)
• CHEM 1112 General Chemistry II (4 credits)
  or CHEM 2212 Principles of Chemistry II (4 credits)
• Liberal Education requirements
• Math prerequisite, if needed
• Consult with your Biology academic advisor

Sophomore
• BIOL 2360 Genetics (4 credits)
• BIOL 2610 General Ecology (3 credits)
• 8 credits of the following:
  • CHEM 3311 Organic Chemistry I (3 credits)
  • CHEM 3312 Organic Chemistry II (3 credits)
  • CHEM 3371 Organic Chemistry Laboratory I (1 credit)
  • CHEM 3372 Organic Chemistry Laboratory II (1 credit)
  • PHYS 1101 General Physics I (4 credits)
- or PHYS 2101 Physics I (5 credits)
- PHYS 1102 General Physics II (4 credits)
  - or PHYS 2102 Physics II (5 credits)
- MATH 2471 Calculus (5 credits), STAT 2610 Applied Statistics (4 credits), or PSY 3402 Basic Stats for Research (4 credits)
- Liberal Education requirements
- Consult with your Biology academic advisor

Junior
- Biology degree requirements
- Liberal Education requirements
- BIOL 3250 Human Anatomy (4 credits)
- BIOL 3260 Human Physiology (4 credits)
- BIOL 3710 Microbiology (4 credits)
- Consult with your Biology academic advisor

Senior
- Capstone project
- Complete Biology degree requirements
- Complete Liberal Education requirements
- Consult with your Biology academic advisor
BSU Curriculum Forms

Form 7
(Updated: 9.15.15)

Program Drop Form

Program to be dropped: Biology, B.S. major Cellular and Molecular Emphasis

Reason(s) for dropping it: The creation of the Biochemistry, Cellular and Molecular Biology, B.S. major eliminates the need for this program.

Note: Please notify the chair/coordinator of other departments/programs with courses in this dropped program and indicate the following:

CHEM 4411 Biochemistry I (3 credits)
CHEM 4471 Biochemistry Laboratory I (1 credit)
CHEM 3311 Organic Chemistry I (3 credits)
CHEM 3312 Organic Chemistry II (3 credits)
CHEM 3371 Organic Chemistry Laboratory I (1 credit)
CHEM 3372 Organic Chemistry Laboratory II (1 credit)
CHEM 2211 Principles of Chemistry I (4 credits)
CHEM 2212 Principles of Chemistry II (4 credits)
CHEM 1111 General Chemistry I (4 credits)
CHEM 1112 General Chemistry II (4 credits)

The course’s home department/program was notified of the dropping of their course(s) on 11.20.19 (date) by email (mail, email, or phone).

From: Owens, Kjerstin M <Kjerstin.Owens@bemidjistate.edu>
Sent: Wednesday, November 20, 2019 2:06 PM
To: Gullickson, Robin S <Robin.Gullickson@bemidjistate.edu>
Subject: FW: Courses for Biology Cellular and Molecular Emphasis

FYI

From: Marek, Keith A <KMarek@bemidjistate.edu>
Sent: Wednesday, November 20, 2019 2:06 PM
To: Owens, Kjerstin M <Kjerstin.Owens@bemidjistate.edu>
Subject: RE: Courses for Biology Cellular and Molecular Emphasis

Kjerstin,

We have no problem with this, as all the courses (and more) from our program are now in the BCMB major.

KAM
From: Owens, Kjerstin M <Kjerstin.Owens@bemidjistate.edu>  
Sent: Wednesday, November 20, 2019 1:51 PM  
To: Wolf, Marty J <Marty.Wolf@bemidjistate.edu>; Marek, Keith A <KMarek@bemidji state.edu>; Truedson, John R <John.Truedson@bemidjistate.edu>  
Cc: Gullickson, Robin S <Robin.Gullickson@bemidjistate.edu>  
Subject: Courses for Biology Cellular and Molecular Emphasis

Good afternoon-

A couple of years ago, the Biology and Chemistry departments formed a new major, Biochemistry, Cellular and Molecular Biology (BCMB). Because of this major, we no longer need the Cellular and Molecular Emphasis associated with the Biology BS degree and are in the process of dropping it. I am contacting you because this emphasis has at least one course from your department. These courses are written into the BCMB major. Do you foresee any problems with dropping the emphasis from the Biology degree?

- CHEM 2211 Principles of Chemistry I (4 credits)
- CHEM 2212 Principles of Chemistry II (4 credits)
- CHEM 1111 General Chemistry I (4 credits)
- CHEM 1112 General Chemistry II (4 credits)
- CHEM 3311 Organic Chemistry I (3 credits)
- CHEM 3312 Organic Chemistry II (3 credits)
- CHEM 3371 Organic Chemistry Laboratory I (1 credit)
- CHEM 3372 Organic Chemistry Laboratory II (1 credit)
- STAT 2610 Applied Statistics (4 credits)
- PHYS 2101 Physics I (5 credits)
- PHYS 2102 Physics II (5 credits)
- PHYS 1101 General Physics I (4 credits)
- PHYS 1102 General Physics II (4 credits)

Thank you!

Kjerstin Owens  
Associate Professor of Biology  
Phone: (218) 775-2916  
Email: Kjerstin.Owens@bemidjistate.edu  
Office: Sattgast 218J

STAT 2610 Applied Statistics (4 credits)  
The course’s home department/program was notified of the dropping of their course(s) on 11.20.19 ________ (date) by ______ email ________ (mail, email, or phone).

-----Original Message-----
From: Owens, Kjerstin M <Kjerstin.Owens@bemidjistate.edu>
Sent: Thursday, November 21, 2019 10:14 AM
To: Gullickson, Robin S <Robin.Gullickson@bemidjistate.edu>
Subject: FW: Courses for Biology Cellular and Molecular Emphasis

FYI

-----Original Message-----
From: Marty J. Wolf <mjwolf@cs.bemidjistate.edu>
Sent: Thursday, November 21, 2019 10:12 AM
To: Owens, Kjerstin M <Kjerstin.Owens@bemidjistate.edu>
Subject: Re: Courses for Biology Cellular and Molecular Emphasis

Kjerstin,

No worries from our department.

Regards,

MJ

From: Owens, Kjerstin M <Kjerstin.Owens@bemidjistate.edu>
Sent: Wednesday, November 20, 2019 1:50 PM
To: Wolf, Marty J <Marty.Wolf@bemidjistate.edu>; Marek, Keith A <KMarek@bemidjistate.edu>; Truedson, John R <John.Truedson@bemidjistate.edu>
Cc: Gullickson, Robin S <Robin.Gullickson@bemidjistate.edu>
Subject: Courses for Biology Cellular and Molecular Emphasis

Good afternoon-

A couple of years ago, the Biology and Chemistry departments formed a new major, Biochemistry, Cellular and Molecular Biology (BCMB). Because of this major, we no longer need the Cellular and Molecular Emphasis associated with the Biology BS degree and are in the process of dropping it. I am contacting you because this emphasis has at least one course from your department. These courses are written into the BCMB major. Do you foresee any problems with dropping the emphasis from the Biology degree?

- CHEM 2211 Principles of Chemistry I (4 credits)
- CHEM 2212 Principles of Chemistry II (4 credits)
- CHEM 1111 General Chemistry I (4 credits)
- CHEM 1112 General Chemistry II (4 credits)
- CHEM 3311 Organic Chemistry I (3 credits)
- CHEM 3312 Organic Chemistry II (3 credits)
- CHEM 3371 Organic Chemistry Laboratory I (1 credit)
- CHEM 3372 Organic Chemistry Laboratory II (1 credit)
- STAT 2610 Applied Statistics (4 credits)
- PHYS 2101 Physics I (5 credits)
- PHYS 2102 Physics II (5 credits)
- PHYS 1101 General Physics I (4 credits)
- PHYS 1102 General Physics II (4 credits)

Thank you!
PSY 3401 Basic Statistics for Research (4 credits)
The course’s home department/program was notified of the dropping of their course(s) on 11.20.19 (date) by ___email_________ (mail, email, or phone).

From: Owens, Kjerstin M <Kjerstin.Owens@bemidjistate.edu>
Sent: Wednesday, November 20, 2019 1:54 PM
To: Gonzalez, John <John.Gonzalez@bemidjistate.edu>
Cc: Gullickson, Robin S <Robin.Gullickson@bemidjistate.edu>
Subject: Biology Cellular and Molecular Emphasis

Good afternoon-

A couple of years ago, the Biology and Chemistry departments formed a new major, Biochemistry, Cellular and Molecular Biology (BCMB). Because of this major, we no longer need the Cellular and Molecular Emphasis associated with the Biology BS degree and are in the process of dropping it. I am contacting you because this emphasis had PSY 3401 Basic Statistics for Research listed as one of its options. This course is not listed in the new BCMB major. Do you foresee any problems with dropping the emphasis from the Biology degree?

Kjerstin Owens
Associate Professor of Biology
Phone: (218) 775-2916
Email: Kjerstin.Owens@bemidjistate.edu
Office: Sattgast 218J

PHYS 2101 Physics I (5 credits)
PHYS 2102 Physics II (5 credits)
PHYS 1101 General Physics I (4 credits)
PHYS 1102 General Physics II (4 credits)

The course’s home department/program was notified of the dropping of their course(s) on 11.20.19 (date) by ___email_________ (mail, email, or phone).

From: Owens, Kjerstin M <Kjerstin.Owens@bemidjistate.edu>
Sent: Wednesday, November 20, 2019 2:44 PM
To: Gullickson, Robin S <Robin.Gullickson@bemidjistate.edu>
Subject: FW: Courses for Biology Cellular and Molecular Emphasis

FYI
A couple of years ago, the Biology and Chemistry departments formed a new major, Biochemistry, Cellular and Molecular Biology (BCMB). Because of this major, we no longer need the Cellular and Molecular Emphasis associated with the Biology BS degree and are in the process of dropping it. I am contacting you because this emphasis has at least one course from your department. These courses are written into the BCMB major. Do you foresee any problems with dropping the emphasis from the Biology degree?

- CHEM 2211 *Principles of Chemistry I* (4 credits)
- CHEM 2212 *Principles of Chemistry II* (4 credits)
- CHEM 1111 *General Chemistry I* (4 credits)
- CHEM 1112 *General Chemistry II* (4 credits)
- CHEM 3311 *Organic Chemistry I* (3 credits)
- CHEM 3312 *Organic Chemistry II* (3 credits)
- CHEM 3371 *Organic Chemistry Laboratory I* (1 credit)
- CHEM 3372 *Organic Chemistry Laboratory II* (1 credit)
- STAT 2610 *Applied Statistics* (4 credits)
- PHYS 2101 *Physics I* (5 credits)
- PHYS 2102 *Physics II* (5 credits)
- PHYS 1101 *General Physics I* (4 credits)
- PHYS 1102 *General Physics II* (4 credits)

Thank you!

**Kjerstin Owens**  
Associate Professor of Biology  
Phone: (218) 775-2916  
Email: Kjerstin.Owens@bemidjistate.edu  
Office: Sattgast 218J

**Alert:**  
- Contact the Assistant Vice-President for Academic Affairs regarding notification downstate.
BSU Curriculum Forms

Form 8
Updated: 09.18.15

Signatures

Andrew Arsham / Assistant Professor / 5/9/2019
Proposer / Title / Date

Michael Hamman (for MW) / Biology / 5/15/2019
Chair or Director / Department or Program / Date
Note: "All departmental recommendations [on curriculum] must be reviewed and approved by the department's faculty."--IFO/MnSCU Master Agreement 2009-2011, 20.A.3 (p. 80).

At this point, packet goes to Records Office/Curriculum Coordinator to be logged in to the Curriculum Proposal Progress Grid.

Bonnie Higgins / Business, Mathematics and Sciences / 6-3-19
Dean / College / Date

Note: If proposal is sent back to the Proposer, please notify the Curriculum Coordinator. If approved, packet goes to Academic Affairs Office.
From: Yoder, Marilyn D <marilyn.yoder@bemidjistate.edu>
Sent: Wednesday, November 20, 2019 12:34 PM
To: BSU-Catalog <catalog@bemidjistate.edu>; Bedford, Allen J <allen.bedford@bemidjistate.edu>
Cc: Wallert, Mark A <Mark.Wallert@bemidjistate.edu>; Russell, Sharon M <Sharon.Russell@bemidjistate.edu>
Subject: RE: 2.BIOL_19-20 Curriculum Packet question (re: emphasis drop)

Hello Robin,

I have communicated with Mark Wallert. His explanation is that

The new major is BCMB – Biochemistry, Cellular and Molecular Biology. ... The Biology Faculty involved in this program look at this new major as functionally replacing the Biology B.S. with Cellular and Molecular emphasis. The great majority of students in that Biology major completed the emphasis and a Chemistry Minor. The BCMB Major is a better package for that. Finally, a student can still take the new Biology B.S. and complete all the courses in the Cellular and Molecular Emphasis. The Biology Faculty don’t think we need the emphasis in that case.

I agree with him, and I approve you “insert an emphasis drop form for the Biology, B.S. major Cellular and Molecular Emphasis into the Biology, B.S. major packet as requested”.

Regards,
Marilyn

___________________________
Marilyn Yoder, Ph.D. | phone: 218-755-2723 | 318 Sattgast Hall
Dean, College of Business, Mathematics, and Sciences

From: BSU-Catalog <catalog@bemidjistate.edu>
Sent: Wednesday, November 20, 2019 9:04 AM
To: Yoder, Marilyn D <marilyn.yoder@bemidjistate.edu>; Bedford, Allen J <allen.bedford@bemidjistate.edu>
Subject: 2.BIOL_19-20 Curriculum Packet question (re: emphasis drop)

Good morning Marilyn and Allen,

I am working to finalize two curriculum packets to move forward to the curriculum committees. The two packets are a revision to the Biology, B.S. major and a revision to the Biology, B.S. major Medical Sciences Emphasis that were received at the beginning of July.

While finalizing the packets I realized I overlooked this email. Back in June (when I received the email below) I overlooked reaching out to Bonnie and Randy. Therefore, I am reaching out to both of you verify it is ok to insert an emphasis drop form for the Biology, B.S. major Cellular and Molecular Emphasis into the Biology, B.S. major packet as requested.

Per the information below they are dropping as it’s been functionally replaced by the Biochemistry, Cellular and Molecular Biology, B.S. Cellular and Molecular Emphasis.
Please let me know if you have questions re: this request or need additional information.

Regards,

Robin

From: Arsham, Andy M <Andy.Arsham@bemidjistate.edu>  
Sent: Thursday, June 06, 2019 9:35 AM  
To: BSU-Catalog <catalog@bemidjistate.edu>; Hamann, Michael J <Michael.Hamann@bemidjistate.edu>; Wallert, Mark A <Mark.Wallert@bemidjistate.edu>  
Subject: Fwd: Biology Curriculum Proposal (BA Biology, BS Med Science emphasis, and Add Lib ED)

Mike, Mark:

I've asked Robin if we can include the cell and molecular program drop paperwork that we forgot to submit in our current curriculum revision packet and she's checking with Bonnie. Just making sure to keep you in the loop. Let me and Robin know if you have any objections to this.  
Thanks!  
Andy

From: BSU-Catalog  
Sent: Thursday, June 6, 2019 4:26:25 AM  
To: Arsham, Andy M  
Subject: RE: Biology Curriculum Proposal (BA Biology, BS Med Science emphasis, and Add Lib ED)

Good morning Andy,  
Thank you for the documents; Let me check with Bonnie to see if she still has the printed version of the curriculum packets and I will print the missing pieces so they can be added.  

Is Mark aware of the addition to the packet?  

Thank you –

Robin

Robin Gullickson  
Assistant Registrar | Curriculum Coordinator  
Bemidji State University | 1500 Birchmont Drive NE #12  
Bemidji, MN 56601 | 218-755-4248  
robin.gullickson@bemidjistate.edu
I'm sorry Robin, I read this email in a hurry and neglected to attach the word docs. see attached.

also, there was a miscommunication and one of the modifications got left out, we want to drop the Biology BS Cell and Molecular Emphasis since it's been functionally replaced by the Biochemistry BS. is it too late to get that included?

many thanks, sorry for the misunderstandings,

Andy
I have logged the curriculum proposals you submitted and they will now be delivered to the dean’s office today for her review. You will find them on the curriculum proposal progress chart as proposals 2, 3 & 4 for 19-20.

Please email me the word version of each proposal when you are able so I have when I begin my review. Thanks Andy -

Robin

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