

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 1

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one PDF copy without signatures to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Medicine

Dept/Division: Biomedical Research

Contact Person: Todd Green

Phone: x6-3531

Action Requested

Check action requested: ☒ Addition ☐ Deletion ☐ Change

Degree Program M.S.

Area of Emphasis Cardiovascular Disease




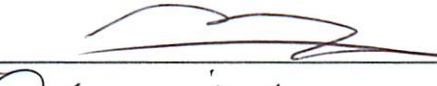
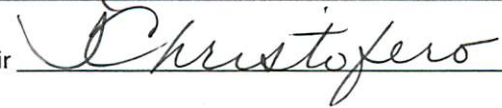
Effective Term/Year Fall 20 ☐ Spring 20 ☐ Summer 20 ☐ 18

Notifications

Attach a copy of written notification regarding this curriculum request to the following:

1. Statement of Non-Duplication: If this area of emphasis will be similar in title or content to an existing area of emphasis, please send a memo to the affected department/division and include a copy with this packet as well as the response received from the affected department.
2. If your department/division requires additional faculty, equipment, or specialized materials, attach an estimate of cost and time required to secure these items.

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head 	Date <u>1/26/18</u>
Registrar  269977	Date <u>1/30/18</u>
College Curriculum Chair 	Date <u>1/26/18</u>
College Dean 	Date <u>1/29/18</u>
Graduate Council Chair 	Date <u>3-6-18</u>
Provost/VP Academic Affairs _____	Date _____
President _____	Date _____

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 2

1. Please provide a rationale for addition, deletion, change:

The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

2. Please describe any changes in curriculum:

Course number, title, credit hours. Note whether each course is required or optional. Enter NONE if no change.

ATTACHED

3. **Additional Resource Requirements:** If your program requires additional faculty, equipment or specialized materials to ADD or CHANGE this Area of Emphasis attach an estimate of the time and money required to secure these items. May attach separate page if needed

NOTE: approval of this form does not imply approval for additional resources. Enter NOT APPLICABLE if not applicable.

NOT APPLICABLE

4. **NON-DUPLICATION:**

If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the request and any response received from them.

Enter NONE if not applicable.

NONE

For catalog changes as a result of the above action, please fill in the following pages.

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 3

5. **Current Catalog Description**

Insert the *Current Catalog Description* and page number from the latest catalog for entries you would like to change.
(May attach separate page if needed)

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6. **Edits to the Current Description**

Attach a PDF copy of the current catalog description prepared in MS Word with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

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Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 4

Please insert in the text box below your Area of Emphasis change information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Area of Emphasis Title:

Credit Hours:

Type of Change Requested: *(addition, deletion, change)*

Term to Take Effect: *(Fall, Spring, Summer/Year)*

Rationale:

Department: Biomedical Research

Area of Emphasis Title: Cardiovascular Disease, M.S.

Credit Hours: 36

Type of Change Requested: Addition

Term to Take Effect: Summer 2018

Rationale: The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

CARDIOVASCULAR DISEASE MS CURRICULUM

Required Courses

BMR 601	Introduction to Nucleic Acids and Proteins	3 CR
BMR 602	Introduction to Cell Structure and Metabolism	3 CR
BMR 603	Regulation of Cell Function	2 CR
BMR 604	Cellular Basis of Disease	1 CR
BMR 617	Statistical Techniques for the Biomedical Sciences	3 CR
BMR 644	Responsible Conduct of Research	1 CR
BMR 660	Communication Skills for Biomedical Sciences I	1 CR
BMR 661	Communication Skills for Biomedical Sciences II	1 CR
BMR 680	Seminar (minimum 4 credits required)	1 CR
BMR 785	Introduction to Research	3 CR
BMR 882	Research	Maximum 15 CR
BMS 681	Thesis	3-6 CR
BMS 665	CODRC Colloquium	1 CR
PHS 666	Physiology of the Cell	3 CR
PHS 667	Experimental Approaches to Physiology	4 CR

CURRENT CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cancer Biology

Cardiovascular Disease, Obesity, and Diabetes

Infectious and Immunological Diseases

Medical Sciences (M.S. only)

Neuroscience and Developmental Biology

Toxicology and Environmental Health Sciences

Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL SCIENCES, M.S. (Medical Sciences Area of Emphasis)

CURRENT CATALOG DESCRIPTION WITH EDITS

Page 217

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BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

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BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL SCIENCES RESEARCH, M.S. (Medical Sciences Area of Emphasis)

NEW CATALOG DESCRIPTION

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Areas of Emphasis

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Obesity and Related Diseases

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Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 1

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College: MedicineDept/Division: Biomedical ResearchContact Person: Todd GreenPhone: x6-3531

Action Requested

Check action requested: ☒ Addition ☐ Deletion ☐ ChangeDegree Program M.S.Area of Emphasis Cell BiologyEffective Term/Year Fall 20 ☐ Spring 20 ☐ Summer 20 ☐ 18

Notifications

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Dept. Chair/Division Head <u>[Signature]</u>	Date <u>1/26/18</u>
Registrar <u>[Signature]</u> 269449	Date <u>1/27/18</u>
College Curriculum Chair <u>[Signature]</u>	Date <u>1/29/18</u>
College Dean <u>[Signature]</u>	Date <u>1/29/18</u>
Graduate Council Chair <u>[Signature]</u>	Date <u>3-6-18</u>
Provost/VP Academic Affairs _____	Date _____
President _____	Date _____

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 2

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The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

2. Please describe any changes in curriculum:

Course number, title, credit hours. Note whether each course is required or optional. Enter NONE if no change.

ATTACHED

3. **Additional Resource Requirements:** If your program requires additional faculty, equipment or specialized materials to ADD or CHANGE this Area of Emphasis attach an estimate of the time and money required to secure these items. May attach separate page if needed

NOTE: approval of this form does not imply approval for additional resources. Enter NOT APPLICABLE if not applicable.

NONE

4. **NON-DUPLICATION:**

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Enter NONE if not applicable.

NONE

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Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 3

5. **Current Catalog Description**

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Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 4

Please insert in the text box below your Area of Emphasis change information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Area of Emphasis Title:

Credit Hours:

Type of Change Requested: *(addition, deletion, change)*

Term to Take Effect: *(Fall, Spring, Summer/Year)*

Rationale:

Department: Biomedical Research

Area of Emphasis Title: Cell Biology, M.S.

Credit Hours: 36

Type of Change Requested: Addition

Term to Take Effect: Summer 2018

Rationale: The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

CELL BIOLOGY MS CURRICULUM

Required Courses

BMR 601	Introduction to Nucleic Acids and Proteins	3 CR
BMR 602	Introduction to Cell Structure and Metabolism	3 CR
BMR 603	Regulation of Cell Function	2 CR
BMR 604	Cellular Basis of Disease	1 CR
BMR 617	Statistical Techniques for the Biomedical Sciences	3 CR
BMR 644	Responsible Conduct of Research	1 CR
BMR 660	Communication Skills for Biomedical Sciences I	1 CR
BMR 661	Communication Skills for Biomedical Sciences II	1 CR
BMR 680	Seminar (minimum 4 credits required)	1 CR
BMR 785	Introduction to Research	3 CR
BMR 882	Research	Maximum 15 CR
BMS 681	Thesis	3-6 CR

Students are required to take 5 additional hours from the following

BMS 651	Cancer Biology	4 CR
BMS 652	Cancer Biology Colloquium	1 CR
BMS 665	CODRC Colloquium	1 CR
PHS 666	Physiology of the Cell	3 CR
PHS 667	Experimental Approaches to Physiology	4 CR

CURRENT CATALOG DESCRIPTION

Page 217

School of Medicine

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Infectious and Immunological Diseases

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Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL SCIENCES, M.S. (Medical Sciences Area of Emphasis)

CURRENT CATALOG DESCRIPTION WITH EDITS

Page 217

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BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

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BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL SCIENCES RESEARCH, M.S. (Medical Sciences Area of Emphasis)

NEW CATALOG DESCRIPTION

Page 217

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Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 1

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College: Medicine

Dept/Division: Biomedical Research

Contact Person: Todd Green

Phone: 6-3531

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Check action requested: ☒ Addition ☐ Deletion ☐ Change

Degree Program M.S.

Area of Emphasis Medical Sciences

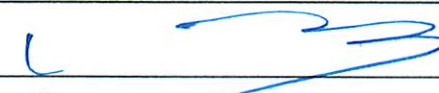
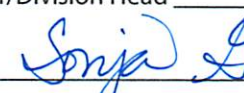
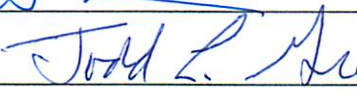

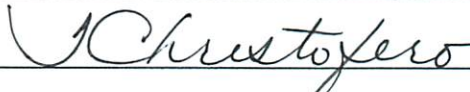
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Dept. Chair/Division Head		Date	1/26/18
Registrar	 269999	Date	1/31/18
College Curriculum Chair		Date	1/29/18
College Dean		Date	1/29/18
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Provost/VP Academic Affairs		Date	
President		Date	

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 2

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3. **Additional Resource Requirements:** If your program requires additional faculty, equipment or specialized materials to ADD or CHANGE this Area of Emphasis attach an estimate of the time and money required to secure these items. May attach separate page if needed

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Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 4

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Department:

Area of Emphasis Title:

Credit Hours:

Type of Change Requested: *(addition, deletion, change)*

Term to Take Effect: *(Fall, Spring, Summer/Year)*

Rationale:

Department: Biomedical Research

Area of Emphasis Title: Medical Sciences, M.S.

Credit Hours: 40

Type of Change Requested: Addition

Term to Take Effect: Summer 2018

Rationale: The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to be added.

MEDICAL SCIENCES CURRICULUM

Year 1

Fall

BMR 601	Introduction to Nucleic Acids and Proteins	3 CR
BMR 602	Introduction to Cell Structure and Metabolism	3 CR
BMR 680	Seminar	1 CR
PHS 628	Neurophysiology	2 CR

Spring

BMR 603	Regulation of Cell Function	2 CR
BMR 604	Cellular Basis of Disease	1 CR
BMR 680	Seminar	1 CR
PHS 629	Physiology	6 CR

Year 2

Fall

BMR 680	Seminar	1 CR
MCB 631	Medical Microbiology I	3 CR
PMC 621	Pharmacology I	6 CR

Spring

BMR 680	Seminar	1 CR
BMR 785	Introduction to Research	3 CR
BSC 517	Biostatistics	3 CR
MCB 632	Medical Microbiology II	2 CR
PMC 622	Pharmacology II	2 CR

40 CR

BMR 601-604, BMR 680, BMR 785, BSC 517, MCB 631-632, PHS 628 REQUIRED

CURRENT CATALOG DESCRIPTION

Page 217

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BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

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Infectious and Immunological Diseases

Medical Sciences (M.S. only)

Neuroscience and Developmental Biology

Toxicology and Environmental Health Sciences

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BIOMEDICAL SCIENCES, M.S. (Medical Sciences Area of Emphasis)

CURRENT CATALOG DESCRIPTION WITH EDITS

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Phone: x6-3531

Action Requested

Check action requested: ☒ Addition ☐ Deletion ☐ Change

Degree Program M.S.

Area of Emphasis Neurobiology and Addiction

Effective Term/Year Fall 20 ☐ Spring 20 ☐ Summer 20 ☐ 18

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Registrar <u>Sonya L G</u> <u>269999</u>	Date <u>1/30/18</u>
College Curriculum Chair <u>Todd L. Green</u>	Date <u>1/29/18</u>
College Dean _____	Date <u>1/29/18</u>
Graduate Council Chair <u>Christofero</u>	Date <u>3-6-18</u>
Provost/VP Academic Affairs _____	Date _____
President _____	Date _____

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 2

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Department:

Area of Emphasis Title:

Credit Hours:

Type of Change Requested: *(addition, deletion, change)*

Term to Take Effect: *(Fall, Spring, Summer/Year)*

Rationale:

Department: Biomedical Research

Area of Emphasis Title: Neurobiology and Addiction, M.S.

Credit Hours: 36

Type of Change Requested: Addition

Term to Take Effect: Summer 2018

Rationale: The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

NEUROBIOLOGY AND ADDICTION MS CURRICULUM

Required Courses

BMR 601	Introduction to Nucleic Acids and Proteins	3 CR
BMR 602	Introduction to Cell Structure and Metabolism	3 CR
BMR 603	Regulation of Cell Function	2 CR
BMR 604	Cellular Basis of Disease	1 CR
BMR 617	Statistical Techniques for the Biomedical Sciences	3 CR
BMR 644	Responsible Conduct of Research	1 CR
BMR 660	Communication Skills for Biomedical Sciences I	1 CR
BMR 661	Communication Skills for Biomedical Sciences II	1 CR
BMR 680	Seminar (minimum 4 credits required)	1 CR
BMR 785	Introduction to Research	3 CR
BMR 882	Research	Maximum 15 CR
BMS 628	Neuroscience I	3 CR
BMS 629	Neuroscience II	3 CR
BMS 631	Neuroscience and Developmental Biology Literature	1 CR
	Review	
BMS 681	Thesis	3-6 CR

CURRENT CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cancer Biology

Cardiovascular Disease, Obesity, and Diabetes

Infectious and Immunological Diseases

Medical Sciences (M.S. only)

Neuroscience and Developmental Biology

Toxicology and Environmental Health Sciences

Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL SCIENCES, M.S. (Medical Sciences Area of Emphasis)

CURRENT CATALOG DESCRIPTION WITH EDITS

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cancer Biology

—— **Cardiovascular Disease, Obesity, and Diabetes**

—— **Infectious and Immunological Diseases**

—— **Medical Sciences (M.S. only)**

—— **Neuroscience and Developmental Biology**

—— **Toxicology and Environmental Health Sciences**

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL SCIENCES RESEARCH, M.S. (Medical Sciences Area of Emphasis)

NEW CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL RESEARCH, M.S. (Medical Sciences Area of Emphasis)

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 1

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one PDF copy without signatures to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Medicine

Dept/Division: Biomedical Research

Contact Person: Todd Green

Phone: x6-3531

Action Requested

Check action requested: ☒ Addition ☐ Deletion ☐ Change

Degree Program M.S.

Area of Emphasis Obesity and Related Diseases

Effective Term/Year Fall 20 ☐ Spring 20 ☐ Summer 20 ☒ 18

Notifications

Attach a copy of written notification regarding this curriculum request to the following:

1. Statement of Non-Duplication: If this area of emphasis will be similar in title or content to an existing area of emphasis, please send a memo to the affected department/division and include a copy with this packet as well as the response received from the affected department.
2. If your department/division requires additional faculty, equipment, or specialized materials, attach an estimate of cost and time required to secure these items.

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head _____	Date <u>1/26/18</u>
Registrar <u>Sonyia G</u> <u>269777</u>	Date <u>1/30/18</u>
College Curriculum Chair <u>Todd L. Green</u>	Date <u>1/29/18</u>
College Dean _____	Date <u>1/29/18</u>
Graduate Council Chair <u>Christofero</u>	Date <u>3-6-18</u>
Provost/VP Academic Affairs _____	Date _____
President _____	Date _____

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 2

1. Please provide a rationale for addition, deletion, change:

The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

2. Please describe any changes in curriculum:

Course number, title, credit hours. Note whether each course is required or optional. Enter NONE if no change.

ATTACHED

3. **Additional Resource Requirements:** If your program requires additional faculty, equipment or specialized materials to ADD or CHANGE this Area of Emphasis attach an estimate of the time and money required to secure these items. May attach separate page if needed

NOTE: approval of this form does not imply approval for additional resources. Enter NOT APPLICABLE if not applicable.

NONE

4. **NON-DUPLICATION:**

If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the request and any response received from them.

Enter NONE if not applicable.

NONE

For catalog changes as a result of the above action, please fill in the following pages.

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 3

5. **Current Catalog Description**

Insert the *Current* Catalog Description and page number from the latest catalog for entries you would like to change.
(May attach separate page if needed)

ATTACHED

6. **Edits to the Current Description**

Attach a PDF copy of the current catalog description prepared in MS Word with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

7. **New Catalog Description**

Insert a 'clean' copy of your proposed description, i.e., no strikethroughs or highlighting included. This should be what you are proposing for the new description. (May attach separate page if needed)

ATTACHED

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 4

Please insert in the text box below your Area of Emphasis change information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Area of Emphasis Title:

Credit Hours:

Type of Change Requested: *(addition, deletion, change)*

Term to Take Effect: *(Fall, Spring, Summer/Year)*

Rationale:

Department: Biomedical Research

Area of Emphasis Title: Obesity and Related Diseases, M.S.

Credit Hours: 36

Type of Change Requested: Addition

Term to Take Effect: Summer 2018

Rationale: The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

OBESITY AND RELATED DISEASES MS CURRICULUM

Required Courses

BMR 601	Introduction to Nucleic Acids and Proteins	3 CR
BMR 602	Introduction to Cell Structure and Metabolism	3 CR
BMR 603	Regulation of Cell Function	2 CR
BMR 604	Cellular Basis of Disease	1 CR
BMR 617	Statistical Techniques for the Biomedical Sciences	3 CR
BMR 644	Responsible Conduct of Research	1 CR
BMR 660	Communication Skills for Biomedical Sciences I	1 CR
BMR 661	Communication Skills for Biomedical Sciences II	1 CR
BMR 680	Seminar (minimum 4 credits required)	1 CR
BMR 785	Introduction to Research	3 CR
BMR 882	Research	Maximum 15 CR
BMR 6xx	Obesity Colloquium (new course)	1 CR
BMS 681	Thesis	3-6 CR
PHS 667	Experimental Approaches to Physiology	4 CR

CURRENT CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cancer Biology

Cardiovascular Disease, Obesity, and Diabetes

Infectious and Immunological Diseases

Medical Sciences (M.S. only)

Neuroscience and Developmental Biology

Toxicology and Environmental Health Sciences

Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL SCIENCES, M.S. (Medical Sciences Area of Emphasis)

CURRENT CATALOG DESCRIPTION WITH EDITS

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

~~BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.~~

~~Areas of Emphasis~~

~~Cancer Biology~~

~~—— Cardiovascular Disease, Obesity, and Diabetes~~

~~—— Infectious and Immunological Diseases~~

~~—— Medical Sciences (M.S. only)~~

~~—— Neuroscience and Developmental Biology~~

~~—— Toxicology and Environmental Health Sciences~~

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

~~BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)~~

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL SCIENCES RESEARCH, M.S. (Medical Sciences Area of Emphasis)

NEW CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL RESEARCH, M.S. (Medical Sciences Area of Emphasis)

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 1

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one PDF copy without signatures to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Medicine

Dept/Division: Biomedical Research

Contact Person: Todd Green

Phone: 6-3531

Action Requested

Check action requested: ☒ Addition ☐ Deletion ☐ Change

Degree Program MS

Area of Emphasis Toxicology and Environmental Health

Effective Term/Year Fall 20 ☐ Spring 20 ☐ Summer 20 ☐ 18

Notifications

Attach a copy of written notification regarding this curriculum request to the following:

1. Statement of Non-Duplication: If this area of emphasis will be similar in title or content to an existing area of emphasis, please send a memo to the affected department/division and include a copy with this packet as well as the response received from the affected department.
2. If your department/division requires additional faculty, equipment, or specialized materials, attach an estimate of cost and time required to secure these items.

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head _____	Date <u>1/26/18</u>
Registrar <u>Sonya A. Ca</u> _____ 261299	Date <u>1/30/18</u>
College Curriculum Chair <u>Todd L. Green</u> _____	Date <u>1/29/18</u>
College Dean _____	Date <u>1/29/18</u>
Graduate Council Chair <u>Christofero</u> _____	Date <u>3-6-18</u>
Provost/VP Academic Affairs _____	Date _____
President _____	Date _____

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 2

1. Please provide a rationale for addition, deletion, change:

The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added.

2. Please describe any changes in curriculum:

Course number, title, credit hours. Note whether each course is required or optional. Enter NONE if no change.

ATTACHED

3. **Additional Resource Requirements:** If your program requires additional faculty, equipment or specialized materials to ADD or CHANGE this Area of Emphasis attach an estimate of the time and money required to secure these items. May attach separate page if needed

NOTE: approval of this form does not imply approval for additional resources. Enter NOT APPLICABLE if not applicable.

NOT APPLICABLE

4. **NON-DUPLICATION:**

If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the request and any response received from them.

Enter NONE if not applicable.

NONE

For catalog changes as a result of the above action, please fill in the following pages.

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 3

5. **Current Catalog Description**

Insert the *Current* Catalog Description and page number from the latest catalog for entries you would like to change.
(May attach separate page if needed)

ATTACHED

6. **Edits to the Current Description**

Attach a PDF copy of the current catalog description prepared in MS Word with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

7. **New Catalog Description**

Insert a 'clean' copy of your proposed description, i.e., no strikethroughs or highlighting included. This should be what you are proposing for the new description. (May attach separate page if needed)

ATTACHED

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 4

Please insert in the text box below your Area of Emphasis change information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Area of Emphasis Title:

Credit Hours:

Type of Change Requested: *(addition, deletion, change)*

Term to Take Effect: *(Fall, Spring, Summer/Year)*

Rationale:

Department: Biomedical Research

Area of Emphasis Title: Toxicology and Environmental Health, M.S.

Credit Hours: 36

Type of Change Requested: Addition

Term to Take Effect: Summer 2018

Rationale: The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added.

TOXICOLOGY AND ENVIRONMENTAL HEALTH MS CURRICULUM

Required Courses

BMR 601	Introduction to Nucleic Acids and Proteins	3 CR
BMR 602	Introduction to Cell Structure and Metabolism	3 CR
BMR 603	Regulation of Cell Function	2 CR
BMR 604	Cellular Basis of Disease	1 CR
BMR 617	Statistical Techniques for the Biomedical Sciences	3 CR
BMR 644	Responsible Conduct of Research	1 CR
BMR 660	Communication Skills for Biomedical Sciences I	1 CR
BMR 661	Communication Skills for Biomedical Sciences II	1 CR
BMR 680	Seminar (minimum 4 credits required)	1 CR
BMR 785	Introduction to Research	3 CR
BMR 882	Research	Maximum 15 CR
BMS 681	Thesis	3-6 CR
PMC 650	Toxicology	3 CR
PMC 655	Toxicology Reviews	3 X 1 CR

CURRENT CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cancer Biology

Cardiovascular Disease, Obesity, and Diabetes

Infectious and Immunological Diseases

Medical Sciences (M.S. only)

Neuroscience and Developmental Biology

Toxicology and Environmental Health Sciences

Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL SCIENCES, M.S. (Medical Sciences Area of Emphasis)

CURRENT CATALOG DESCRIPTION WITH EDITS

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

~~BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.~~

~~Areas of Emphasis~~

~~Cancer Biology~~

~~— Cardiovascular Disease, Obesity, and Diabetes~~

~~— Infectious and Immunological Diseases~~

~~— Medical Sciences (M.S. only)~~

~~— Neuroscience and Developmental Biology~~

~~— Toxicology and Environmental Health Sciences~~

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

~~BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease; Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)~~

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL SCIENCES RESEARCH, M.S. (Medical Sciences Area of Emphasis)

NEW CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL RESEARCH, M.S. (Medical Sciences Area of Emphasis)

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 1

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one PDF copy without signatures to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Medicine

Dept/Division: Biomedical Research

Contact Person: Todd Green

Phone: x6-3531

Action Requested

Check action requested: ☒ Addition ☐ Deletion ☐ Change

Degree Program Ph.D.



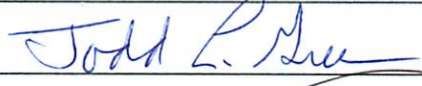

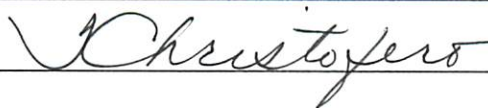
Area of Emphasis Cardiovascular Disease ~~Ph.D.~~Effective Term/Year Fall 20 ☐ Spring 20 ☐ Summer 20 ☐ 18

Notifications

Attach a copy of written notification regarding this curriculum request to the following:

1. Statement of Non-Duplication: If this area of emphasis will be similar in title or content to an existing area of emphasis, please send a memo to the affected department/division and include a copy with this packet as well as the response received from the affected department.
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Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head 	Date <u>1/26/18</u>
Registrar  249999	Date <u>1/20/18</u>
College Curriculum Chair 	Date <u>1/29/18</u>
College Dean 	Date <u>1/29/18</u>
Graduate Council Chair 	Date <u>3-6-18</u>
Provost/VP Academic Affairs _____	Date _____
President _____	Date _____

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 2

1. Please provide a rationale for addition, deletion, change:

The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

2. Please describe any changes in curriculum:

Course number, title, credit hours. Note whether each course is required or optional. Enter NONE if no change.

ATTACHED

3. **Additional Resource Requirements:** If your program requires additional faculty, equipment or specialized materials to ADD or CHANGE this Area of Emphasis attach an estimate of the time and money required to secure these items. May attach separate page if needed

NOTE: approval of this form does not imply approval for additional resources. Enter NOT APPLICABLE if not applicable.

NOT APPLICABLE

4. **NON-DUPLICATION:**

If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the request and any response received from them.

Enter NONE if not applicable.

NONE

For catalog changes as a result of the above action, please fill in the following pages.

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 3

5. **Current Catalog Description**

Insert the *Current Catalog Description* and page number from the latest catalog for entries you would like to change.
(May attach separate page if needed)

ATTACHED

6. **Edits to the Current Description**

Attach a PDF copy of the current catalog description prepared in MS Word with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

7. **New Catalog Description**

Insert a 'clean' copy of your proposed description, i.e., no strikethroughs or highlighting included. This should be what you are proposing for the new description. (May attach separate page if needed)

ATTACHED

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 4

Please insert in the text box below your Area of Emphasis change information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Area of Emphasis Title:

Credit Hours:

Type of Change Requested: *(addition, deletion, change)*

Term to Take Effect: *(Fall, Spring, Summer/Year)*

Rationale:

Department: Biomedical Research

Area of Emphasis Title: Cardiovascular Disease, Ph.D.

Credit Hours:

Type of Change Requested: Addition

Term to Take Effect: Summer 2018

Rationale: The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

CARDOVASCULAR DISEASE PHD CURRICULUM

Required Courses

BMR 601	Introduction to Nucleic Acids and Proteins	3 CR
BMR 602	Introduction to Cell Structure and Metabolism	3 CR
BMR 603	Regulation of Cell Function	2 CR
BMR 604	Cellular Basis of Disease	1 CR
BMR 617	Statistical Techniques for the Biomedical Sciences	3 CR
BMR 644	Responsible Conduct of Research	1 CR
BMR 660	Communication Skills for Biomedical Sciences I	1 CR
BMR 661	Communication Skills for Biomedical Sciences II	1 CR
BMR 680	Seminar (minimum 6 credits required)	1 CR
BMR 785	Introduction to Research	3 CR
BMR 882	Research	Maximum 15 CR
BMS 665	CODRC Colloquium	1 CR
PHS 666	Physiology of the Cell	3 CR
PHS 667	Experimental Approaches to Physiology	4 CR

CURRENT CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cancer Biology

Cardiovascular Disease, Obesity, and Diabetes

Infectious and Immunological Diseases

Medical Sciences (M.S. only)

Neuroscience and Developmental Biology

Toxicology and Environmental Health Sciences

Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL SCIENCES, M.S. (Medical Sciences Area of Emphasis)

CURRENT CATALOG DESCRIPTION WITH EDITS

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

~~BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.~~

~~Areas of Emphasis~~

~~Cancer Biology~~

~~—— Cardiovascular Disease, Obesity, and Diabetes~~

~~—— Infectious and Immunological Diseases~~

~~—— Medical Sciences (M.S. only)~~

~~—— Neuroscience and Developmental Biology~~

~~—— Toxicology and Environmental Health Sciences~~

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

~~BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)~~

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL SCIENCES RESEARCH, M.S. (Medical Sciences Area of Emphasis)

NEW CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL RESEARCH, M.S. (Medical Sciences Area of Emphasis)

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 1

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
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3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Medicine

Dept/Division: Biomedical Research

Contact Person: Todd Green

Phone: x6-3531

Action Requested

Check action requested: ☒ Addition ☐ Deletion ☐ Change

Degree Program Ph.D.

Area of Emphasis Cell Biology



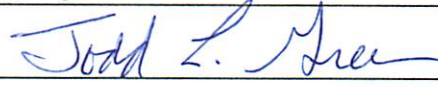

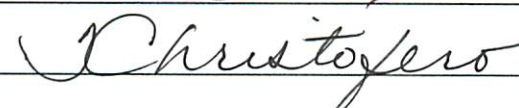
Effective Term/Year Fall 20 ☐ Spring 20 ☐ Summer 20 ☐ 18

Notifications

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1. Statement of Non-Duplication: If this area of emphasis will be similar in title or content to an existing area of emphasis, please send a memo to the affected department/division and include a copy with this packet as well as the response received from the affected department.
2. If your department/division requires additional faculty, equipment, or specialized materials, attach an estimate of cost and time required to secure these items.

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head 	Date <u>1/26/18</u>
Registrar  269779	Date <u>1/30/18</u>
College Curriculum Chair 	Date <u>1/29/18</u>
College Dean 	Date <u>1/29/18</u>
Graduate Council Chair 	Date <u>3-6-18</u>
Provost/VP Academic Affairs _____	Date _____
President _____	Date _____

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 2

1. Please provide a rationale for addition, deletion, change:

The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

2. Please describe any changes in curriculum:

Course number, title, credit hours. Note whether each course is required or optional. Enter NONE if no change.

ATTACHED

3. **Additional Resource Requirements:** If your program requires additional faculty, equipment or specialized materials to ADD or CHANGE this Area of Emphasis attach an estimate of the time and money required to secure these items. May attach separate page if needed

NOTE: approval of this form does not imply approval for additional resources. Enter NOT APPLICABLE if not applicable.

NONE

4. **NON-DUPLICATION:**

If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the request and any response received from them.

Enter NONE if not applicable.

NONE

For catalog changes as a result of the above action, please fill in the following pages.

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 3

5. **Current Catalog Description**

Insert the *Current* Catalog Description and page number from the latest catalog for entries you would like to change.
(May attach separate page if needed)

ATTACHED

6. **Edits to the Current Description**

Attach a PDF copy of the current catalog description prepared in MS Word with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

7. **New Catalog Description**

Insert a 'clean' copy of your proposed description, i.e., no strikethroughs or highlighting included. This should be what you are proposing for the new description. (May attach separate page if needed)

ATTACHED

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 4

Please insert in the text box below your Area of Emphasis change information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Area of Emphasis Title:

Credit Hours:

Type of Change Requested: *(addition, deletion, change)*

Term to Take Effect: *(Fall, Spring, Summer/Year)*

Rationale:

Department: Biomedical Research

Area of Emphasis Title: Cell Biology, Ph.D.

Credit Hours:

Type of Change Requested: Addition

Term to Take Effect: Summer 2018

Rationale: The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

CELL BIOLOGY PHD CURRICULUM

Required Courses

BMR 601	Introduction to Nucleic Acids and Proteins	3 CR
BMR 602	Introduction to Cell Structure and Metabolism	3 CR
BMR 603	Regulation of Cell Function	2 CR
BMR 604	Cellular Basis of Disease	1 CR
BMR 617	Statistical Techniques for the Biomedical Sciences	3 CR
BMR 644	Responsible Conduct of Research	1 CR
BMR 660	Communication Skills for Biomedical Sciences I	1 CR
BMR 661	Communication Skills for Biomedical Sciences II	1 CR
BMR 680	Seminar (minimum 6 credits required)	1 CR
BMR 785	Introduction to Research	3 CR
BMR 882	Research	Maximum 15 CR

Students are required to take 5 additional hours from the following

BMS 651	Cancer Biology	4 CR
BMS 652	Cancer Biology Colloquium	1 CR
BMS 665	CODRC Colloquium	1 CR
PHS 666	Physiology of the Cell	3 CR
PHS 667	Experimental Approaches to Physiology	4 CR

CURRENT CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cancer Biology

Cardiovascular Disease, Obesity, and Diabetes

Infectious and Immunological Diseases

Medical Sciences (M.S. only)

Neuroscience and Developmental Biology

Toxicology and Environmental Health Sciences

Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL SCIENCES, M.S. (Medical Sciences Area of Emphasis)

CURRENT CATALOG DESCRIPTION WITH EDITS

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cancer Biology

—— **Cardiovascular Disease, Obesity, and Diabetes**

—— **Infectious and Immunological Diseases**

—— **Medical Sciences (M.S. only)**

—— **Neuroscience and Developmental Biology**

—— **Toxicology and Environmental Health Sciences**

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL SCIENCES RESEARCH, M.S. (Medical Sciences Area of Emphasis)

NEW CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL RESEARCH, M.S. (Medical Sciences Area of Emphasis)

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 1

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one PDF copy without signatures to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Medicine

Dept/Division: Biomedical Research

Contact Person: Todd Green

Phone: x6-3531

Action Requested

Check action requested: ☒ Addition ☐ Deletion ☐ Change

Degree Program Ph.D.

Area of Emphasis Neurobiology and Addiction

Effective Term/Year Fall 20 ☐ Spring 20 ☐ Summer 20 ☐ 18

Notifications

Attach a copy of written notification regarding this curriculum request to the following:

1. Statement of Non-Duplication: If this area of emphasis will be similar in title or content to an existing area of emphasis, please send a memo to the affected department/division and include a copy with this packet as well as the response received from the affected department.
2. If your department/division requires additional faculty, equipment, or specialized materials, attach an estimate of cost and time required to secure these items.

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head _____	Date <u>1/26/18</u>
Registrar <u>Samp G C</u> <u>249999</u>	Date <u>1/30/18</u>
College Curriculum Chair <u>Todd L. Green</u>	Date <u>1/29/18</u>
College Dean _____	Date <u>1/29/18</u>
Graduate Council Chair <u>J Christofero</u>	Date <u>3-6-18</u>
Provost/VP Academic Affairs _____	Date _____
President _____	Date _____

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 2

1. Please provide a rationale for addition, deletion, change:

The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

2. Please describe any changes in curriculum:

Course number, title, credit hours. Note whether each course is required or optional. Enter NONE if no change.

ATTACHED

3. **Additional Resource Requirements:** If your program requires additional faculty, equipment or specialized materials to ADD or CHANGE this Area of Emphasis attach an estimate of the time and money required to secure these items. May attach separate page if needed

NOTE: approval of this form does not imply approval for additional resources. Enter NOT APPLICABLE if not applicable.

NONE

4. **NON-DUPLICATION:**

If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the request and any response received from them.

Enter NONE if not applicable.

NONE

For catalog changes as a result of the above action, please fill in the following pages.

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 3

5. **Current Catalog Description**

Insert the *Current Catalog Description* and page number from the latest catalog for entries you would like to change.
(May attach separate page if needed)

ATTACHED

6. **Edits to the Current Description**

Attach a PDF copy of the current catalog description prepared in MS Word with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

7. **New Catalog Description**

Insert a 'clean' copy of your proposed description, i.e., no strikethroughs or highlighting included. This should be what you are proposing for the new description. (May attach separate page if needed)

ATTACHED

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 4

Please insert in the text box below your Area of Emphasis change information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Area of Emphasis Title:

Credit Hours:

Type of Change Requested: *(addition, deletion, change)*

Term to Take Effect: *(Fall, Spring, Summer/Year)*

Rationale:

Department: Biomedical Research

Area of Emphasis Title: Neurobiology and Addiction, Ph.D.

Credit Hours:

Type of Change Requested: Addition

Term to Take Effect: Summer 2018

Rationale: The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

NEUROBIOLOGY AND ADDICTION PHD CURRICULUM

Required Courses

BMR 601	Introduction to Nucleic Acids and Proteins	3 CR
BMR 602	Introduction to Cell Structure and Metabolism	3 CR
BMR 603	Regulation of Cell Function	2 CR
BMR 604	Cellular Basis of Disease	1 CR
BMR 617	Statistical Techniques for the Biomedical Sciences	3 CR
BMR 644	Responsible Conduct of Research	1 CR
BMR 660	Communication Skills for Biomedical Sciences I	1 CR
BMR 661	Communication Skills for Biomedical Sciences II	1 CR
BMR 680	Seminar (minimum 6 credits required)	1 CR
BMR 785	Introduction to Research	3 CR
BMR 882	Research	Maximum 15 CR
BMS 628	Neuroscience I	3 CR
BMS 629	Neuroscience II	3 CR
BMS 631	Neuroscience and Developmental Biology Literature Review	1 CR

CURRENT CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cancer Biology

Cardiovascular Disease, Obesity, and Diabetes

Infectious and Immunological Diseases

Medical Sciences (M.S. only)

Neuroscience and Developmental Biology

Toxicology and Environmental Health Sciences

Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL SCIENCES, M.S. (Medical Sciences Area of Emphasis)

CURRENT CATALOG DESCRIPTION WITH EDITS

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cancer Biology

—— **Cardiovascular Disease, Obesity, and Diabetes**

—— **Infectious and Immunological Diseases**

—— **Medical Sciences (M.S. only)**

—— **Neuroscience and Developmental Biology**

—— **Toxicology and Environmental Health Sciences**

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL SCIENCES RESEARCH, M.S. (Medical Sciences Area of Emphasis)

NEW CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL RESEARCH, M.S. (Medical Sciences Area of Emphasis)

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 1

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one PDF copy without signatures to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Medicine

Dept/Division: Biomedical Research

Contact Person: Todd Green

Phone: x6-3531

Action Requested

Check action requested: ☒ Addition ☐ Deletion ☐ Change

Degree Program Ph.D.

Area of Emphasis Obesity and Related Diseases

Effective Term/Year Fall 20 ☐ Spring 20 ☐ Summer 20 ☐ 18

Notifications

Attach a copy of written notification regarding this curriculum request to the following:

1. Statement of Non-Duplication: If this area of emphasis will be similar in title or content to an existing area of emphasis, please send a memo to the affected department/division and include a copy with this packet as well as the response received from the affected department.
2. If your department/division requires additional faculty, equipment, or specialized materials, attach an estimate of cost and time required to secure these items.

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head _____	Date <u>1/26/18</u>
Registrar <u>Sonyia G</u> _____ 267777	Date <u>1/30/18</u>
College Curriculum Chair <u>Todd Z. Green</u> _____	Date <u>1/29/18</u>
College Dean _____	Date <u>1/29/18</u>
Graduate Council Chair <u>Christofero</u> _____	Date <u>3-6-18</u>
Provost/VP Academic Affairs _____	Date _____
President _____	Date _____

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 2

1. Please provide a rationale for addition, deletion, change:

The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

2. Please describe any changes in curriculum:

Course number, title, credit hours. Note whether each course is required or optional. Enter NONE if no change.

ATTACHED

3. **Additional Resource Requirements:** If your program requires additional faculty, equipment or specialized materials to ADD or CHANGE this Area of Emphasis attach an estimate of the time and money required to secure these items. May attach separate page if needed

NOTE: approval of this form does not imply approval for additional resources. Enter NOT APPLICABLE if not applicable.

NONE

4. **NON-DUPLICATION:**

If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the request and any response received from them.

Enter NONE if not applicable.

NONE

For catalog changes as a result of the above action, please fill in the following pages.

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 3

5. **Current Catalog Description**

Insert the *Current* Catalog Description and page number from the latest catalog for entries you would like to change.
(May attach separate page if needed)

ATTACHED

6. **Edits to the Current Description**

Attach a PDF copy of the current catalog description prepared in MS Word with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

7. **New Catalog Description**

Insert a 'clean' copy of your proposed description, i.e., no strikethroughs or highlighting included. This should be what you are proposing for the new description. (May attach separate page if needed)

ATTACHED

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 4

Please insert in the text box below your Area of Emphasis change information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Area of Emphasis Title:

Credit Hours:

Type of Change Requested: *(addition, deletion, change)*

Term to Take Effect: *(Fall, Spring, Summer/Year)*

Rationale:

Department: Biomedical Research

Area of Emphasis Title: Obesity and Related Diseases, Ph.D.

Credit Hours:

Type of Change Requested: Addition

Term to Take Effect: Summer 2018

Rationale: The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added. And this new area of emphasis better represents the research interests of the BMR faculty.

OBESITY AND RELATED DISEASES PHD CURRICULUM

Required Courses

BMR 601	Introduction to Nucleic Acids and Proteins	3 CR
BMR 602	Introduction to Cell Structure and Metabolism	3 CR
BMR 603	Regulation of Cell Function	2 CR
BMR 604	Cellular Basis of Disease	1 CR
BMR 617	Statistical Techniques for the Biomedical Sciences	3 CR
BMR 644	Responsible Conduct of Research	1 CR
BMR 660	Communication Skills for Biomedical Sciences I	1 CR
BMR 661	Communication Skills for Biomedical Sciences II	1 CR
BMR 680	Seminar (minimum 6 credits required)	1 CR
BMR 785	Introduction to Research	3 CR
BMR 882	Research	Maximum 15 CR
BMR 6xx	Obesity Colloquium (new course)	1 CR
PHS 667	Experimental Approaches to Physiology	4 CR

CURRENT CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cancer Biology

Cardiovascular Disease, Obesity, and Diabetes

Infectious and Immunological Diseases

Medical Sciences (M.S. only)

Neuroscience and Developmental Biology

Toxicology and Environmental Health Sciences

Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL SCIENCES, M.S. (Medical Sciences Area of Emphasis)

CURRENT CATALOG DESCRIPTION WITH EDITS

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

~~BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.~~

~~Areas of Emphasis~~

~~Cancer Biology~~

~~— Cardiovascular Disease, Obesity, and Diabetes~~

~~— Infectious and Immunological Diseases~~

~~— Medical Sciences (M.S. only)~~

~~— Neuroscience and Developmental Biology~~

~~— Toxicology and Environmental Health Sciences~~

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

~~BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)~~

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL SCIENCES RESEARCH, M.S. (Medical Sciences Area of Emphasis)

NEW CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL RESEARCH, M.S. (Medical Sciences Area of Emphasis)

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 1

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one PDF copy without signatures to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Medicine

Dept/Division: Biomedical Research

Contact Person: Todd Green

Phone: 6-3531

Action Requested

Check action requested: ☒ Addition ☐ Deletion ☐ Change

Degree Program Ph.D.

Area of Emphasis Toxicology and Environmental Health

Effective Term/Year Fall 20 ☐ Spring 20 ☐ Summer 20 ☐ 18

Notifications

Attach a copy of written notification regarding this curriculum request to the following:

1. Statement of Non-Duplication: If this area of emphasis will be similar in title or content to an existing area of emphasis, please send a memo to the affected department/division and include a copy with this packet as well as the response received from the affected department.
2. If your department/division requires additional faculty, equipment, or specialized materials, attach an estimate of cost and time required to secure these items.

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head _____	Date <u>1/26/18</u>
Registrar <u>Sonya L. Can</u> 269999	Date <u>1/30/18</u>
College Curriculum Chair <u>Todd L. Green</u>	Date <u>1/29/18</u>
College Dean _____	Date <u>1/29/18</u>
Graduate Council Chair <u>Tracy Christofero</u>	Date <u>3-6-18</u>
Provost/VP Academic Affairs _____	Date _____
President _____	Date _____

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 2

1. Please provide a rationale for addition, deletion, change:

The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added.

2. Please describe any changes in curriculum:

Course number, title, credit hours. Note whether each course is required or optional. Enter NONE if no change.

ATTACHED

3. **Additional Resource Requirements:** If your program requires additional faculty, equipment or specialized materials to ADD or CHANGE this Area of Emphasis attach an estimate of the time and money required to secure these items. May attach separate page if needed

NOTE: approval of this form does not imply approval for additional resources. Enter NOT APPLICABLE if not applicable.

NOT APPLICABLE

4. **NON-DUPLICATION:**

If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the request and any response received from them.

Enter NONE if not applicable.

NONE

For catalog changes as a result of the above action, please fill in the following pages.

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 3

5. **Current Catalog Description**

Insert the *Current* Catalog Description and page number from the latest catalog for entries you would like to change.
(May attach separate page if needed)

ATTACHED

6. **Edits to the Current Description**

Attach a PDF copy of the current catalog description prepared in MS Word with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

7. **New Catalog Description**

Insert a 'clean' copy of your proposed description, i.e., no strikethroughs or highlighting included. This should be what you are proposing for the new description. (May attach separate page if needed)

ATTACHED

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 4

Please insert in the text box below your Area of Emphasis change information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Area of Emphasis Title:

Credit Hours:

Type of Change Requested: *(addition, deletion, change)*

Term to Take Effect: *(Fall, Spring, Summer/Year)*

Rationale:

Department: Biomedical Research

Area of Emphasis Title: Toxicology and Environmental Health, Ph.D.

Credit Hours:

Type of Change Requested: Addition

Term to Take Effect: Summer 2018

Rationale: The name of the graduate program was changed from Biomedical Sciences (BMS) to Biomedical Research (BMR). This meant the previous areas of emphasis were deleted, and thus new ones have to added.

TOXICOLOGY AND ENVIRONMENTAL HEALTH PHD CURRICULUM

Required Courses

BMR 601	Introduction to Nucleic Acids and Proteins	3 CR
BMR 602	Introduction to Cell Structure and Metabolism	3 CR
BMR 603	Regulation of Cell Function	2 CR
BMR 604	Cellular Basis of Disease	1 CR
BMR 617	Statistical Techniques for the Biomedical Sciences	3 CR
BMR 644	Responsible Conduct of Research	1 CR
BMR 660	Communication Skills for Biomedical Sciences I	1 CR
BMR 661	Communication Skills for Biomedical Sciences II	1 CR
BMR 680	Seminar (minimum 6 credits required)	1 CR
BMR 785	Introduction to Research	3 CR
BMR 882	Research	Maximum 15 CR
PMC 650	Toxicology	3 CR
PMC 655	Toxicology Reviews	3 X 1 CR

CURRENT CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cancer Biology

Cardiovascular Disease, Obesity, and Diabetes

Infectious and Immunological Diseases

Medical Sciences (M.S. only)

Neuroscience and Developmental Biology

Toxicology and Environmental Health Sciences

Page 218

BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)

BIOMEDICAL SCIENCES, M.S. (Medical Sciences Area of Emphasis)

CURRENT CATALOG DESCRIPTION WITH EDITS

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

~~BIOMEDICAL SCIENCES, M.S., Ph.D., M.D./Ph.D.~~

~~Areas of Emphasis~~

~~Cancer Biology~~

~~—— Cardiovascular Disease, Obesity, and Diabetes~~

~~—— Infectious and Immunological Diseases~~

~~—— Medical Sciences (M.S. only)~~

~~—— Neuroscience and Developmental Biology~~

~~—— Toxicology and Environmental Health Sciences~~

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

~~BIOMEDICAL SCIENCES, M.S. (Cancer Biology; Cardiovascular Disease, Obesity, and Diabetes; Infectious and Immunological Diseases; Neuroscience and Developmental Biology; Toxicology and Environmental Health Sciences Areas of Emphasis)~~

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL SCIENCES RESEARCH, M.S. (Medical Sciences Area of Emphasis)

NEW CATALOG DESCRIPTION

Page 217

School of Medicine

Dr. Joseph Shapiro, Dean

<http://musom.marshall.edu>

BIOMEDICAL RESEARCH, M.S., Ph.D., M.D./Ph.D.

Areas of Emphasis

Cardiovascular Disease

Cell Biology

Medical Sciences (M.S. only)

Neurobiology and Addiction

Obesity and Related Diseases

Toxicology and Environmental Health

Page 218

BIOMEDICAL RESEARCH, M.S. (Cardiovascular Disease; Cell Biology; Neurobiology and Addiction; Obesity and Related Diseases; Toxicology and Environmental Health)

BIOMEDICAL RESEARCH, M.S. (Medical Sciences Area of Emphasis)

ACCELERATED MASTER'S DEGREE (AMD)
Program Proposal

Chair: Tracy Christofero

GC#10: AMD

Prepare **one** paper copy with all signatures and forward to the Graduate Council Chair. Additionally, send **one** identical ELECTRONIC COPY with all supporting documentation as an e-mail attachment by to the Graduate Council Chair for electronic distribution to the Graduate Council Curriculum Committee.

Guidelines for an AMD Proposal

Accelerated Master's Degree Programs may be developed between an undergraduate and graduate program in a single department, between two programs in a single school/college or between programs in two different schools/colleges. AMD programs enrich the opportunities of the best undergraduates at Marshall University, enabling them to earn a Bachelor's and Master's degree in much less time than it would take following the traditional path. **AMD students do not double count credits. They can take up to 12 graduate credits to be applied to the master's degree in place of 12 undergraduate elective credits. They will earn the undergraduate degree with up to 12 fewer credit hours, depending on how many graduate hours they take.**

Rationale: The proposal should identify the rationale or need for an AMD, and, if the undergraduate and graduate programs are in different departments, clarify how they are appropriate for the AMD.

Rationale: An Accelerated Master's Degree with the BS in Health Sciences will allow Health Sciences students to take a full semester load of MPH courses in their final year and thereby save both the time and the money in getting a BS/MPH. There are several students who told Dr. Pacioles, the Director of the BS program, that they were interested in joining an accelerated MPH program. This would also be of benefit for recruitment for the MPH program.

Admission Requirements: The proposal should state whether admission requirements for the AMD differ from regular admission requirements (e.g. waive test scores).

Admission Requirements: The BS in Health Sciences student would be able to apply for the MPH program in their Junior year, but would not be fully admitted into the MPH program until after their graduation from the BS in Health Sciences. The GRE requirement would be waived for admission into the program. All other admission requirements into the MPH would remain unchanged.

AMD Credits: The proposal may allow an undergraduate student to earn a maximum of 12 credits in approved graduate courses to be applied to the master's degree. **These 12 credits take the place of 12 undergraduate electives.** Please note the maximum allowed credits.

AMD Credits: 12

Curriculum: The proposal should show how a student can complete the Bachelor's degree **by lowering the number of undergraduate credits (up to 12) with up to 12 graduate credits that will apply to the master's degree.**

Curriculum: 12 credit hours of undergraduate electives taken in the Senior year of the BS in Health Sciences will be replaced with 12 credit from the first year of the MPH program. Specifically, the MPH courses for the senior year of the BS will include:

Fall Semester of Senior Year of BS in Health Sciences:
PH 601 Introduction to Public Health (1 credit hour)/ PH 602 Public Health Biology (2 credit hours)/ PH 611 Epidemiology (3 credit hours)

Spring
PH 641 Social and Behavioral aspects of Public Health (2 credit hours)/ PH 631 Environmental Health (2 credit hours)
PH 642 Health Communication (2 credit hours) or PH 622 Statistical Methods (2 credit hours)

Student Eligibility: AMD applicants must have a minimum over-all grade point average of 3.30 and 3.30 in the major. Programs may require a higher GPA. Please note your required GPA.

Student Eligibility: 3.30

Accelerated Master's Degree Proposal-Page 2

Please insert in the text box below your summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

AMD Proposal

Department:

Allowable credits:

Student eligibility requirements:

AMD Proposal

Department: Public Health (MPH program)

Allowable Credits: 12

Student eligibility requirements: Students need to have completed the first 2.5 years of the BS in Health Sciences in good standing with a minimum over-all grade point average of 3.30 and 3.30 in Health Sciences courses. Students can apply to the MPH program after the Fall Semester of their Junior year, but will not be admitted into the program until the semester following their undergraduate graduation.

→ FIRST SEMESTER

Approvals

Signatures

Liz Pascual

Undergraduate Advisor

Paul Kant

Graduate Studies Director

Wagner

Dean, Undergraduate College

Christopher

Graduate Council Chair

L. Pascual 1/29/18

[Signature] 3-10-17
Date

[Signature] 3-10-17
Date

[Signature] 3-10-17
Date

[Signature] 3-6-18
Date

Dr. Wiant replaced Dr. Kadetz
as MPH director

Current MPH Program

Year One

Fall

PH 601 Introduction to Public Health

PH 602 Public Health Biology

PH 611 Epidemiology

PH 621 Statistical Methods I

PH 671 Community Health (GCH)

PH 615 Health Systems Research (REP)

Total for semester..... 12 hrs.

Spring

PH 641 Social Behavior Aspects of Public Health

PH 631 Environmental Health

PH 686 Health Informatics and Technology

PH 693 Public Health Law and Ethics

PH 616 Health Communications (GCH)

PH 622 Statistical Methods II (REP)

Total for semester..... 12 hrs.

Year Two

Fall:

PH 655 Introduction to Health Policy

PH 661 Chronic Disease (GCH)

PH 672 Global Health (GCH)

PH 616 Clinical Trials (REP)

PH 617 Methods in Applied Computer Study I

PH 694 Practicum or PH 695 Research

Total for semester..... 11 hrs.

Spring

PH 692 Seminar

PH 651 Public Health Services

PH 656 Topics in Health Policy (REP)

PH 662 Control of Infectious Disease (GCH)

PH 696 Capstone

Total for semester..... 9 hrs.

Total Hours Required for Graduation..... 44 hrs.

AMD Proposal with Changes highlighted (note there are no changes in actual MPH courses required. The only changes are to the timing of when these courses would be taken. The changes would allow students to complete both the BS in Health Sciences and the MPH within 5 years. Note: students either take courses in the Global and Community Health concentration or the Research, Evaluation and Policy Concentration.

12 credit hours of undergraduate electives taken in the Senior year of the BS in Health Sciences will be replaced with 12 credit from the first year of the MPH program. Specifically, the MPH courses for the senior year of the BS in Health Sciences will include:

Fall of Year 4 Health Sciences

PH 601 Introduction to Public Health (1 credit hour)

PH 602 Public Health Biology (2 credit hours)

PH 611 Epidemiology (3 credit hours)

Spring of Year 4 Health Sciences

PH 641 Social and Behavioral aspects of Public Health (2 credit hours)

PH 631 Environmental Health (2 credit hours)

PH 642 Health Communication (2 credit hours) or PH 622 Statistical Methods (2 credit hours)

Year One MPH (After graduation with BS in Health Sciences)

Summer

PH 621 Statistical Methods I (3 credit hours)

PH 693 Public Health Law and Ethics (3 credit hours)

Total for semester..... 6 hrs.

Year Two MPH

Fall

PH 655 Introduction to Health Policy

PH 661 Chronic Disease (GCH)¹ or PH 617 Methods in Applied Computer Study I (REP)²

PH 672 Global Health (GCH) or PH 616 Clinical Trials (REP)

PH 671 Community Health (GCH) or PH 615 Health Systems Research (REP)

PH 694 Practicum or PH 695 Research

Total for semester..... 14 hrs.

Spring

PH 692 Seminar

PH 651 Public Health Services

PH 686 Health Informatics and Technology

PH 656 Topics in Health Policy (REP) or PH 662 Control of Infectious Disease (GCH)

PH 696 Capstone

Total for semester..... 12 hrs.

Total Hours Required for Graduation..... 44 hrs.

1 Global and Community Health Concentration Course

2 Research, Evaluation and Policy Concentration Course

Request for Graduate Addition, Deletion, or Change of a Major or Degree

NOTE: Before you submit a request for a new Major or Degree, you must submit an INTENT TO PLAN form. Only after the INTENT TO PLAN goes through the approval process are you ready to submit this request for a new Major or Degree. For detailed information on new programs please see: <http://wvhepcdoc.wvnet.edu/resources/133-11.pdf>.

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one PDF copy without signatures to the Graduate Council Chair.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: COHP

Dept/Division: Public Health (MPH)

Contact Person: Paul Kadetz

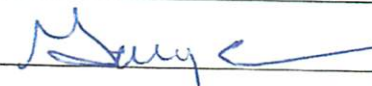


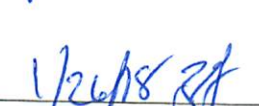



Phone: 304-696-5772

Degree Program Master in Public Health (MPH)

Check action requested: ☐ Addition ☐ Deletion ☒ ChangeEffective Term/Year Fall 20 Spring 20 Summer 20

Information on the following pages must be completed before signatures are obtained.

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head 		Date <u>3/10/17</u>
College Curriculum Chair 		Date <u>3/16/17</u>
College Dean 		Date <u>3/10/17</u>
Graduate Council Chair 		Date <u>3-6-18</u>
Provost/VP Academic Affairs _____		Date _____
Presidential Approval _____		Date _____
Board of Governors Approval _____		Date _____

Request for Graduate Addition, Deletion, or Change of a Major or Degree-Page 2

Please provide a rationale for addition, deletion, change: (May attach separate page if needed)

In order to add suggested minors in Rural Health and One Health to the MPH program, and also for the joint DPharm/MPH and the proposed MD/MPH, courses in the MPH program that are neither concentration courses nor core courses for accreditation need to be changed to electives. This was also verified as appropriate by the accrediting body for public health (CEPH). However, if the student does not choose a minor elective track or is completing DPharm/MPH or proposed MD/MPH, then the student would be required to complete these "electives". These include: PH 601 Introduction to Public Health (1 credit hour); PH 602 Public Health Biology (2 credit hours); PH 693 Public Health Law and Ethics (3 credit hours); PH 686 Health Informatics and Technology (3 credit hours); PH 655 Introduction to Health Policy (3 credit hours); and PH 692 Seminar (1 credit hour)

Please describe any changes in curriculum:

List course number, title, credit hours. Note whether each course is required or optional. Enter NONE if no change. (May attach separate page if needed)

These courses will be electives for students in the DPharm/MPH; MD/MPH offering or for those students choosing an elective minor:

PH 601 Introduction to Public Health (1 credit hour)

PH 602 Public Health Biology (2 credit hours)

PH 693 Public Health Law and Ethics (3 credit hours)

PH 686 Health Informatics and Technology (3 credit hours)

PH 655 Introduction to Health Policy (3 credit hours)

PH 692 Seminar (1 credit hour)

1. ADDITIONAL RESOURCE REQUIREMENTS: If your program requires additional faculty, equipment or specialized materials to ADD or CHANGE this major or degree, attach an estimate of the time and money required to secure these items.

NOTE: Approval of this form does not imply approval for additional resources. Enter NONE if not applicable.

None

2. NON-DUPLICATION: If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the request and any response received from them. Enter NONE if not applicable.

NONE

For catalog changes as a result of the above actions, please fill in the following pages.

Request for Graduate Addition, Deletion, or Change of a Major or Degree-Page 3

3. Current Catalog Description

Insert the *Current* Catalog Description and page number from the latest catalog for entries you would like to change.
(May attach separate page if needed)

Pages 294-295 in current catalog.

PH 601 Introduction to Public Health (1 credit hour)

An introduction to public health, including its foundation and history, principles and characteristics of the discipline, professional roles, and individual career development and planning.

PH 602 Public Health Biology (2 credit hours)

Review biological bases of public health issues, including principles of disease development, including genetics, oncogenesis, and immunology. May be waived for those holding appropriate degrees in biologic or clinical sciences.

PH 693 Public Health Law and Ethics (3 credit hours)

Public Health Law and Ethics. 3 hrs.

Introduction to the legal and ethical foundations of public health practice, including study of how individuals, practitioners, organizations and government address key issues.

PH 686 Health Informatics and Technology (3 credit hours)

An introduction to health information technology applications and issues, as well as the growing impact of advances in biotechnology on public health.

PH 655 Introduction to Health Policy (3 credit hours)

An introduction to legal and policy foundations of U.S. health care, including its delivery, regulation and financing. Students develop skills in policy analysis and formulation, and learn principles of advocacy.

PH 692 Seminar (1 credit hour)

Introduction to health science literature review and critique, as well as presentation of research and practicum reports.

4. Edits to the Current Description

Attach a PDF copy of the current catalog description prepared in MS WORD with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

Request for Graduate Addition, Deletion, or Change of a Major or Degree-Page 4

5. New Catalog Description

Insert a 'clean' copy of your proposed description, i.e., no strikethroughs or highlighting included. This should be what you are proposing for the new description. (May attach separate page if needed)

PH 601 Introduction to Public Health (1 credit hour) Elective
PH 602 Public Health Biology (2 credit hours) Elective
PH 693 Public Health Law and Ethics (3 credit hours) Elective
PH 686 Health Informatics and Technology (3 credit hours) Elective
PH 655 Introduction to Health Policy (3 credit hours) Elective
PH 692 Seminar (1 credit hour) Elective

Request for Graduate Addition, Deletion, or Change of a Major or Degree-Page 5

Please insert in the text box below your change summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Major or Degree:

Type of Change: *(addition, deletion, change)*

Rationale:

Department: Public health

Major or Degree: MPH

Type of Change: Change of 6 existing required courses to elective status.

Rationale: This change will allow the electives to be replaced by courses in a minor of Rural Health or One Health if a student chooses, and will facilitate the substitution of 13 credit hours of appropriate courses in the DPharm program for DPharm/MPH students and for the substitution of 13 credit hours of appropriate courses in the MD program for the proposed MD/MPH students.

Edits to the Current Description

PH 601 Introduction to Public Health (1 credit hour) **Elective**

An introduction to public health, including its foundation and history, principles and characteristics of the discipline, professional roles, and individual career development and planning.

PH 602 Public Health Biology (2 credit hours) **Elective**

Review biological bases of public health issues, including principles of disease development, including genetics, oncogenesis, and immunology. May be waived for those holding appropriate degrees in biologic or clinical sciences.

PH 693 Public Health Law and Ethics (3 credit hours) **Elective**

Public Health Law and Ethics. 3 hrs.

Introduction to the legal and ethical foundations of public health practice, including study of how individuals, practitioners, organizations and government address key issues.

PH 686 Health Informatics and Technology (3 credit hours) **Elective**

An introduction to health information technology applications and issues, as well as the growing impact of advances in biotechnology on public health.

PH 655 Introduction to Health Policy (3 credit hours) **Elective**

An introduction to legal and policy foundations of U.S. health care, including its delivery, regulation and financing. Students develop skills in policy analysis and formulation, and learn principles of advocacy.

PH 692 Seminar (1 credit hour) **Elective**

Introduction to health science literature review and critique, as well as presentation of research and practicum reports.

Request for Graduate Non-Curricular Changes

PLEASE USE THIS FORM FOR ALL NON-CURRICULAR CHANGE REQUESTS (changes in admission requirements or requirements for graduation, changes in existing or new policies/procedures, changes in program descriptions in catalog, general language changes in catalog).

SIGNATURES may not be required, depending on the nature of the request and from where it originates. Consult Graduate Council Chair.

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: COHPDept/Division: Public Health (MPH)Contact Person: Paul KadetzPhone: 304-696-5772

Rationale for Request:

In general, changes that have been proposed in other currently submitted documents for MPH changes will need to be reflected in the Fall 2018 catalog. The GRE requirement as currently stated in the catalog does not allow for flexibility for students with professional degrees in healthcare and/or who have started or completed other graduate programs and therefore should be judged by MPH admissions accordingly. The Degree requirements section needs to be updated as all capstone students are being required to present a final project manuscript.

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.
NOTE: all requests may not require all signatures.

Department/Division Chair [Signature] 1/25/18 Date 3/10/17

Registrar [Signature] 1/29/18 Date 3-13-17

College Curriculum Committee Chair [Signature] 1/26/18 Date 3/16/17
(or Dean if no college curriculum committee)

Graduate Council Chair [Signature] Date 3-6-18

NOTE: please complete information required on the following pages before obtaining signatures above.

Request for Graduate Non-Curricular Changes – Page 2

1. **Current Catalog Description (if applicable):** Please insert the catalog description from the current catalog for entries you would like to change.

1) Although the total credit hours for the program have remained the same the semester credit load is slightly different due to proposed changes in, for example, the capstone and the misplacement in the catalog of PH694 Research and PH 695 Practicum into the Spring semester of the 2nd year although it has in practice been offered only during the Fall semester of the 2nd year. Currently in Catalog (pages 145-146)

Year One

Fall

PH 692 Seminar

PH 601 Introduction to Public Health

PH 602 Public Health Biology

PH 611 Epidemiology

PH 621 Statistical Methods I

PH 671 Community Health (GCH)

PH 615 Health Systems Research (REP)

Total for semester..... 13 hrs.

Spring

PH 692 Seminar

PH 641 Social Behavior Aspects of Public Health

PH 631 Environmental Health

PH 686 Health Informatics and Technology

PH 693 Public Health Law and Ethics

PH 616 Health Communications (GCH)

PH 622 Statistical Methods II (REP)

Total for semester..... 13 hrs.

Year Two

Fall:

PH 692 Seminar

PH 655 Introduction to Health Policy

PH 661 Chronic Disease (GCH)

PH 672 Global Health (GCH)

PH 616 Clinical Trials (REP)

PH 617 Methods in Applied Computer Study I

Total for semester..... 9 hrs.

Spring

PH 692 Seminar

PH 651 Public Health Services

PH 656 Topics in Health Policy (REP)

PH 662 Control of Infectious Disease (GCH)

PH 694 Practicum

PH 695 Capstone

Total for semester..... 9 hrs.

Total Hours Required for Graduation..... 44 hrs.

Currently in catalog (Page 145)

2) Admission

Students may be admitted to study for either fall or spring semester; however, spring matriculation for study in Research, Evaluation and Policy is made only in exceptional circumstances.

Applicants must submit scores for either the Graduate Record Examination (GRE), or from an alternative doctoral level health professions examination (MCAT, PCAT) administered within five years. Applicants holding either doctoral level health practice degree, or J.D. are exempt from the standardized exam requirement.

3) Degree Requirements

The Master of Public Health requires 44 hours of coursework. First-year students gain a strong foundation of a broad core curriculum and are prepared for rotations and employment experiences in just two semesters.

Practicum training is complemented by a second year capstone composed of a comprehensive exam coupled with either a manuscript or a research thesis.

Students choose from concentrations in either Global and Community Health (GCH) or Research, evaluation and Policy (REP).

Request for Graduate Non-Curricular Changes – Page 3

2. **Edits to current description:** Attach or insert a PDF copy of the current catalog description prepared in MS WORD with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

Please See Attached

Request for Graduate Non-Curricular Changes – Page 4

3. **New Catalog Description:** Provide a “clean” copy of your proposed description without strikethroughs or highlighting. This should be what you are proposing for the new description.

1) *Please note Although the total credit hours for the program have remained the same the semester credit load is slightly different due to proposed changes in, for example, the capstone.*

Year One

Fall

PH 601 Introduction to Public Health

PH 602 Public Health Biology

PH 611 Epidemiology

PH 621 Statistical Methods I

PH 671 Community Health (GCH)

PH 615 Health Systems Research (REP)

Total for semester..... 12 hrs.

Spring

PH 641 Social Behavior Aspects of Public Health

PH 631 Environmental Health

PH 686 Health Informatics and Technology

PH 693 Public Health Law and Ethics

PH 616 Health Communications (GCH)

PH 622 Statistical Methods II (REP)

Total for semester..... 12 hrs.

Year Two

Fall:

PH 655 Introduction to Health Policy

PH 661 Chronic Disease (GCH)

PH 672 Global Health (GCH)

PH 616 Clinical Trials (REP)

PH 617 Methods in Applied Computer Study I

PH 694 Practicum or PH 695 Research

Total for semester..... 11 hrs.

Spring

PH 692 Seminar

PH 651 Public Health Services

PH 656 Topics in Health Policy (REP)

PH 662 Control of Infectious Disease (GCH)

PH 696 Capstone

Total for semester..... 9 hrs.

Total Hours Required for Graduation..... 44 hrs.

2) Admission

Students may be admitted to study for either fall or spring semester.

Applicants should submit scores for either the Graduate Record Examination (GRE), or from an alternative doctoral level health professions examination (MCAT, PCAT) administered within five years. Applicants holding either a professional or doctoral level health practice degree, or J.D. are exempt from the standardized exam requirement. Students who have not taken the GRE and do not fall into the above-mentioned categories, may be admitted with provisional admission that will change to full admission after the successful completion of 12 credit hours of MPH courses with a minimum 3.0 GPA.

3) Degree Requirements

The Master of Public Health requires 44 hours of coursework. First-year students gain a strong foundation of a broad core curriculum and are prepared for practical and employment experiences in just two semesters. Practicum or research training is complemented by a second year capstone composed of a comprehensive exam coupled with a manuscript of their research or practicum.

Students choose from concentrations in either Global and Community Health (GCH) or Research, Evaluation and Policy (REP). Students may also replace program electives with an elective minor in Rural Health or an elective minor in One Health.

Request for Graduate Non-Curricular Changes – Page 5

Please insert below your proposed change information for the Graduate Council agenda.

Type of change request: **Changes to catalog.**

Department: **Public Health**

Degree program: **MPH**

Effective date (fall/spring/summer, year): **Fall 2017**

Edits to what is Currently in Catalog (pages 145-146)

Year One

Fall

PH 692 Seminar

PH 601 Introduction to Public Health

PH 602 Public Health Biology

PH 611 Epidemiology

PH 621 Statistical Methods I

PH 671 Community Health (GCH)

PH 615 Health Systems Research (REP)

Total for semester..... 13¹² hrs.

Spring

PH 692 Seminar

PH 641 Social Behavior Aspects of Public Health

PH 631 Environmental Health

PH 686 Health Informatics and Technology

PH 693 Public Health Law and Ethics

PH 616 Health Communications (GCH)

PH 622 Statistical Methods II (REP)

Total for semester..... 13¹² hrs.

Year Two

Fall:

PH 692 Seminar

PH 655 Introduction to Health Policy

PH 661 Chronic Disease (GCH)

PH 672 Global Health (GCH)

PH 616 Clinical Trials (REP)

PH 617 Methods in Applied Computer Study I

PH 694 Practicum or PH 695 Research¹²

Total for semester..... 13¹² hrs.

Spring

PH 692 Seminar

PH 651 Public Health Services

PH 656 Topics in Health Policy (REP)

PH 662 Control of Infectious Disease (GCH)

PH 694 Practicum

PH 69³ Capstone³

Total for semester..... 9 hrs.

Total Hours Required for Graduation..... 44 hrs.

- 1 Although, PH 694 or PH 695 have been taken by students in the Fall semester of the 2nd year of the program, in the catalog it is listed as in the Spring semester of the 2nd year. Also PH 695 is *not* listed in the catalog with PH 694. However, in practice, the student chooses between PH 694 OR PH 695. Please also note that PH 695 is for Research, and is incorrectly listed in the catalog as the Capstone (which is PH 696). Please refer to page 295 in current catalog.
- 2 Please also note that PH 694 and PH 695 are listed as 1-3 credit hours and I am proposing the full 3 credit hours be applied here. Please refer to page 295 in the current catalog.
- 3 Please note that the Capstone (PH 696) is incorrectly listed as PH 695, which is the course number for Research. Please see page 295 in current catalog.

2) Admission

Students may be admitted to study for either fall or spring semester; however, spring matriculation for study in Research, Evaluation and Policy is made only in exceptional circumstances.

Applicants must submit scores for either the Graduate Record Examination (GRE), or from an alternative doctoral level health professions examination (MCAT, PCAT) administered within five years. Applicants holding either a doctoral level health practice degree, or J.D. are exempt from the standardized exam requirement.

Students may be admitted to the program after the successful completion of 12 credit hours of work courses with a minimum 3.0 GPA.

3) Degree Requirements

The Master of Public Health requires 44 hours of coursework. First-year students gain a strong foundation of a broad core curriculum and are prepared for rotations, practical and employment experiences in just two semesters. Practicum or internship training is complemented by a second year capstone composed of a comprehensive exam coupled with either a manuscript of their research or a research thesis.

Students choose from concentrations in either Global and Community Health (GCH) or Research, Evaluation and Policy (REP). Students may also replace program electives with an elective minor in Rural Health or an elective minor in One Health.

Request for Graduate Course Addition

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Health ProfessionsDept/Division: Public HealthAlpha Designator/Number: PH 603☒ Graded ☐ CR/NCContact Person: Paul KadetzPhone: 304-696-5772**NEW COURSE DATA:**New Course Title: Introduction to Rural HealthAlpha Designator/Number:

P	H	6	0	3					
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Title Abbreviation:

I	n	t	r	o		t	o		R	u	r	a	l		H	e	a	l	t	h				
---	---	---	---	---	--	---	---	--	---	---	---	---	---	--	---	---	---	---	---	---	--	--	--	--

(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

Introduction to the particular issues of rural health, both domestically in the U.S. and internationally.

Co-requisite(s): Not ApplicableFirst Term to be Offered: Fall 2017Prerequisite(s): Not ApplicableCredit Hours: 3Course(s) being deleted in place of this addition (must submit course deletion form): Not Applicable

Signatures: If disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head

Maryanne 1/25/18Date 3/10/17

Registrar

Jonny 1/29/18Date 3-13-17

College Curriculum Chair

Will 1/26/18Date 3/14/17

Graduate Council Chair

ChristoferoDate 3-6-18

Request for Graduate Course Addition

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Health ProfessionsDept/Division: Public HealthAlpha Designator/Number: PH 603☒ Graded ☐ CR/NCContact Person: Paul KadetzPhone: 304-696-5772**NEW COURSE DATA:**New Course Title: Introduction to Rural HealthAlpha Designator/Number:

P	H	6	0	3					
---	---	---	---	---	--	--	--	--	--

Title Abbreviation:

I	n	t	r	o		t	o		R	u	r	a	l		H	e	a	l	t	h				
---	---	---	---	---	--	---	---	--	---	---	---	---	---	--	---	---	---	---	---	---	--	--	--	--

(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)Introduction to the particular issues of rural health, both domestically in the U.S. and internationally.Co-requisite(s): Not ApplicableFirst Term to be Offered: Fall 2017Prerequisite(s): Not ApplicableCredit Hours: 3Course(s) being deleted in place of this addition (*must submit course deletion form*): Not Applicable

Signatures: If disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head _____

Date _____

Registrar _____

Date _____

College Curriculum Chair _____

Date _____

Graduate Council Chair _____

Date _____

Request for Graduate Course Addition - Page 2

College: Health Professions

Department/Division: Public Health

Alpha Designator/Number: PH 603

Provide complete information regarding the new course addition for each topic listed below. Before routing this form, a complete syllabus also must be attached addressing the items listed on the first page of this form.

1. FACULTY: Identify by name the faculty in your department/division who may teach this course.

Dr. Richard Crespo and MPH Faculty

2. DUPLICATION: If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the proposal. Enter "**Not Applicable**" if not applicable.

Not Applicable

3. REQUIRED COURSE: If this course will be required by another department(s), identify it/them by name. Enter "**Not Applicable**" if not applicable.

Not Applicable

4. AGREEMENTS: If there are any agreements required to provide clinical experiences, attach the details and the signed agreement. Enter "**Not Applicable**" if not applicable.

Not Applicable

5. ADDITIONAL RESOURCE REQUIREMENTS: If your department requires additional faculty, equipment, or specialized materials to teach this course, attach an estimate of the time and money required to secure these items. (Note: Approval of this form does not imply approval for additional resources.) Enter "**Not Applicable**" if not applicable.

Not Applicable

6. COURSE OBJECTIVES: (May be submitted as a separate document)

Upon completion of the course, students will:

- 1) Identify the factors involved in health disparities in rural contexts
- 2) Discuss the primary health issues specific to rural Appalachia
- 3) Distinguish the basic structure and function of rural health systems
- 4) Conduct a basic needs and assets assessment for rural health

Request for Graduate Course Addition - Page 3

7. COURSE OUTLINE (May be submitted as a separate document)

Week 1 Defining Rurality and Understanding Rural Health. (Crosby Chapter 1, 2)

Week 2 Context of Rural Public Health in America and in Appalachia. (Crosby Chapter 3; Ludke Introduction)

Week 3 Rural Disparities. Understanding the social, cultural and environmental factors impacting health disparities. (Crosby Chapter 4)

Week 4 Health and the built environment in Appalachia. Field Visit I (Ludke Chapter 2)

Week 5 Health and Appalachian Culture. (Ludke Chapter 3)

(Paper 1 Due)

Week 6 Health Policy and Health Promotion in Rural America. (Crosby Chapter 5)

Week 7 The Status of Health in Appalachia I: Obesity and Food Insecurity. (Crosby Chapter 14; Ludke Chapter 7)

Week 8 The Status of Health in Appalachia II: Cardiovascular Disease (Crosby Chapter 16; Ludke Chapter 5)

Week 9 The Status of Health in Appalachia III: Diabetes (Ludke Chapter 6)

Week 10 The Status of Health in Appalachia IV: Trauma and Injury (Crosby Chapter 17; Ludke Chapter 10)

(Paper 2 Due)

Week 11 Health Care Systems in Appalachia. Field Visit II (Ludke Chapter 4)

Week 12 Rural Health Care in Kentucky and Alabama. (Crosby Chapter 7, 8)

Week 13 Health Partnerships: Coalition Building in Rural Health (Crosby Chapter 11)

Week 14 Building Capacity in Rural Communities. (Crosby Chapter 12)

(Paper 3 Due)

Week 15 Decentralization in the Rural Philippines.

Week 16 Health Reforms and Human Resources in Rural China.

Week 17 (Final Rural Health Assessment)

8. SAMPLE TEXT(S) WITH AUTHOR(S) AND PUBLICATION DATES (May be submitted as a separate document)

Crosby, R. A., Wendel, M. L., Vanderpool, R. C., & Casey, B. R. (2012). Rural Populations and Health: Determinants, Disparities, and Solutions. San Francisco: Josey-Bass. ISBN: 9781118221693

Ludke R. & Obermiller P. (Eds.)(2012). Appalachian Health and Well-Being. University Press of Kentucky. ISBN: 9780813140421

9. EXAMPLE OF INSTRUCTIONAL METHODS (Lecture, lab, internship)

Lecture, videos, discussions, Field Visits.

Request for Graduate Course Addition - Page 4

10. EXAMPLE EVALUATION METHODS (CHAPTER, MIDTERM, FINAL, PROJECTS, ETC.)

Papers and Final Rural Health Assessment.

11. ADDITIONAL GRADUATE REQUIREMENTS IF LISTED AS AN UNDERGRADUATE/GRADUATE COURSE

Not Applicable.

12. PROVIDE COMPLETE BIBLIOGRAPHY (May be submitted as a separate document)

Crosby, R. A., Wendel, M. L., Vanderpool, R. C., & Casey, B. R. (2012). *Rural Populations and Health: Determinants, Disparities, and Solutions*. San Francisco: Josey-Bass. ISBN: 9781118221693

Dolea, C., Stormont, L., & Braichet, J. M. (2010). Evaluated strategies to increase attraction and retention of health workers in remote and rural areas. *Bulletin of the World Health Organization*, 88(5), 379-385.

Eberhardt, M. S., & Pamuk, E. R. (2004). The importance of place of residence: examining health in rural and nonrural areas. *American Journal of Public Health*, 94(10), 1682-1686.

Hartley, D. (2004). Rural health disparities, population health, and rural culture. *American Journal of Public Health*, 94(10), 1675-1678.

Human, J., & Wasem, C. (1991). Rural mental health in America. *American Psychologist*, 46(3), 232.

Ludke R. & Obermiller P. (Eds.)(2012). *Appalachian Health and Well-Being*. University Press of Kentucky. ISBN: 9780813140421

Ricketts, T. C. (2000). The changing nature of rural health care. *Annual review of public health*, 21(1), 639-657.

Smith, K. B., Humphreys, J. S., & Wilson, M. G. (2008). Addressing the health disadvantage of rural populations: how does epidemiological evidence inform rural health policies and research?. *Australian Journal of Rural Health*, 16(2), 56-66.

Stock, R. (1983). Distance and the utilization of health facilities in rural Nigeria. *Social science & medicine*, 17(9), 563-570.

Request for Graduate Course Addition - Page 5

Please insert in the text box below your course summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Course Number and Title:

Catalog Description:

Prerequisites:

First Term Offered:

Credit Hours:

Department: Public Health

Course Number and Title: PH 603 Introduction to Rural Health

Catalog Description: Introduction to the particular issues of rural health, both domestically in the U.S. and internationally.

Prerequisites: NONE

First Term Offered: Fall 2017

Credit Hours: 3

COURSE TITLE/NUMBER	Introduction to Rural Health/ PH603
SEMESTER/YEAR	Fall 2017
DAYS/TIME	TBD
CREDIT HOURS	3
LOCATION	TBD
INSTRUCTOR	Richard Crespo and MPH Faculty
OFFICE/PHONE	TBD
E-MAIL	TBD
OFFICE HOURS	TBD
CFE/UNIVERSITY POLICIES	By enrolling in this course, you agree to the <i>Marshall University Policies</i> , and thus it is essential that you understand them. Please review these at the Academic Affairs website: http://muwww-new.marshall.edu/academic-affairs/policies/

COURSE DESCRIPTION: FROM CATALOG

Introduction to the particular issues of rural health, both domestically in the U.S. and internationally.

STUDENT LEARNING OUTCOMES IDENTIFIED IN THIS COURSE:

Upon completion of the course, students will:

- 1) Identify the factors involved in health disparities in rural contexts
- 2) Discuss the primary health issues specific to rural Appalachia
- 3) Distinguish the basic structure and function of rural health systems
- 4) Conduct a basic needs and assets assessment for rural health

COURSE STUDENT LEARNING OUTCOMES	HOW PRACTICED IN THIS COURSE	HOW ASSESSED IN THIS COURSE
1) Identify the factors involved in health disparities in rural contexts	Lecture, Discussion, videos, Field Visits	Papers and Health Assessment
2) Discuss the primary health issues specific to rural Appalachia	Lecture, Discussion, videos, Field Visits	Papers and Health Assessment
3) Distinguish the basic structure and function of rural health systems	Lecture, Discussion, Field Visits	Papers
4) Conduct a basic needs and assets assessment for rural health	Discussion, Field Visits	Health Assessment

REQUIRED TEXTS, ADDITIONAL READING, AND OTHER MATERIALS

Required

Crosby, R. A., Wendel, M. L., Vanderpool, R. C., & Casey, B. R. (2012). *Rural Populations and Health: Determinants, Disparities, and Solutions*. San Francisco: Josey-Bass. ISBN: 9781118221693

Ludke R. & Obermiller P. (Eds.)(2012). *Appalachian Health and Well-Being*. University Press of Kentucky. ISBN: 9780813140421

Recommended

Dolea, C., Stormont, L., & Braichet, J. M. (2010). Evaluated strategies to increase attraction and retention of health workers in remote and rural areas. *Bulletin of the World Health Organization*, 88(5), 379-385.

Eberhardt, M. S., & Pamuk, E. R. (2004). The importance of place of residence: examining health in rural and nonrural areas. *American Journal of Public Health*, 94(10), 1682-1686.

Hartley, D. (2004). Rural health disparities, population health, and rural culture. *American Journal of Public Health*, 94(10), 1675-1678.

Human, J., & Wasem, C. (1991). Rural mental health in America. *American Psychologist*, 46(3), 232.

Ricketts, T. C. (2000). The changing nature of rural health care. *Annual review of public health*, 21(1), 639-657.

Smith, K. B., Humphreys, J. S., & Wilson, M. G. (2008). Addressing the health disadvantage of rural populations: how does epidemiological evidence inform rural health policies and research?. *Australian Journal of Rural Health*, 16(2), 56-66.

Stock, R. (1983). Distance and the utilization of health facilities in rural Nigeria. *Social science & medicine*, 17(9), 563-570.

RECOMMENDED MATERIALS

TBD

COURSE REQUIREMENTS

3 Papers at 25% each = 75%

Final Rural Health Assessment 25%

GRADING POLICY

Grades will be determined by the following scale:

90-100	A
80-89	B
70-79	C
60-69	D
<60	F

Criteria for grading-

"A"- Student should demonstrate excellent knowledge in the topics covered and should participate actively in the classroom discussion, should be able to answer 90% or more of the questions in quizzes/exams correctly.

"B"- Student should demonstrate good knowledge in the topics covered and should participate actively in the classroom discussion, should be able to answer 80% or more of the questions in quizzes/exams correctly.

"C"- Student should demonstrate satisfactory knowledge in the topics covered and should participate actively in the classroom discussion, should be able to answer 70% or more of the questions in quizzes/exams correctly.

"D"- Student should demonstrate satisfactory knowledge in the topics covered, should be able to answer 60% or more of the questions in quizzes/exams correctly.

"F"- Student fails to demonstrate satisfactory knowledge in the topics covered, fails to participate actively in the classroom discussion, scores less than 60% of the questions in quizzes/exams.

ATTENDANCE POLICY

This class meets weekly. While attendance is not required, lectures may not be replicated on Blackboard, thus students are encouraged to maintain regular attendance.

ADDITIONAL POLICIES

1. **Accountable material and preparation.** Class sessions are conducted based on the expectation that students complete all appropriate readings and/or assignments as scheduled. This facilitates better questions, discussion, and learning. Exam and quiz questions may be based on both out-of-class assignments and material presented in class.
2. **Electronic devices.** Electronic devices (smartphones, PDAs, laptops, etc.) can be a valuable asset in the classroom. However, if used inappropriately, these can be a distraction. Students should utilize these devices in class only for educational purposes, and are requested to be unobtrusive in their use (including silencing cell phone ringers). Please note that social media, "tweeting", and real time chat are not appropriate in the classroom unless part of a classroom exercise.
3. **Intellectual property notice:** Many materials used in this class are copyrighted, while others represent content and product of the instructor and/or Marshall

University. While students may share notes and engage in discussions regarding their work in the course, recording or distribution of course content is not permitted. Students should enquire of the instructor for clarification regarding exceptions.

4. **Academic integrity:** Students should refer to the Student Handbook to ensure understanding of policies concerning academic honesty and integrity, including plagiarism and cheating. Unless specified by the instructor, no electronic devices, notes, or other non-approved assistance is permitted during any exam.
5. **Disability accommodation.** The instructor will endeavor to accommodate students with a disability. It is requested that the student notify the instructor at the earliest possible time regard anticipated assistance which may be required.
6. **Vigilance.** Students are expected to access their MU e-mail address and MU On-line regularly for information related to the course.
7. **Missed classes:** If you are absent, it is the student's responsibility to find out from a classmate what notes, handouts, assignments, or other course material you missed and to make arrangements to receive those.
8. **Make-up assignments and exams:** Students who miss scheduled exams or assignments may make them up in the event of a University-excused absence or medical emergency. In any other situation, a student may request a make-up, but if the request is granted, such may be a different exam or assignment.
9. **Office hours:** As posted and by appointment.
10. **Inclement Weather:** If inclement weather results in class cancellation, students are directed to carefully review posted material posted for that session, as we will endeavor to maintain the planned course schedule, including exams which may include that content.
11. **Reasonable change with notice.** In order to facilitate unforeseen circumstances, as well as act in the best interest of students and the university, the terms and schedule in this syllabus are subject to prudent change with reasonable notice.

Course Schedule

Week	Topic
1	Defining Rurality and Understanding Rural Health. (Crosby Chapter 1, 2)
2	Context of Rural Public Health in America and in Appalachia. (Crosby Chapter 3; Ludke Introduction)
3	Rural Disparities. Understanding the social, cultural and environmental factors impacting health disparities. (Crosby Chapter 4)
4	Health and the built environment in Appalachia. Field Visit I (Ludke Chapter 2)
5	Health and Appalachian Culture. (Ludke Chapter 3)
	Paper 1 Due
6	Health Policy and Health Promotion in Rural America. (Crosby Chapter 5)
7	The Status of Health in Appalachia I: Obesity and Food Insecurity. (Crosby Chapter 14; Ludke Chapter 7)
8	The Status of Health in Appalachia II: Cardiovascular Disease (Crosby Chapter 16; Ludke Chapter 5)
9	The Status of Health in Appalachia III: Diabetes (Ludke Chapter 6)
10	The Status of Health in Appalachia IV: Trauma and Injury (Crosby Chapter 17; Ludke Chapter 10)
	Paper 2 Due
11	Health Care Systems in Appalachia. Field Visit II (Ludke Chapter 4)
12	Rural Health Care in Kentucky and Alabama. (Crosby Chapter 7, 8)
13	Health Partnerships: Coalition Building in Rural Health (Crosby Chapter 11)
14	Building Capacity in Rural Communities. (Crosby Chapter 12)
	Paper 3 Due
15	Decentralization in the Rural Philippines.
16	Health Reforms and Human Resources in Rural China.
	Rural Health Assessment

Request for Graduate Course Addition

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Health Professions Dept/Division: Public Health

Alpha Designator/Number: PH 653

☒ Graded ☐ CR/NC

Contact Person: Paul Kadetz

Phone: 304-696-5772

NEW COURSE DATA:

New Course Title: Rural Health in Appalachia I: Intervening with Addiction

Alpha Designator/Number:

P H 6 5 3

Title Abbreviation:

R u r a l H e a l t h A d d i c t i o n

(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

^{public}
Introduction to the health issues of, and interventions for, alcohol, tobacco and drug addiction in the Appalachian region, with a special emphasis on opioid addiction and drug overdose.

Co-requisite(s): Not Applicable

First Term to be Offered: Fall 2017

Prerequisite(s): Not Applicable

Credit Hours: 2

Course(s) being deleted in place of this addition (must submit course deletion form): Not Applicable

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head

Mayer 4/25/18 h

Date

3/10/17

Registrar

Soyka, G C

1/29/18 sss

Date

3-13-17

College Curriculum Chair

Will Ziegler

1/20/18 zsf

Date

3/16/17

Graduate Council Chair

Christofero

Date

3-8-18

Request for Graduate Course Addition

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Health Professions

Dept/Division: Public Health

Alpha Designator/Number: PH 653

☒ Graded ☐ CR/NC

Contact Person: Paul Kadetz

Phone: 304-696-5772

NEW COURSE DATA:

New Course Title: Rural Health in Appalachia I: Intervening with Addiction

Alpha Designator/Number:

P H 6 5 3

Title Abbreviation:

R u r a l H e a l t h A d d i c t i o n

(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

Introduction to the public health issues of, and interventions for, alcohol, tobacco and drug addiction in the Appalachian region, with a special emphasis on opioid addiction and drug overdose.

Co-requisite(s): Not Applicable

First Term to be Offered: Fall 2017

Prerequisite(s): Not Applicable

Credit Hours: 2

Course(s) being deleted in place of this addition (must submit course deletion form): Not Applicable

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head _____	Date _____
Registrar _____	Date _____
College Curriculum Chair _____	Date _____
Graduate Council Chair _____	Date _____

Request for Graduate Course Addition - Page 2

College: Health Professions

Department/Division: Public Health

Alpha Designator/Number: PH 653

Provide complete information regarding the new course addition for each topic listed below. Before routing this form, a complete syllabus also must be attached addressing the items listed on the first page of this form.

1. FACULTY: Identify by name the faculty in your department/division who may teach this course.

Amy Saunders, MPH Faculty, and Invited Speakers

2. DUPLICATION: If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the proposal. Enter "**Not Applicable**" if not applicable.

Not Applicable

3. REQUIRED COURSE: If this course will be required by another department(s), identify it/them by name. Enter "**Not Applicable**" if not applicable.

Not Applicable

4. AGREEMENTS: If there are any agreements required to provide clinical experiences, attach the details and the signed agreement. Enter "**Not Applicable**" if not applicable.

Not Applicable

5. ADDITIONAL RESOURCE REQUIREMENTS: If your department requires additional faculty, equipment, or specialized materials to teach this course, attach an estimate of the time and money required to secure these items. (Note: Approval of this form does not imply approval for additional resources.) Enter "**Not Applicable**" if not applicable.

Not Applicable

6. COURSE OBJECTIVES: (May be submitted as a separate document)

Upon completion of the course, students will:

- 1) Discuss the factors impacting on addiction in the rural context.
- 2) Identify the sociocultural factors that impact on substance addictions in rural Appalachia.
- 3) Conduct Motivational Interviews based on SBIRT Training.
- 4) Design a proposal for an intervention for substance addiction.

Request for Graduate Course Addition - Page 3

7. COURSE OUTLINE (May be submitted as a separate document)

Week 1 Mental Health and Addiction. (Crosby Chapter 18)

Week 2 Mental Health and Addictions in Appalachia. (Ludke Chapter 11)

Week 3 Rural Adolescents and Addiction. (Crosby Chapter 13)

Week 4 Substance Addictions in Appalachia. (Ludke Chapter 12)

(Paper 1 Due)

Week 5 Tobacco Addiction. (Crosby Chapter 20)

Week 6 Alcoholism in Rural America.

Week 7 Opioid Addiction. (Readings from Quinones 2015)

Week 8 The Context of Substance Addictions in Rural Appalachia I. (Readings from Vance 2016)

Week 9 The Context of Substance Addictions in Rural Appalachia II. (Readings from Vance 2016)

Week 10 Field Visit I: Assessing the Prevalence of Substance Addictions in Appalachia. (Crosby Chapter 17; Ludke Chapter 10)

(Paper 2 Due)

Week 11 Introduction to Motivational Interviewing.

Week 12 Assessing Substance Addiction: SBIRT Training I.

Week 13 Assessing Substance Addiction: SBIRT Training II.

Week 14 Assessing Substance Addiction: SBIRT Training III.

(Paper 3 Due)

Week 15 Field Visit II: Intervening with Substance Addiction and Overdose (with Naloxone Training).

Week 16 Designing Interventions for Substance Addiction.

Week 17 (Design a Proposed Intervention)

8. SAMPLE TEXT(S) WITH AUTHOR(S) AND PUBLICATION DATES (May be submitted as a separate document)

Crosby, R. A., Wendel, M. L., Vanderpool, R. C., & Casey, B. R. (2012). Rural Populations and Health: Determinants, Disparities, and Solutions. San Francisco: Josey-Bass. ISBN: 9781118221693

Ludke R. & Obermiller P. (Eds.)(2012). Appalachian Health and Well-Being. University Press of Kentucky. ISBN: 9780813140421

Quinones, S. (2015). Dreamland: The true tale of America's new opiate epidemic. NY:Blommsbury. ISBN: 978-1620402528

Vance, J. D. (2016). Hillbilly elegy: A memoir of a family and culture in crisis. Harper. ISBN:978-0062300553

9. EXAMPLE OF INSTRUCTIONAL METHODS (Lecture, lab, internship)

Lecture, videos, discussions, Field Visits.

Request for Graduate Course Addition - Page 4

10. EXAMPLE EVALUATION METHODS (CHAPTER, MIDTERM, FINAL, PROJECTS, ETC.)

Papers and Final Proposed Intervention.

11. ADDITIONAL GRADUATE REQUIREMENTS IF LISTED AS AN UNDERGRADUATE/GRADUATE COURSE

Not Applicable.

12. PROVIDE COMPLETE BIBLIOGRAPHY (May be submitted as a separate document)

Required

Babor, T. F., McRee, B. G., Kassebaum, P. A., Grimaldi, P. L., Ahmed, K., & Bray, J. (2007). Screening, Brief Intervention, and Referral to Treatment (SBIRT) toward a public health approach to the management of substance abuse. *Substance abuse*, 28(3), 7-30.

Crosby, R. A., Wendel, M. L., Vanderpool, R. C., & Casey, B. R. (2012). *Rural Populations and Health: Determinants, Disparities, and Solutions*. San Francisco: Jossey-Bass. ISBN: 9781118221693

Ludke R. & Obermiller P. (Eds.)(2012). *Appalachian Health and Well-Being*. University Press of Kentucky. ISBN: 9780813140421

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Vance, J. D. (2016). *Hillbilly elegy: A memoir of a family and culture in crisis*. Harper. ISBN:978-0062300553

Recommended

Caetano, R., & Cunradi, C. (2002). Alcohol dependence: a public health perspective. *Addiction*, 97(6), 633-645.

Chandler, R. K., Fletcher, B. W., & Volkow, N. D. (2009). Treating drug abuse and addiction in the criminal justice system: improving public health and safety. *Jama*, 301(2), 183-190.

Druss, B. G., Bornemann, T., Fry-Johnson, Y. W., McCombs, H. G., Politzer, R. M., & Rust, G. (2008). Trends in mental health and substance abuse services at the nation's community health centers: 1998-2003. *American journal of public health*, 98(Supplement_1), S126-S131.

Fischer, B., Rehm, J., Kirst, M., Casas, M., Hall, W., Krausz, M., ... & Van Ree, J. M. (2002). Heroin-assisted treatment as a response to the public health problem of opiate dependence. *The European Journal of Public Health*, 12(3), 228-234.

Kolodny, A., Courtwright, D. T., Hwang, C. S., Kreiner, P., Eadie, J. L., Clark, T. W., & Alexander, G. C. (2015). The prescription opioid and heroin crisis: a public health approach to an epidemic of addiction. *Annual review of public health*, 36, 559-574.

Patterson, I., & Pegg, S. (1999). Nothing to do: the relationship between 'leisure boredom' and alcohol and drug addiction: is there a link to youth suicide in rural Australia?. *Youth Studies Australia*, 18(2), 24.

Request for Graduate Course Addition - Page 5

Please insert in the text box below your course summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Course Number and Title:

Catalog Description:

Prerequisites:

First Term Offered:

Credit Hours:

Department: Public Health

Course Number and Title: PH 653 Rural Health in Appalachia I: Intervening with Addiction

Catalog Description: Introduction to the public health issues of, and interventions for, alcohol, tobacco and drug addiction in the Appalachian region, with a special emphasis on opioid addiction and drug overdose.

Prerequisites: NONE

First Term Offered: Fall 2017

Credit Hours: 2

COURSE TITLE/NUMBER	Rural Health in Appalachia I: Intervening with Addiction/ PH653
SEMESTER/YEAR	Fall 2017
DAYS/TIME	TBD
CREDIT HOURS	2
LOCATION	TBD
INSTRUCTOR	Paul Kadetz/Amy Saunders
OFFICE/PHONE	TBD
E-MAIL	TBD
OFFICE HOURS	TBD
CFE/UNIVERSITY POLICIES	By enrolling in this course, you agree to the <i>Marshall University Policies</i> , and thus it is essential that you understand them. Please review these at the Academic Affairs website: http://muwww-new.marshall.edu/academic-affairs/policies/

COURSE DESCRIPTION: FROM CATALOG

Introduction to the public health issues of, and interventions for, alcohol, tobacco and drug addiction in the Appalachian region, with a special emphasis on opioid addiction and drug overdose.

STUDENT LEARNING OUTCOMES IDENTIFIED IN THIS COURSE:

Upon completion of the course, students will:

- 1) Discuss the factors impacting addiction in the rural context.
- 2) Identify the sociocultural factors that impact on substance addictions in rural Appalachia.
- 3) Conduct Motivational Interviews based on SBIRT Training.
- 4) Design a proposal for an intervention for substance addiction.

COURSE STUDENT LEARNING OUTCOMES	HOW PRACTICED IN THIS COURSE	HOW ASSESSED IN THIS COURSE
1) Discuss the factors impacting addiction in the rural context.	Lecture, Discussion, videos, Field Visits	Papers and Final Proposal
2) Identify the sociocultural factors that impact on substance addictions in rural Appalachia.	Discussion, Field Visits	Papers and Final Proposal
3) Conduct Motivational Interviews based on SBIRT Training.	Discussion, Field Visits	Final Proposal
4) Design a proposal for an intervention for substance addiction.	Lecture, Discussion, Field Visits	Final Proposal

REQUIRED TEXTS, ADDITIONAL READING, AND OTHER MATERIALS

Babor, T. F., McRee, B. G., Kassebaum, P. A., Grimaldi, P. L., Ahmed, K., & Bray, J. (2007). Screening, Brief Intervention, and Referral to Treatment (SBIRT) toward a public health approach to the management of substance abuse. *Substance abuse*, 28(3), 7-30.

Crosby, R. A., Wendel, M. L., Vanderpool, R. C., & Casey, B. R. (2012). *Rural Populations and Health: Determinants, Disparities, and Solutions*. San Francisco: Josey-Bass. ISBN: 9781118221693

Ludke R. & Obermiller P. (Eds.)(2012). *Appalachian Health and Well-Being*. University Press of Kentucky. ISBN: 9780813140421

Quinones, S. (2015). *Dreamland: The true tale of America's new opiate epidemic*. NY:Blommsbury. ISBN: 978-1620402528

Vance, J. D. (2016). *Hillbilly elegy: A memoir of a family and culture in crisis*. Harper. ISBN:978-0062300553

RECOMMENDED MATERIALS

Caetano, R., & Cunradi, C. (2002). Alcohol dependence: a public health perspective. *Addiction*, 97(6), 633-645.

Chandler, R. K., Fletcher, B. W., & Volkow, N. D. (2009). Treating drug abuse and addiction in the criminal justice system: improving public health and safety. *Jama*, 301(2), 183-190.

Druss, B. G., Bornemann, T., Fry-Johnson, Y. W., McCombs, H. G., Politzer, R. M., & Rust, G. (2008). Trends in mental health and substance abuse services at the nation's community health centers: 1998–2003. *American journal of public health*, 98(Supplement_1), S126-S131.

Fischer, B., Rehm, J., Kirst, M., Casas, M., Hall, W., Krausz, M., ... & Van Ree, J. M. (2002). Heroin-assisted treatment as a response to the public health problem of opiate dependence. *The European Journal of Public Health*, 12(3), 228-234.

Kolodny, A., Courtwright, D. T., Hwang, C. S., Kreiner, P., Eadie, J. L., Clark, T. W., & Alexander, G. C. (2015). The prescription opioid and heroin crisis: a public health approach to an epidemic of addiction. *Annual review of public health*, 36, 559-574.

Patterson, I., & Pegg, S. (1999). Nothing to do: the relationship between 'leisure boredom' and alcohol and drug addiction: is there a link to youth suicide in rural Australia?. *Youth Studies Australia*, 18(2), 24.

COURSE REQUIREMENTS

3 Papers at 20% each = 60%
Design proposed Intervention 40%

GRADING POLICY

Grades will be determined by the following scale:

90-100	A
80-89	B
70-79	C
60-69	D
<60	F

Criteria for grading-

"A"- Student should demonstrate excellent knowledge in the topics covered and should participate actively in the classroom discussion, should be able to answer 90% or more of the questions in quizzes/exams correctly.

"B"- Student should demonstrate good knowledge in the topics covered and should participate actively in the classroom discussion, should be able to answer 80% or more of the questions in quizzes/exams correctly.

"C"- Student should demonstrate satisfactory knowledge in the topics covered and should participate actively in the classroom discussion, should be able to answer 70% or more of the questions in quizzes/exams correctly.

"D"- Student should demonstrate satisfactory knowledge in the topics covered, should be able to answer 60% or more of the questions in quizzes/exams correctly.

"F"- Student fails to demonstrate satisfactory knowledge in the topics covered, fails to participate actively in the classroom discussion, scores less than 60% of the questions in quizzes/exams.

ATTENDANCE POLICY

This class meets weekly. While attendance is not required, lectures may not be replicated on Blackboard, thus students are encouraged to maintain regular attendance.

ADDITIONAL POLICIES

1. **Accountable material and preparation.** Class sessions are conducted based on the expectation that students complete all appropriate readings and/or assignments as scheduled. This facilitates better questions, discussion, and learning. Exam and quiz questions may be based on both out-of-class assignments and material presented in class.
2. **Electronic devices.** Electronic devices (smartphones, PDAs, laptops, etc.) can be a valuable asset in the classroom. However, if used inappropriately, these can be a distraction. Students should utilize these devices in class only for educational purposes, and are requested to be unobtrusive in their use (including silencing cell phone ringers). Please note that social media, "tweeting", and real time chat are not appropriate in the classroom unless part of a classroom exercise.
3. **Intellectual property notice:** Many materials used in this class are copyrighted, while others represent content and product of the instructor and/or Marshall

University. While students may share notes and engage in discussions regarding their work in the course, recording or distribution of course content is not permitted. Students should enquire of the instructor for clarification regarding exceptions.

4. **Academic integrity:** Students should refer to the Student Handbook to ensure understanding of policies concerning academic honesty and integrity, including plagiarism and cheating. Unless specified by the instructor, no electronic devices, notes, or other non-approved assistance is permitted during any exam.
5. **Disability accommodation.** The instructor will endeavor to accommodate students with a disability. It is requested that the student notify the instructor at the earliest possible time regard anticipated assistance which may be required.
6. **Vigilance.** Students are expected to access their MU e-mail address and MU On-line regularly for information related to the course.
7. **Missed classes:** If you are absent, it is the student's responsibility to find out from a classmate what notes, handouts, assignments, or other course material you missed and to make arrangements to receive those.
8. **Make-up assignments and exams:** Students who miss scheduled exams or assignments may make them up in the event of a University-excused absence or medical emergency. In any other situation, a student may request a make-up, but if the request is granted, such may be a different exam or assignment.
9. **Office hours:** As posted and by appointment.
10. **Inclement Weather:** If inclement weather results in class cancellation, students are directed to carefully review posted material posted for that session, as we will endeavor to maintain the planned course schedule, including exams which may include that content.
11. **Reasonable change with notice.** In order to facilitate unforeseen circumstances, as well as act in the best interest of students and the university, the terms and schedule in this syllabus are subject to prudent change with reasonable notice.

Course Schedule

Week	Topic
1	Mental Health and Addiction. (Crosby Chapter 18)
2	Mental Health and Addictions in Appalachia. (Ludke Chapter 11)
3	Rural Adolescents and Addiction. (Crosby Chapter 13)
4	Substance Addictions in Appalachia. (Ludke Chapter 12)
	Paper 1 Due
5	Tobacco Addiction. (Crosby Chapter 20)
6	Alcoholism in Rural America.
7	Opioid Addiction. (Readings from Quinones 2015)
8	The Context of Substance Addictions in Rural Appalachia I. (Readings from Vance 2016)
9	The Context of Substance Addictions in Rural Appalachia II. (Readings from Vance 2016)
10	Field Visit I: Assessing the Prevalence of Substance Addictions in Appalachia. (Crosby Chapter 17; Ludke Chapter 10)
	Paper 2 Due
11	Introduction to Motivational Interviewing.
12	Assessing Substance Addiction: SBIRT Training I.
13	Assessing Substance Addiction: SBIRT Training II.
14	Assessing Substance Addiction: SBIRT Training III.
	Paper 3 Due
15	Field Visit II: Intervening with Substance Addiction and Overdose (with Naloxone Training).
16	Designing Interventions for Substance Addiction.
	Design a Proposed Intervention

Request for Graduate Course Addition

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Health ProfessionsDept/Division: Public HealthAlpha Designator/Number: PH 685☒ Graded ☐ CR/NCContact Person: Paul KadetzPhone: 304-696-5772**NEW COURSE DATA:**New Course Title: Rural Health in Appalachia II: Malnutrition and Obesity

Alpha Designator/Number:

P	H	6	8	5					
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Title Abbreviation:

R	u	r	a	l		H	e	a	l	t	h		M	a	l	n	u	t	r	i	t	i	o	n
---	---	---	---	---	--	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	---	---	---	---

(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

public Health
 Overview of the specific issues in the social, cultural and built environments of the Appalachian region leading to adult and childhood obesity and the evidence base for interventions.

Co-requisite(s): Not ApplicableFirst Term to be Offered: Fall 2017Prerequisite(s): Not ApplicableCredit Hours: 2Course(s) being deleted in place of this addition (must submit course deletion form): Not Applicable

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head	<i>Maryanne</i>	<i>1/25/18</i>	<i>Ln</i>	Date	<i>3/10/17</i>
Registrar	<i>Soye</i>	<i>1/29/18</i>	<i>SSC</i>	Date	<i>3/7/17</i>
College Curriculum Chair	<i>[Signature]</i>	<i>1/26/18</i>	<i>34</i>	Date	<i>3/16/17</i>
Graduate Council Chair	<i>Christofero</i>			Date	<i>3-6-18</i>

Request for Graduate Course Addition

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Health Professions

Dept/Division: Public Health

Alpha Designator/Number: PH 685

☒ Graded ☐ CR/NC

Contact Person: Paul Kadetz

Phone: 304-696-5772

NEW COURSE DATA:

New Course Title: Rural Health in Appalachia II: Malnutrition and Obesity

Alpha Designator/Number: P H 6 8 5

Title Abbreviation: R u r a l H e a l t h M a l n u t r i t i o n

(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

Overview of the specific public health issues in the social, cultural and built environments of the Appalachian region leading to adult and childhood obesity and the evidence base for interventions.

Co-requisite(s): Not Applicable

First Term to be Offered: Fall 2017

Prerequisite(s): Not Applicable

Credit Hours: 2

Course(s) being deleted in place of this addition (must submit course deletion form): Not Applicable

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head _____	Date _____
Registrar _____	Date _____
College Curriculum Chair _____	Date _____
Graduate Council Chair _____	Date _____

Request for Graduate Course Addition - Page 2

College: Health Professions

Department/Division: Public Health

Alpha Designator/Number: PH 685

Provide complete information regarding the new course addition for each topic listed below. Before routing this form, a complete syllabus also must be attached addressing the items listed on the first page of this form.

1. FACULTY: Identify by name the faculty in your department/division who may teach this course.

MPH Faculty and Invited Speakers

2. DUPLICATION: If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the proposal. Enter "**Not Applicable**" if not applicable.

Not Applicable

3. REQUIRED COURSE: If this course will be required by another department(s), identify it/them by name. Enter "**Not Applicable**" if not applicable.

Not Applicable

4. AGREEMENTS: If there are any agreements required to provide clinical experiences, attach the details and the signed agreement. Enter "**Not Applicable**" if not applicable.

Not Applicable

5. ADDITIONAL RESOURCE REQUIREMENTS: If your department requires additional faculty, equipment, or specialized materials to teach this course, attach an estimate of the time and money required to secure these items. (Note: Approval of this form does not imply approval for additional resources.) Enter "**Not Applicable**" if not applicable.

Not Applicable

6. COURSE OBJECTIVES: (May be submitted as a separate document)

Upon completion of the course, students will:

- 1) Discuss the factors impacting on malnutrition in the rural context.
- 2) Identify the sociocultural and built environment factors that impact malnutrition in rural Appalachia.
- 3) Conduct Anthropometry and Built Environment analyses.
- 4) Identify the reasons for the success of certain interventions for rural obesity.
- 5) Design an intervention for malnutrition in a specific community of rural Appalachia.

Request for Graduate Course Addition - Page 3

7. COURSE OUTLINE (May be submitted as a separate document)

Week 1 What is Malnutrition?

Week 2 The Biology and Pathology of Obesity.

Week 3 Theoretical Framework for Malnutrition and Obesity: Social Ecological Framework

Week 4 Assessing Obesity: BMI and Anthropometry.

Week 5 Field Visit I: Conducting Malnutrition Assessments.

(Malnutrition Assessment Exercise Due)

Week 6 The Built Environment and Obesity. (Chapter 8, 14)

Week 7 The Social Environment and Obesity. (Introduction, Chapter 7)

Week 8 The Cultural Environment and Obesity. (Chapter 2, 4, 12)

Week 9 Field Visit II: Conducting a Built-Environment Analysis to determine access to healthy nutrition.

(Built Environment Analysis Due)

Week 10 Managing Obesity in Rural Appalachia. (Chapter 11)

Week 11 Peer-influence and social networks and social support. (Chapter 30)

Week 12 Nutritional Education in the Community: Healthy Eating. (Chapter 25)

Week 13 Obesity Treatment and Prevention in Appalachia. (Chapter 20)

Week 14 Community-Based Participatory Research. (Chapter 17)

(Identifying Social and Cultural Factors)

Week 15 Field Visit III: Intervening with Obesity in the Community with a Positive Deviance Approach.

Week 16 Sustainable Solutions for Health Equity and Malnutrition. (Chapter 21)

Week 17 (Design a Malnutrition Intervention)

8. SAMPLE TEXT(S) WITH AUTHOR(S) AND PUBLICATION DATES (May be submitted as a separate document)

Brennan, V. M., In Kumanyika, S. K., & In Zambrana, R. E. (2014). Obesity interventions in underserved communities: Evidence and directions. Baltimore: Johns Hopkins University Press. ISBN:978-1421415451.

9. EXAMPLE OF INSTRUCTIONAL METHODS (Lecture, lab, internship)

Lecture, videos, discussions, Field Visits.

Request for Graduate Course Addition - Page 4

10. EXAMPLE EVALUATION METHODS (CHAPTER, MIDTERM, FINAL, PROJECTS, ETC.)

Assessments and Final Proposed Intervention.

11. ADDITIONAL GRADUATE REQUIREMENTS IF LISTED AS AN UNDERGRADUATE/GRADUATE COURSE

Not Applicable.

12. PROVIDE COMPLETE BIBLIOGRAPHY (May be submitted as a separate document)

Brennan, V. M., In Kumanyika, S. K., & In Zambrana, R. E. (2014). Obesity interventions in underserved communities: Evidence and directions. Baltimore: Johns Hopkins University Press. ISBN:978-1421415451.

Dinour, L. M., Bergen, D., & Yeh, M. C. (2007). The food insecurity–obesity paradox: a review of the literature and the role food stamps may play. *Journal of the American Dietetic Association*, 107(11), 1952-1961.

Franklin, B., Jones, A., Love, D., Puckett, S., Macklin, J., & White-Means, S. (2012). Exploring mediators of food insecurity and obesity: a review of recent literature. *Journal of community health*, 37(1), 253-264.

Popkin, B. M., Paeratakul, S., Zhai, F., & Ge, K. (1995). A review of dietary and environmental correlates of obesity with emphasis on developing countries. *Obesity Research*, 3(S2), 145s-153s.

Prentice, A. M. (2006). The emerging epidemic of obesity in developing countries. *International journal of epidemiology*, 35(1), 93-99.

Shafique, S., Akhter, N., Stallkamp, G., de Pee, S., Panagides, D., & Bloem, M. W. (2007). Trends of under-and overweight among rural and urban poor women indicate the double burden of malnutrition in Bangladesh. *International Journal of Epidemiology*, 36(2), 449-457.

Tanumihardjo, S. A., Anderson, C., Kaufer-Horwitz, M., Bode, L., Emenaker, N. J., Haqq, A. M., ... & Stadler, D. D. (2007). Poverty, obesity, and malnutrition: an international perspective recognizing the paradox. *Journal of the American Dietetic Association*, 107(11), 1966-1972.

Uauy, R., Albala, C., & Kain, J. (2001). Obesity trends in Latin America: transiting from under-to overweight. *The Journal of nutrition*, 131(3), 893S-899S.

Request for Graduate Course Addition - Page 5

Please insert in the text box below your course summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Course Number and Title:

Catalog Description:

Prerequisites:

First Term Offered:

Credit Hours:

Department: Public Health

Course Number and Title: PH 685 Rural Health in Appalachia II: Malnutrition and Obesity

Catalog Description: Overview of the specific public health issues in the social, cultural and built environments of the Appalachian region leading to adult and childhood obesity and the evidence base for interventions.

Prerequisites: NONE

First Term Offered: Fall 2017

Credit Hours: 2

COURSE TITLE/NUMBER	Rural Health in Appalachia II: Malnutrition and Obesity/ PH685
SEMESTER/YEAR	Fall 2017
DAYS/TIME	TBD
CREDIT HOURS	2
LOCATION	TBD
INSTRUCTOR	MPH Faculty
OFFICE/PHONE	TBD
E-MAIL	TBD
OFFICE HOURS	TBD
CFE/UNIVERSITY POLICIES	By enrolling in this course, you agree to the <i>Marshall University Policies</i> , and thus it is essential that you understand them. Please review these at the Academic Affairs website: http://muwww-new.marshall.edu/academic-affairs/policies/

COURSE DESCRIPTION: FROM CATALOG

Overview of the specific public health issues in the social, cultural and built environments of the Appalachian region leading to adult and childhood obesity and the evidence base for interventions.

STUDENT LEARNING OUTCOMES IDENTIFIED IN THIS COURSE:

Upon completion of the course, students will:

- 1) Discuss the factors impacting on malnutrition in the rural context.
- 2) Identify the sociocultural and built environment factors that impact malnutrition in rural Appalachia.
- 3) Conduct Anthropometry and Built Environment analyses.
- 4) Identify the reasons for the success of certain interventions for rural obesity.
- 5) Design an intervention for malnutrition in a specific community of rural Appalachia.

COURSE STUDENT LEARNING OUTCOMES	HOW PRACTICED IN THIS COURSE	HOW ASSESSED IN THIS COURSE
1) Discuss the factors impacting on malnutrition in the rural context.	Lecture, discussions, Field Visits.	Assessments
2) Identify the sociocultural and built environment factors that impact malnutrition in rural Appalachia.	Lecture, videos, discussions, Field Visits.	Assessments and proposed intervention
3) Conduct Anthropometry and Built Environment analyses.	Lecture, videos, Field Visits.	Assessments
4) Identify the reasons for the success of certain interventions for rural obesity.	Lecture, discussions, Field Visits.	Assessments and proposed intervention
5) Design an intervention for malnutrition in a specific community of rural Appalachia.	Lecture, discussions, Field Visits.	Proposed intervention

REQUIRED TEXTS, ADDITIONAL READING, AND OTHER MATERIALS

Brennan, V. M., In Kumanyika, S. K., & In Zambrana, R. E. (2014). Obesity interventions in underserved communities: Evidence and directions. Baltimore: Johns Hopkins University Press. ISBN:978-1421415451.

RECOMMENDED MATERIALS

Dinour, L. M., Bergen, D., & Yeh, M. C. (2007). The food insecurity–obesity paradox: a review of the literature and the role food stamps may play. *Journal of the American Dietetic Association*, 107(11), 1952-1961.

Franklin, B., Jones, A., Love, D., Puckett, S., Macklin, J., & White-Means, S. (2012). Exploring mediators of food insecurity and obesity: a review of recent literature. *Journal of community health*, 37(1), 253-264.

Popkin, B. M., Paeratakul, S., Zhai, F., & Ge, K. (1995). A review of dietary and environmental correlates of obesity with emphasis on developing countries. *Obesity Research*, 3(S2), 145s-153s.

Prentice, A. M. (2006). The emerging epidemic of obesity in developing countries. *International journal of epidemiology*, 35(1), 93-99.

Shafique, S., Akhter, N., Stallkamp, G., de Pee, S., Panagides, D., & Bloem, M. W. (2007). Trends of under-and overweight among rural and urban poor women indicate the double burden of malnutrition in Bangladesh. *International Journal of Epidemiology*, 36(2), 449-457.

Tanumihardjo, S. A., Anderson, C., Kaufer-Horwitz, M., Bode, L., Emenaker, N. J., Haqq, A. M., ... & Stadler, D. D. (2007). Poverty, obesity, and malnutrition: an international perspective recognizing the paradox. *Journal of the American Dietetic Association*, 107(11), 1966-1972.

Uauy, R., Albala, C., & Kain, J. (2001). Obesity trends in Latin America: transiting from under-to overweight. *The Journal of nutrition*, 131(3), 893S-899S.

COURSE REQUIREMENTS

3 Assessments at 25% each = 75%
Design of Malnutrition Intervention 25%

GRADING POLICY

Grades will be determined by the following scale:

90-100	A
80-89	B
70-79	C
60-69	D
<60	F

Criteria for grading-

"A"- Student should demonstrate excellent knowledge in the topics covered and should participate actively in the classroom discussion, should be able to answer 90% or more of the questions in quizzes/exams correctly.

"B"- Student should demonstrate good knowledge in the topics covered and should participate actively in the classroom discussion, should be able to answer 80% or more of the questions in quizzes/exams correctly.

"C"- Student should demonstrate satisfactory knowledge in the topics covered and should participate actively in the classroom discussion, should be able to answer 70% or more of the questions in quizzes/exams correctly.

"D"- Student should demonstrate satisfactory knowledge in the topics covered, should be able to answer 60% or more of the questions in quizzes/exams correctly.

"F"- Student fails to demonstrate satisfactory knowledge in the topics covered, fails to participate actively in the classroom discussion, scores less than 60% of the questions in quizzes/exams.

ATTENDANCE POLICY

This class meets weekly. While attendance is not required, lectures may not be replicated on Blackboard, thus students are encouraged to maintain regular attendance.

ADDITIONAL POLICIES

1. **Accountable material and preparation.** Class sessions are conducted based on the expectation that students complete all appropriate readings and/or assignments as scheduled. This facilitates better questions, discussion, and learning. Exam and quiz questions may be based on both out-of-class assignments and material presented in class.
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4. **Academic integrity:** Students should refer to the Student Handbook to ensure understanding of policies concerning academic honesty and integrity, including plagiarism and cheating. Unless specified by the instructor, no electronic devices, notes, or other non-approved assistance is permitted during any exam.
5. **Disability accommodation.** The instructor will endeavor to accommodate students with a disability. It is requested that the student notify the instructor at the earliest

- possible time regard anticipated assistance which may be required.
6. **Vigilance.** Students are expected to access their MU e-mail address and MU On-line regularly for information related to the course.
 7. **Missed classes:** If you are absent, it is the student's responsibility to find out from a classmate what notes, handouts, assignments, or other course material you missed and to make arrangements to receive those.
 8. **Make-up assignments and exams:** Students who miss scheduled exams or assignments may make them up in the event of a University-excused absence or medical emergency. In any other situation, a student may request a make-up, but if the request is granted, such may be a different exam or assignment.
 9. **Office hours:** As posted and by appointment.
 10. **Inclement Weather:** If inclement weather results in class cancellation, students are directed to carefully review posted material posted for that session, as we will endeavor to maintain the planned course schedule, including exams which may include that content.
 11. **Reasonable change with notice.** In order to facilitate unforeseen circumstances, as well as act in the best interest of students and the university, the terms and schedule in this syllabus are subject to prudent change with reasonable notice.

Course Schedule

Week	Topic
1	What is Malnutrition?
2	The Biology and Pathology of Obesity.
3	Theoretical Framework for Malnutrition and Obesity: The Social Ecological Framework
4	Assessing Obesity: BMI and Anthropometry.
5	Field Visit I: Conducting Malnutrition Assessments.
	Malnutrition Assessment Exercise Due
6	The Built Environment and Obesity. (Chapter 8, 14)
7	The Social Environment and Obesity. (Introduction, Chapter 7)
8	The Cultural Environment and Obesity. (Chapter 2, 4, 12)
9	Field Visit II: Conducting a Built-Environment Analysis to determine access to healthy nutrition.
	Built Environment Analysis Due
10	Managing Obesity in Rural Appalachia. (Chapter 11)
11	Peer-influence and social networks and social support. (Chapter 30)
12	Nutritional Education in the Community: Healthy Eating. (Chapter 25)
13	Obesity Treatment and Prevention in Appalachia. (Chapter 20)
14	Community-Based Participatory Research. (Chapter 17)
	Identifying Social and Cultural Factors Assessment Due
15	Field Visit III: Intervening with Obesity in the Community with a Positive Deviance Approach.
16	Sustainable Solutions for Health Equity and Malnutrition. (Chapter 21)
	Design for Malnutrition Intervention Due

Request for Graduate Course Addition

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Health Professions

Dept/Division: Public Health

Alpha Designator/Number: PH 689

☒ Graded ☐ CR/NC

Contact Person: Paul Kadetz

Phone: 304-696-5772

NEW COURSE DATA:

New Course Title: Community Outreach in Rural Health

Alpha Designator/Number:

P H 6 8 9

Title Abbreviation:

C o m m u n i t y O u t r e a c h H e a l t h

(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

Applied and experiential course in designing and implementing a community health outreach project for the improvement of health in rural Appalachia.

Co-requisite(s): Not Applicable

First Term to be Offered: Spring 2018

Prerequisite(s): Not Applicable

Credit Hours: 3

Course(s) being deleted in place of this addition (must submit course deletion form): Not Applicable

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head

Mary E Mc... 4/25/18

Date 3/10/17

Registrar

Sonya... 1/29/18

Date 3-13-17

College Curriculum Chair

W... 1/26/18

Date 3/16/17

Graduate Council Chair

Christofero

Date 3-6-18

Request for Graduate Course Addition

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: Health ProfessionsDept/Division: Public HealthAlpha Designator/Number: PH 689☒ Graded ☐ CR/NCContact Person: Paul KadetzPhone: 304-696-5772**NEW COURSE DATA:**New Course Title: Community Outreach in Rural Health

Alpha Designator/Number:

P	H	6	8	9					
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Title Abbreviation:

C	o	m	m	u	n	i	t	y		O	u	t	r	e	a	c	h		H	e	a	l	t	h
---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---

(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

Applied and experiential course in designing and implementing a community health outreach project for the improvement of health in rural Appalachia.
--

Co-requisite(s): Not ApplicableFirst Term to be Offered: Spring 2018Prerequisite(s): Not ApplicableCredit Hours: 3Course(s) being deleted in place of this addition (*must submit course deletion form*): Not Applicable

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head _____

Date _____

Registrar _____

Date _____

College Curriculum Chair _____

Date _____

Graduate Council Chair _____

Date _____

Request for Graduate Course Addition - Page 2

College: Health Professions

Department/Division: Public Health

Alpha Designator/Number: PH 689

Provide complete information regarding the new course addition for each topic listed below. Before routing this form, a complete syllabus also must be attached addressing the items listed on the first page of this form.

1. FACULTY: Identify by name the faculty in your department/division who may teach this course.

Richard Crespo and MPH Faculty

2. DUPLICATION: If a question of possible duplication occurs, attach a copy of the correspondence sent to the appropriate department(s) describing the proposal. Enter "**Not Applicable**" if not applicable.

Not Applicable

3. REQUIRED COURSE: If this course will be required by another department(s), identify it/them by name. Enter "**Not Applicable**" if not applicable.

Not Applicable

4. AGREEMENTS: If there are any agreements required to provide clinical experiences, attach the details and the signed agreement. Enter "**Not Applicable**" if not applicable.

Not Applicable

5. ADDITIONAL RESOURCE REQUIREMENTS: If your department requires additional faculty, equipment, or specialized materials to teach this course, attach an estimate of the time and money required to secure these items. (Note: Approval of this form does not imply approval for additional resources.) Enter "**Not Applicable**" if not applicable.

Not Applicable

6. COURSE OBJECTIVES: (May be submitted as a separate document)

Upon completion of the course, students will:

- 1) have experienced community outreach for health in a rural context.
- 2) explain and discuss the causes of rural health disparities and the best observed interventions to address these disparities.
- 3) Compile a report of community interventions conducted and their outcomes.

Request for Graduate Course Addition - Page 3

7. COURSE OUTLINE (May be submitted as a separate document)

Week 1- Week 16 Community Outreach with Local NGO or Health Care Organization

Week 17 (Final Community Intervention Report Due)

8. SAMPLE TEXT(S) WITH AUTHOR(S) AND PUBLICATION DATES (May be submitted as a separate document)

Brownstein, J. N., Bone, L. R., Dennison, C. R., Hill, M. N., Kim, M. T., & Levine, D. M. (2005). Community health workers as interventionists in the prevention and control of heart disease and stroke. *American journal of preventive medicine*, 29(5), 128-133.

Israel, B. A., Parker, E. A., Rowe, Z., Salvatore, A., Minkler, M., López, J., ... & Potito, P. A. (2005). Community-based participatory research: lessons learned from the Centers for Children's Environmental Health and Disease Prevention Research. *Environmental health perspectives*, 1463-1471.

Norris, S. L., Chowdhury, F. M., Van Le, K., Horsley, T., Brownstein, J. N., Zhang, X., ... & Satterfield, D. W. (2006). Effectiveness of community health workers in the care of persons with diabetes. *Diabetic Medicine*, 23(5), 544-556.

Ramos, I. N., May, M., & Ramos, K. S. (2001). Field Action Report. *AJPH*.

9. EXAMPLE OF INSTRUCTIONAL METHODS (Lecture, lab, internship)

Community Public Health Outreach with an organization in the field.

Request for Graduate Course Addition - Page 4

10. EXAMPLE EVALUATION METHODS (CHAPTER, MIDTERM, FINAL, PROJECTS, ETC.)

Final Report of Community Interventions Performed and their outcomes.

11. ADDITIONAL GRADUATE REQUIREMENTS IF LISTED AS AN UNDERGRADUATE/GRADUATE COURSE

Not Applicable.

12. PROVIDE COMPLETE BIBLIOGRAPHY (May be submitted as a separate document)

Required

Brownstein, J. N., Bone, L. R., Dennison, C. R., Hill, M. N., Kim, M. T., & Levine, D. M. (2005). Community health workers as interventionists in the prevention and control of heart disease and stroke. *American journal of preventive medicine*, 29(5), 128-133.

Israel, B. A., Parker, E. A., Rowe, Z., Salvatore, A., Minkler, M., López, J., ... & Potito, P. A. (2005). Community-based participatory research: lessons learned from the Centers for Children's Environmental Health and Disease Prevention Research. *Environmental health perspectives*, 1463-1471.

Norris, S. L., Chowdhury, F. M., Van Le, K., Horsley, T., Brownstein, J. N., Zhang, X., ... & Satterfield, D. W. (2006). Effectiveness of community health workers in the care of persons with diabetes. *Diabetic Medicine*, 23(5), 544-556.

Ramos, I. N., May, M., & Ramos, K. S. (2001). Field Action Report. *AJPH*.

Witmer, A., Seifer, S. D., Finocchio, L., Leslie, J., & O'neil, E. H. (1995). Community health workers: integral members of the health care work force. *American journal of public health*, 85(8_Pt_1), 1055-1058.

Zuvekas, A., Nolan, L., Tumaylle, C., & Griffin, L. (1999). Impact of community health workers on access, use of services, and patient knowledge and behavior. *The Journal of ambulatory care management*, 22(4), 33-44.

Recommended

Ford, J. (2007). *Teens who make a difference in rural communities: Youth outreach organizations and community action*. Philadelphia: Mason Crest Publishers. ISBN: 978-1422200131.

Request for Graduate Course Addition - Page 5

Please insert in the text box below your course summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Course Number and Title:

Catalog Description:

Prerequisites:

First Term Offered:

Credit Hours:

Department: Public Health

Course Number and Title: PH 689 Community Outreach in Rural Health

Catalog Description: Applied and experiential course in designing and implementing a community health outreach project for the improvement of health in rural Appalachia.

Prerequisites: NONE

First Term Offered: Spring 2018

Credit Hours: 3

COURSE TITLE/NUMBER	Community Outreach in Rural Health/ PH689
SEMESTER/YEAR	Spring 2018
DAYS/TIME	TBD
CREDIT HOURS	3
LOCATION	TBD
INSTRUCTOR	Richard Crespo and MPH Faculty
OFFICE/PHONE	TBD
E-MAIL	TBD
OFFICE HOURS	TBD
CFE/UNIVERSITY POLICIES	By enrolling in this course, you agree to the <i>Marshall University Policies</i> , and thus it is essential that you understand them. Please review these at the Academic Affairs website: http://muwww-new.marshall.edu/academic-affairs/policies/

COURSE DESCRIPTION: FROM CATALOG

Applied and experiential course in designing and implementing a community health outreach project for the improvement of health in rural Appalachia.

STUDENT LEARNING OUTCOMES IDENTIFIED IN THIS COURSE:

Upon completion of the course, students will:

- 1) have experienced community outreach for health in a rural context.
- 2) explain and discuss the causes of rural health disparities and the best observed interventions to address these disparities.
- 3) Compile a report of community interventions conducted and their outcomes.

COURSE STUDENT LEARNING OUTCOMES	HOW PRACTICED IN THIS COURSE	HOW ASSESSED IN THIS COURSE
1) have experienced community outreach for health in a rural context.	Community Outreach	Field Report
2) explain and discuss the causes of rural health disparities and the best observed interventions to address these disparities.	Community Outreach and Discussions	Field Report
3) Compile a report of community interventions conducted and their outcomes.	Community Outreach and Discussions	Field Report

REQUIRED TEXTS, ADDITIONAL READING, AND OTHER MATERIALS

Brownstein, J. N., Bone, L. R., Dennison, C. R., Hill, M. N., Kim, M. T., & Levine, D. M. (2005). Community health workers as interventionists in the prevention and control of heart disease and stroke. *American journal of preventive medicine*, 29(5), 128-133.

Israel, B. A., Parker, E. A., Rowe, Z., Salvatore, A., Minkler, M., López, J., ... & Potito, P. A. (2005). Community-based participatory research: lessons learned from the Centers for Children's Environmental Health and Disease Prevention Research. *Environmental health perspectives*, 1463-1471.

Norris, S. L., Chowdhury, F. M., Van Le, K., Horsley, T., Brownstein, J. N., Zhang, X., ... & Satterfield, D. W. (2006). Effectiveness of community health workers in the care of persons with diabetes. *Diabetic Medicine*, 23(5), 544-556.

Ramos, I. N., May, M., & Ramos, K. S. (2001). Field Action Report. *AJPH*.

Witmer, A., Seifer, S. D., Finocchio, L., Leslie, J., & O'neil, E. H. (1995). Community health workers: integral members of the health care work force. *American journal of public health*, 85(8_Pt_1), 1055-1058.

Zuvekas, A., Nolan, L., Tumaylle, C., & Griffin, L. (1999). Impact of community health workers on access, use of services, and patient knowledge and behavior. *The Journal of ambulatory care management*, 22(4), 33-44.

RECOMMENDED MATERIALS

Ford, J. (2007). Teens who make a difference in rural communities: Youth outreach organizations and community action. Philadelphia: Mason Crest Publishers. ISBN: 978-1422200131.

COURSE REQUIREMENTS

Final Report of Community Interventions 100%

GRADING POLICY

Grades will be determined by the following scale:

90-100	A
80-89	B
70-79	C
60-69	D
<60	F

Criteria for grading-

“A”- Student should demonstrate excellent knowledge in the topics covered and should participate actively in the classroom discussion, should be able to answer 90% or more of the questions in quizzes/exams correctly.

“B”- Student should demonstrate good knowledge in the topics covered and should participate actively in the classroom discussion, should be able to answer 80% or more of the questions in quizzes/exams correctly.

“C”- Student should demonstrate satisfactory knowledge in the topics covered and should participate actively in the classroom discussion, should be able to answer 70% or more of the questions in quizzes/exams correctly.

“D”- Student should demonstrate satisfactory knowledge in the topics covered, should be able to answer 60% or more of the questions in quizzes/exams correctly.

“F”- Student fails to demonstrate satisfactory knowledge in the topics covered, fails to participate actively in the classroom discussion, scores less than 60% of the questions in quizzes/exams.

ATTENDANCE POLICY

This class meets weekly. While attendance is not required, lectures may not be replicated on Blackboard, thus students are encouraged to maintain regular attendance.

ADDITIONAL POLICIES

1. **Accountable material and preparation.** Class sessions are conducted based on the expectation that students complete all appropriate readings and/or assignments as scheduled. This facilitates better questions, discussion, and learning. Exam and quiz questions may be based on both out-of-class assignments and material presented in class.
2. **Electronic devices.** Electronic devices (smartphones, PDAs, laptops, etc.) can be a valuable asset in the classroom. However, if used inappropriately, these can be a distraction. Students should utilize these devices in class only for educational purposes, and are requested to be unobtrusive in their use (including silencing cell phone ringers). Please note that social media, “tweeting”, and real time chat are not appropriate in the classroom unless part of a classroom exercise.
3. **Intellectual property notice:** Many materials used in this class are copyrighted, while others represent content and product of the instructor and/or Marshall University. While students may share notes and engage in discussions regarding their work in the course, recording or distribution of course content is not permitted. Students should enquire of the instructor for clarification regarding exceptions.
4. **Academic integrity:** Students should refer to the Student Handbook to ensure understanding of policies concerning academic honesty and integrity, including plagiarism and cheating. Unless specified by the instructor, no electronic devices, notes, or other non-approved assistance is permitted during any exam.
5. **Disability accommodation.** The instructor will endeavor to accommodate students

with a disability. It is requested that the student notify the instructor at the earliest possible time regard anticipated assistance which may be required.

6. **Vigilance.** Students are expected to access their MU e-mail address and MU On-line regularly for information related to the course.
7. **Missed classes:** If you are absent, it is the student's responsibility to find out from a classmate what notes, handouts, assignments, or other course material you missed and to make arrangements to receive those.
8. **Make-up assignments and exams:** Students who miss scheduled exams or assignments may make them up in the event of a University-excused absence or medical emergency. In any other situation, a student may request a make-up, but if the request is granted, such may be a different exam or assignment.
9. **Office hours:** As posted and by appointment.
10. **Inclement Weather:** If inclement weather results in class cancellation, students are directed to carefully review posted material posted for that session, as we will endeavor to maintain the planned course schedule, including exams which may include that content.
11. **Reasonable change with notice.** In order to facilitate unforeseen circumstances, as well as act in the best interest of students and the university, the terms and schedule in this syllabus are subject to prudent change with reasonable notice.

Course Schedule

Week	Topic
1	Community Outreach in the Field with Local NGO or Health Care Organization
2	Community Outreach in the Field with Local NGO or Health Care Organization
3	Community Outreach in the Field with Local NGO or Health Care Organization
4	Community Outreach in the Field with Local NGO or Health Care Organization
5	Community Outreach in the Field with Local NGO or Health Care Organization
6	Community Outreach in the Field with Local NGO or Health Care Organization
7	Community Outreach in the Field with Local NGO or Health Care Organization
8	Community Outreach in the Field with Local NGO or Health Care Organization
9	Community Outreach in the Field with Local NGO or Health Care Organization
10	Community Outreach in the Field with Local NGO or Health Care Organization
11	Community Outreach in the Field with Local NGO or Health Care Organization
12	Community Outreach in the Field with Local NGO or Health Care Organization
13	Community Outreach in the Field with Local NGO or Health Care Organization
14	Community Outreach in the Field with Local NGO or Health Care Organization
15	Community Outreach in the Field with Local NGO or Health Care Organization
16	Community Outreach in the Field with Local NGO or Health Care Organization
	Final Community Intervention Report Due

Request for Graduate Course Change

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: COHP

Dept/Division: Public Health (MPH)

Current Alpha Designator/Number: PH 694

Contact Person: Paul Kadetz

Phone: 304-696-5772

CURRENT COURSE DATA:

Course Title: Practicum

Alpha Designator/Number:

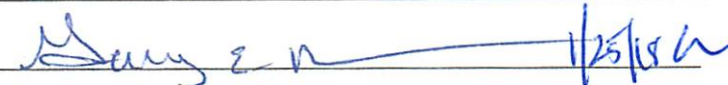


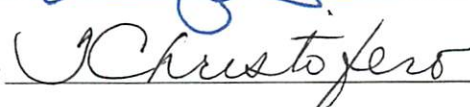
P H 6 9 4

Title Abbreviation:

P r a c t i c u m

1. Complete this five page form in its entirety and route through the departments/committees below for changes to a course involving: course title, alpha designator, course number, course content, credit hours, or catalog description.
2. If this change will affect other departments that require this course, please send a memo to the affected department and include it with this packet, as well as the response received from the affected department.
3. If the changes made to this course will make the course similar in title or content to another department's courses, please send a memo to the affected department and include it with this packet as well as the response received from the affected department.
4. List courses, if any, that will be deleted because of this change (*must submit course deletion form*).
5. If the faculty requirements and/or equipment need to be changed upon approval of this proposal, attach a written estimate of additional needs.

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head		Date	3/10/17
Registrar		Date	3-12-17
College Curriculum Chair		Date	3/16/17
Graduate Council Chair		Date	3-6-18

Request for Graduate Course Change - Page 2

College: COHP

Department/Division: Public Health (MPH)

Alpha Designator/Number: PH 694

Provide complete information regarding the course change for each topic listed below.

Change in CATALOG TITLE: ☐ YES ☒ NO

From

 (limited to 30 characters and spaces)

To

If Yes, Rationale

Change in COURSE ALPHA DESIGNATOR:

From:

 To:

☐ YES ☒ NO

If Yes, Rationale

Change in COURSE NUMBER: ☐ YES ☒ NO

From:

 To:

If Yes, Rationale

Change in COURSE GRADING

From ☐ Grade To ☐ Credit/No Credit

Rationale

Not Applicable

Change in CATALOG DESCRIPTION: ☒ YES ☐ NO IF YES, fill in below:

From

694 Practicum. 1-3 hrs. Applied public health experience conducted under guidance of a faculty advisor and site preceptor, including a specific set of proposed project and learning objectives, and utilizing a community partner. (PR: PH 611, 621, 641, 686, and 693)

To

694 Practicum. 3 hrs. Applied public health experience conducted under guidance of a faculty advisor and site preceptor, including a specific set of proposed project and learning objectives, and utilizing a community partner. (PR: PH 611, 621, 641, 686,
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If Yes
Rationale

This change to 3 credit hours more accurately reflects the amount of work expected for the practicum proposal and the hours spent completing the practicum.

Request for Graduate Course Change - Page 3

Change in COURSE CREDIT HOURS: ☒ YES ☐ NO If YES, fill in below:

NOTE: If credit hours increase/decrease, please provide documentation that specifies the adjusted work requirements.

From 1-3 Credit Hours

To 3 Credit Hours. This change to 3 credit hours more accurately reflects the amount of work expected for the practicum proposal and the hours spent completing the practicum.

Change in COURSE CONTENT: ☒ YES ☐ NO

From The Syllabus for PH 694 states in the Student learning Outcomes:

"Upon completion of the course, students will:

1. Complete a minimum of 160 hours of practical experience in which they demonstrate CEPH / ASPPH MPH competencies."

To "Upon completion of the course, students will:

1. Complete a minimum of 120 hours of practical experience in which they demonstrate CEPH / ASPPH MPH competencies."

Rationale A minimum of 120 hours for the practicum is in alignment with other MPH programs and is a more feasible amount of practicum hours to complete within 1 semester, than the current 160 hours.

Request for Graduate Course Change-Page 4

College: Health Professions

Department: Public Health (MPH)

Course Number/Title PH 694/Practicum

1. REQUIRED COURSE: If this course is required by another department(s), identify it/them by name and attach the written notification you sent to them announcing to them the proposed change and any response received. Enter NOT APPLICABLE if not applicable.

Not Applicable

2. COURSE DELETION: List any courses that will be deleted because of this change. A *Course Deletion* form is also required. Enter NOT APPLICABLE if not applicable.

Not Applicable

3. ADDITIONAL RESOURCE REQUIREMENTS: If your department requires additional faculty, equipment, or specialized materials as a result of this change, attach an estimate of the time and cost etc. required to secure these items. (NOTE: approval of this form does not imply approval for additional resources. Enter NOT APPLICABLE if not applicable.

Not Applicable

Request for Graduate Course Change - Page 5

Please insert in the text box below your course change summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings) based on the appropriate change:

COURSE DESCRIPTION CHANGE

Department:

Course Number and Title:

Rationale:

Course Description (old)

Course Description: (new)

Catalog Description:

COURSE NUMBER CHANGE

Department:

Current Course Number/Title:

New Course Number:

Rationale:

Catalog Description:

Credit hours:

COURSE TITLE CHANGE

Department:

Current Course Number/Title:

New Course Title:

Rationale:

Catalog Description:

COURSE DESCRIPTION CHANGE

Department: Public Health

Course Number and Title: PH 694 Practicum

Rationale: for Change in practicum hours

A minimum of 120 hours for the practicum is in alignment with other MPH programs and is a more feasible amount of practicum hours to complete within 1 semester, than the current 160 hours.

Rationale: for Change in credit hours

This change to 3 credit hours more accurately reflects the amount of work expected for the practicum proposal and the hours spent completing the practicum.

Course Description (old) 1-3 credit hours and in syllabus: "Upon completion of the course, students will:

1. Complete a minimum of 160 hours of practical experience in which they demonstrate CEPH / ASPPH MPH competencies."

Description: (new) 3 credit hours and in syllabus: "Upon completion of the course, students will:

1. Complete a minimum of 160 hours of practical experience in which they demonstrate CEPH / ASPPH MPH competencies."

Catalog Description: 694 Practicum. 3 hrs.

Applied public health experience conducted under guidance of a faculty advisor and site preceptor, including a specific set of proposed project and learning objectives, and utilizing a community partner. (PR: PH 611, 621, 641, 686, and 693)

Request for Graduate Course Change

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: COHP

Dept/Division: Public Health (MPH)

Current Alpha Designator/Number: PH 695

Contact Person: Paul Kadetz

Phone: 304-696-5772

CURRENT COURSE DATA:

Course Title: Research

Alpha Designator/Number:



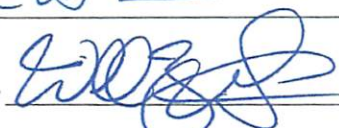
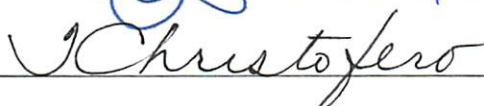
P H 6 9 5

Title Abbreviation:

R e s e a r c h

1. Complete this **five** page form in its entirety and route through the departments/committees below for changes to a course involving: course title, alpha designator, course number, course content, credit hours, or catalog description.
2. If this change will affect other departments that require this course, please send a memo to the affected department and include it with this packet, as well as the response received from the affected department.
3. If the changes made to this course will make the course similar in title or content to another department's courses, please send a memo to the affected department and include it with this packet as well as the response received from the affected department.
4. List courses, if any, that will be deleted because of this change (*must submit course deletion form*).
5. If the faculty requirements and/or equipment need to be changed upon approval of this proposal, attach a written estimate of additional needs.

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head		1/25/18	Date	3/10/17
Registrar		1/29/18	Date	3-7-17
College Curriculum Chair		1/26/18	Date	3/16/17
Graduate Council Chair			Date	3-6-18

College: COHP Department/Division: Public Health (MPH) Alpha Designator/Number: PH 695

Change in CATALOG TITLE: ☐ YES ☒ NO

[illegible]

If Yes, Rationale	
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From:

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 To:

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☐ YES ☒ NO

If Yes, Rationale	
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From:

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 To:

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If Yes, Rationale	
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From ☐ Grade To ☐ Credit/No Credit

Rationale	Not Applicable
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From

To	
----	--

If Yes Rationale	
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Request for Graduate Course Change - Page 3

Change in **COURSE CREDIT HOURS**: ☒ YES ☐ NO If YES, fill in below:

NOTE: If credit hours increase/decrease, please provide documentation that specifies the adjusted work requirements.

From 1-3 Credit Hours

To 3 Credit Hours. This change to 3 credit hours more accurately reflects the amount of work expected for the research proposal and the hours spent completing the research project.

Change in **COURSE CONTENT**: ☐ YES ☒ NO

From

To

Rationale

Request for Graduate Course Change-Page 4

College: Health Professions

Department: Public Health (MPH)

Course Number/Title PH 695/Research

1. REQUIRED COURSE: If this course is required by another department(s), identify it/them by name and attach the written notification you sent to them announcing to them the proposed change and any response received. Enter NOT APPLICABLE if not applicable.

Not Applicable

2. COURSE DELETION: List any courses that will be deleted because of this change. A *Course Deletion* form is also required. Enter NOT APPLICABLE if not applicable.

Not Applicable

3. ADDITIONAL RESOURCE REQUIREMENTS: If your department requires additional faculty, equipment, or specialized materials as a result of this change, attach an estimate of the time and cost etc. required to secure these items. (NOTE: approval of this form does not imply approval for additional resources. Enter NOT APPLICABLE if not applicable.

Not Applicable

Request for Graduate Course Change - Page 5

Please insert in the text box below your course change summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings) based on the appropriate change:

COURSE DESCRIPTION CHANGE

Department:

Course Number and Title:

Rationale:

Course Description (old)

Course Description: (new)

Catalog Description:

COURSE NUMBER CHANGE

Department:

Current Course Number/Title:

New Course Number:

Rationale:

Catalog Description:

Credit hours:

COURSE TITLE CHANGE

Department:

Current Course Number/Title:

New Course Title:

Rationale:

Catalog Description:

Not Applicable. This is a change is credit hours from a range of 1-3 credit hours to 3 credit hours.