

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: Nursing

Contact Person: Diana Stotts

Phone: 304-696-2623

Degree Program MSN Midwifery

Check action requested: Addition Deletion Change

Effective 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	<i>Jennie Jancy</i>	Date	<i>10/1/15</i>
	<i>Rodata Ferguson 10/6/15 Registrar</i>		
College Curriculum Chair	<i>Will Zed</i>	Date	<i>10/9/15</i>
College Dean	<i>Michael Powell</i>	Date	<i>10-12-15</i>
Graduate Council Chair	<i>Christofero</i>	Date	<i>12-3-15</i>
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)

National midwifery accreditation requires changes to reflect evidenced based information.

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)

NM 650 Integrated Midwifery Practicum (6 credits)

is being eliminated and

NMLB 651 Integrated Midwifery Internship (5 credits) Required

NM 652 Evidence-Based Practice Project (1 credit) Required

is being added.

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.

Not applicable

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)

Current - Page 139

Advanced Practice Midwifery Courses at Shenandoah University (19 credits) Hours

NM 610 Primary Care of Women

NM 620 Comprehensive Antepartal Care

NM 630 Midwifery Practicum

NM 640 Comprehensive Perinatal Care

NM 650 Integrated Midwifery Practicum

NM 660 Advanced Nurse-Midwifery Role Development

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.

Advanced Practice Midwifery Courses at Shenandoah University (19 credits) Hours

NM 610 Primary Care of Women

NM 620 Comprehensive Antepartal Care

NM 630 Midwifery Practicum

NM 640 Comprehensive Perinatal Care

~~NM 650 Integrated Midwifery Practicum~~

NMLB 651 Integrated Midwifery Internship

NM 652 Evidence-Based Practice Project

NM 660 Advanced Nurse-Midwifery Role Development

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)

Advanced Practice Midwifery Courses at Shenandoah University (19 credits) Hours

NM 610 Primary Care of Women

NM 620 Comprehensive Antepartal Care

NM 630 Midwifery Practicum

NM 640 Comprehensive Perinatal Care

NMLB 651 Integrated Midwifery Internship

NM 652 Evidence-Based Practice Project

NM 660 Advanced Nurse-Midwifery Role Development

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: Nursing

Major of Degree: MSN Midwifery

Type of Change: (addition, deletion, change)

Rationale: 1 course deleted and replaced with 2 courses to meet national accreditation requirements.

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

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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: Nursing _____

Contact Person: Diana Stotts _____ Phone: 304-696-2623 _____

Degree Program MSN Psychiatric Mental Health Nurse Practitioner

Check action requested: Addition Deletion Change

Effective 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 <u><i>[Signature]</i></u>	Date <u>10/11/15</u>
<u><i>[Signature]</i></u> Registrar	Date <u>10/19/15</u>
College Curriculum Chair <u><i>[Signature]</i></u>	Date <u>10-12-15</u>
College Dean <u><i>[Signature]</i></u>	Date <u>12-3-15</u>
Graduate Council Chair <u><i>[Signature]</i></u>	Date _____
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)

National certification has eliminated separate geriatric and child and adolescent psychiatric mental health examinations and now have psychiatric mental health nurse practitioner across the life span. Therefore both geriatric and child and adolescent courses are required.

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)

Only one of these classes was required, depending on your major.

PMH 685 Geriatric PMH Nursing (3 credits)

PMH 686 Child and Adolescent Nursing (3 credits)

Now both classes are required.

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.

Not applicable

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)

Current - Page 140

PMH 685 or 686 Geriatric PMH Nursing OR Child and Adolescent Nursing

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.

~~PMH 685 or 686 Geriatric PMH Nursing OR Child and Adolescent Nursing~~

PMH 685 Geriatric PMH Nursing

PMH 686 Child and Adolescent Nursing

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)

PMH 685 Geriatric PMH Nursing
PMH 686 Child and Adolescent Nursing

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: Nursing

Major of Degree: MSN Psychiatric Mental Health Nurse Practitioner

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

Rationale: Courses in geriatric and child and adolescents are both required to meet certification requirements.

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 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 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: Nursing _____

Contact Person: Diana Stotts _____

Phone: 304-696-2623 _____

Rationale for Request

Academic policies were revised to provide clarification of current policies and to be more just. For example with the current policy, the student can make a D in a class and stay in the program as long as the class is repeated. However if a student makes 6 hours of C, they are dismissed from the program.

(May attach separate page if needed)

Students must pass a background check and drug screen but no longer through the Certified Agency. Agencies change so the agency was eliminated.

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 _____ <i>Hanning</i>	Date <u>9/29/15</u>
Registrar _____ <i>Rubeta</i>	Date <u>10/6/15</u>
College Curriculum Committee Chair _____ (or Dean if no college curriculum committee) <i>Will</i>	Date <u>10/9/15</u>
Graduate Council Chair _____ <i>J Christofero</i>	Date <u>12-3-15</u>

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. (May attach separate page if needed)

Policies

Students in both the MSN and Post Master's Certificate programs are governed by policies stated in the Marshall University Graduate College Catalog. Policies specific to the nursing programs are as follows:

MSN General Academic Policies

1. All graduate academic policies apply to all MSN and post master's coursework. Students are required to review and download the current Graduate Catalog and MSN Handbook upon admission to the MSN program.
2. The School of Nursing reserves the right to administratively withdraw any nursing student whose health, academic record, clinical performance, or behavior is judged unsatisfactory.
3. A student who makes less than a C in a clinical course may not progress to the next sequential clinical course. The student must repeat the course the next time offered or within one year. He or she must earn a B or higher on the second attempt. Failure to earn a B or higher on the second attempt will result in dismissal from the program.
4. Students may repeat only one required course in which they have earned less than a C. The course in which the student earned the C can only be repeated once.
5. A student who earns 6 credits of a C in nursing courses will be dismissed from the program.
6. No more than 6 hours of C may be applied toward the MSN degree or post master's certificate.
7. If a student earns an F in any course, he or she will be dismissed from the program.
8. No grade below a C will be applied toward the MSN degree or post master's certificate.
9. Any student dismissed from the program may not reapply to the area of emphasis in which he or she was enrolled.
10. Students in the graduate program who fail to enroll for a semester without an approved leave of absence (LOA) are considered withdrawn from the program and are not eligible for future enrollment.
11. Students who do not follow the university procedure for withdrawal from a course will earn a grade of F for the course.
12. No more than twelve (12) credit hours may be accepted as transfer credit.
13. All students must have a 3.00 GP in their major to graduate and receive the MSN or post master's certificate.
14. A student must have an approved Plan of Study (POS) developed with his or her advisor prior to registering for any MSN class. Any deviation from the student's POS must be approved by his or her advisor. Failure to comply with this policy can result in an administrative withdrawal from a course.

Other Policies

1. Each student must submit a satisfactory health record prior to registering for his/her first nursing course with a clinical component.
 2. Each student is required to have an annual PPD screening test for Tuberculosis. Documentation of a one-time two-step TB test is also required.
 3. Each student must show evidence of the following prior to registering for any nursing course with a clinical component: (a) Current unencumbered professional nurse licensure in West Virginia and (b) Current certification in cardiopulmonary resuscitation.
 4. Students are responsible for own transportation to and from all clinical assignments.
 5. Students are required to be in professional attire for all clinical practicums and to wear a name pin. In addition, selected clinical agencies require a white lab coat.
 6. Students are required to pass and submit a background check and drug screen through www.Certifiedbackground.com. For additional information, contact the School of Nursing.
- For additional policies, see the Graduate Nursing Student Handbook.

Request for Graduate Non-Curricular Changes-Page 3

2. Edits to 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.

Policies

Students in both the MSN and Post Master's Certificate programs are governed by policies stated in the Marshall University Graduate College Catalog. Policies specific to the nursing programs are as follows:

MSN General Academic Policies

1. All graduate academic policies apply to all MSN and post master's coursework. Students are required to review and download the current Graduate Catalog and MSN Handbook upon admission to the MSN program.
2. The School of Nursing reserves the right to administratively withdraw any nursing student whose health, academic record, clinical performance, or behavior is judged unsatisfactory.
- ~~3. A student who makes less than a C in a clinical course may not progress to the next sequential clinical course. The student must repeat the course the next time offered or within one year. He or she must earn a B or higher on the second attempt. Failure to earn a B or higher on the second attempt will result in dismissal from the program.~~
3. A student who earns a D in a required clinical/practicum course may not progress to the next sequential clinical course. The student must repeat the course the next time offered or within one year. He or she must earn a B or higher on the second attempt. Failure to earn a B or higher on the second attempt will result in dismissal from the program.
4. A student who earns a D in a required nonclinical/practicum course must repeat the course the next time offered or within one year. He or she must earn a B or higher on the second attempt. Failure to earn a B or higher on the second attempt will result in dismissal from the program.
- ~~4. Students may repeat only one required course in which they have earned less than a C. The course in which the student earned the C can only be repeated once.~~
- ~~5. A student who earns 6 credits of a C in nursing courses will be dismissed from the program.~~
- ~~6. No more than 6 hours of C may be applied toward the MSN degree or post master's certificate.~~
5. A student is permitted to repeat only one nursing course in the process of completing the MSN program. Earning a second D in any course will result in dismissal from the program.
6. All grades of C or less are counted in computing averages, but no more than six hours of C and no grades below C may be applied toward a graduate degree or post-master's certificate. (From Graduate Catalog)
7. A student who earns 9 credits of a C in nursing courses will be dismissed from the program.
8. If a student earns an F in any course, he or she will be dismissed from the program.
- ~~9. No grade below a C will be applied toward the MSN degree or post master's certificate.~~
9. Any student dismissed from the program may not reapply to the area of emphasis in which he or she was enrolled.

10. Students in the graduate program who fail to enroll for a semester without an approved leave of absence (LOA) are considered withdrawn from the program and are not eligible for future enrollment.

11. Students who do not follow the university procedure for withdrawal from a course will earn a grade of F for the course.

12. No more than twelve (12) credit hours may be accepted as transfer credit.

For graduate certificate programs, transfer credits may not exceed 6 credit hours. The grades earned in the classes to be transferred must be a B or better. Graduate credits transferred from other institutions will not become a part of the Grade Point Average recorded on the student's Marshall University transcript and will simply meet credit hour requirements toward graduation. (From Graduate Catalog)

13. All students must have a 3.00 GPA in their major to graduate and receive the MSN or post master's certificate. (From Graduate Catalog)

14. A student must have an approved Plan of Study (POS) developed with his or her advisor prior to registering for any MSN class. Any deviation from the student's POS must be approved by his or her advisor. Failure to comply with this policy can result in an administrative withdrawal from a course.

Other Policies

1. Each student must submit a satisfactory health record prior to registering for his/her first nursing course with a clinical component.

2. Each student is required to have an annual PPD screening test for Tuberculosis. Documentation of a onetime two step TB test is also required.

3. Each student must show evidence of the following prior to registering for any nursing course with a clinical component: (a) Current unencumbered professional nurse licensure in West Virginia and (b) Current certification in cardiopulmonary resuscitation.

4. Students are responsible for own transportation to and from all clinical assignments.

5. Students are required to be in professional attire for all clinical practicums and to wear a name pin. In addition, selected clinical agencies require a white lab coat.

6. Students are required to pass and submit a background check and drug screen through www.certifiedbackground.com.

For additional information, contact the School of Nursing.

For additional policies, see the Graduate Nursing Student Handbook.

Graduate Council Request for 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. (May attach separate page if needed)

Students in both the MSN and Post Master's Certificate programs are governed by policies stated in the Marshall University Graduate College Catalog. Policies specific to the nursing programs are as follows:

MSN General Academic Policies

1. All graduate academic policies apply to all MSN and post master's coursework. Students are required to review and download the current Graduate Catalog and MSN Handbook upon admission to the MSN program.
2. The School of Nursing reserves the right to administratively withdraw any nursing student whose health, academic record, clinical performance, or behavior is judged unsatisfactory.
3. A student who earns a D in a required clinical/practicum course may not progress to the next sequential clinical course. The student must repeat the course the next time offered or within one year. He or she must earn a B or higher on the second attempt. Failure to earn a B or higher on the second attempt will result in dismissal from the program.
4. A student who earns a D in a required nonclinical/practicum course must repeat the course the next time offered or within one year. He or she must earn a B or higher on the second attempt. Failure to earn a B or higher on the second attempt will result in dismissal from the program.
5. A student is permitted to repeat only one nursing course in the process of completing the MSN program. Earning a second D in any course will result in dismissal from the program.
6. All grades of C or less are counted in computing averages, but no more than six hours of C and no grades below C may be applied toward a graduate degree or post-master's certificate. (From Graduate Catalog)
7. A student who earns 9 credits of a C in nursing courses will be dismissed from the program.
8. If a student earns an F in any course, he or she will be dismissed from the program.
9. Any student dismissed from the program may not reapply to the area of emphasis in which he or she was enrolled.
10. Students in the graduate program who fail to enroll for a semester without an approved leave of absence (LOA) are considered withdrawn from the program and are not eligible for future enrollment.
11. Students who do not follow the university procedure for withdrawal from a course will earn a grade of F for the course.
12. No more than twelve (12) credit hours may be accepted as transfer credit. For graduate certificate programs, transfer credits may not exceed 6 credit hours. The grades earned in the classes to be transferred must be a B or better. Graduate credits transferred from other institutions will not become a part of the Grade Point Average recorded on the student's Marshall University transcript and will simply meet credit hour requirements toward graduation. (From Graduate Catalog)
13. All students must have a 3.00 GPA in their major to graduate and receive the MSN or post master's certificate. (From Graduate Catalog)
14. A student must have an approved Plan of Study (POS) developed with his or her advisor prior to registering for any MSN class. Any deviation from the student's POS must be approved by his or her advisor. Failure to comply with this policy can result in an administrative withdrawal from a course.

Graduate Council Request for Non-Curricular Changes-Page 5

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

Type of change request:

Department:

Degree program:

Effective date (*Fall/Spring/Summer, Year*)

Type of change request: Academic policy revisions

Department: Nursing

Degree program: MSN

Effective date: Fall 2016

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 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 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: Nursing

Contact Person: Diana Stotts

Phone: 304-696-2623

Rationale for Request

Changing application deadlines will give the School of Nursing Graduate Academic Planning and Standards committee time to process and orient new students before the end of fall and spring semesters.

(May attach separate page if needed)

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 <u><i>[Signature]</i></u>	Date <u>9/29/15</u>
Registrar <u><i>[Signature]</i></u>	Date <u>10/6/15</u>
College Curriculum Committee Chair (or Dean if no college curriculum committee) <u><i>[Signature]</i></u>	Date <u>10/2/15</u>
Graduate Council Chair <u><i>[Signature]</i></u>	Date <u>12-3-15</u>

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. (May attach separate page if needed)

Deadline

Completed application by October 1 and April 1 of each year.

Request for Graduate Non-Curricular Changes-Page 3

2. Edits to 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.

Deadline

Completed application by ~~October 1~~ **September 15** and ~~April 1~~ **March 15** of each year.

Graduate Council Request for 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. (May attach separate page if needed)

Deadline

Completed application by September 15 and March 15 of each year.

Graduate Council Request for Non-Curricular Changes-Page 5

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

Type of change request:

Department:

Degree program:

Effective date (*Fall/Spring/Summer, Year*)

Type of change request: Admission deadline

Department: Nursing

Degree program: MSN

Effective date: Fall 2016

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. (May attach separate page if needed)

Current Learning Outcomes

Graduates of the MSN program will:

- apply knowledge from the sciences and the humanities to support advanced nursing practice, nursing administration, and role development;
- expand knowledge of theories used by nurses as a basis for advanced practice nursing or in the administration of clinical services;
- develop expertise in a specialized area of clinical nursing practice or in the administration of clinical services;
- acquire the knowledge and skills related to a specific functional role in nursing;
- acquire initial competence in conducting research;
- acquire the knowledge and skills to influence change in the health care system and in the practice and delivery of health care;
- further develop and implement leadership strategies for betterment of health care;
- actively engage in collaborative relationships with others for the purpose of improving health care;

Approved by SON: 09/01/89

Revised by SON: 03/24/97

Revised by NFO: 08/17/98

Revised by NFO: 01/25/99

Revised 01/03

Revised 01/04

Revised 4/09

1 NLN. (1987). Characteristics of nursing education leading to a master's degree. NY: Author.

Request for Graduate Non-Curricular Changes-Page 3

2. Edits to 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.

Current Learning Outcomes

Graduates of the MSN program will:

- apply knowledge from the sciences and the humanities to support advanced nursing practice, nursing administration, and role development;
- expand knowledge of theories used by nurses as a basis for advanced practice nursing or in the administration of clinical services;
- develop expertise in a specialized area of clinical nursing practice or in the administration of clinical services;
- acquire the knowledge and skills related to a specific functional role in nursing;
- acquire initial competence in conducting research;
- acquire the knowledge and skills to influence change in the health care system and in the practice and delivery of health care;
- further develop and implement leadership strategies for betterment of health care;
- actively engage in collaborative relationships with others for the purpose of improving health care;

Approved by SON: 09/01/89

Revised by SON: 03/24/97

Revised by NFO: 08/17/98

Revised by NFO: 01/25/99

Revised 01/03

Revised 01/04

Revised 4/09

¹ NLN. (1987). *Characteristics of nursing education leading to a master's degree*. NY: Author.

PROPOSED

Outcome 1: The graduate identifies clinical problems and develops practical solutions/guidelines utilizing current theory, research, and critical and creative thinking.

Outcome 2: The graduate applies specialized knowledge in the individual areas of emphasis (Nursing Administration (NA), Nursing Education (NE), Family Nurse Practitioner (FNP), Nurse Midwife (NMW), and Psychiatric/Mental Health Nurse Practitioner (PMHNP))

Outcome 3: Graduates will perform activities of selected roles in alignment with clinical practice standards and a professional code of ethics.

Graduate Council Request for 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. (May attach separate page if needed)

PROPOSED

Outcome 1: The graduate identifies clinical problems and develops practical solutions/guidelines utilizing current theory, research, and critical and creative thinking.

Outcome 2: The graduate applies specialized knowledge in the individual areas of emphasis (Nursing Administration (NA), Nursing Education (NE), Family Nurse Practitioner (FNP), Nurse Midwife (NMW), and Psychiatric/Mental Health Nurse Practitioner (PMHNP)

Outcome 3: Graduates will perform activities of selected roles in alignment with clinical practice standards and a professional code of ethics.

Graduate Council Request for Non-Curricular Changes-Page 5

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

Type of change request:

Department:

Degree program:

Effective date (*Fall/Spring/Summer, Year*)

Type of change request: Learning Outcome

Department: Nursing

Degree program: MSN

Effective date: Fall 2016

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: PharmacyDept/Division: Pharmacy PracticeAlpha Designator/Number: PHAR712 Graded CR/NCContact Person: Brittany RileyGlen AndersonPhone: 304-696-73962305

NEW COURSE DATA:

New Course Title: Pharmacist and Patient-Centered Diabetes Care

Alpha Designator/Number:

P H A R 7 1 2

Title Abbreviation:

C a p s t o n e d i a b e t e s c a r e

(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

Diabetes Care capstone

Co-requisite(s): NoneFirst Term to be Offered: Spring 2016Prerequisite(s): P3 StandingCredit Hours: 1Course(s) being deleted in place of this addition (must submit course deletion form): None

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

Dept. Chair/Division Head <u><i>Glen Anderson</i></u>	Date <u>9/29/15</u>
Registrar <u><i>Roberta Ferguson</i></u> 512001	Date <u>12/7/15</u>
College Curriculum Chair <u><i>[Signature]</i></u>	Date <u>9/29/15</u>
Graduate Council Chair <u><i>Tracy Christofero</i></u>	Date <u>12-3-15</u>

Request for Graduate Course Addition - Page 2

College: Pharmacy

Department/Division: Pharmacy

Alpha Designator/Number: PHAR712

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.

Brittany Riley, PharmD, BCPS

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)

1. Provide comprehensive instruction in current standards of care for patients with diabetes
2. Increase confidence in serving as the drug therapy expert on the diabetes health care team
3. Refresh knowledge of the pathophysiology of diabetes and the acute and long-term complications of the disease
4. Become familiar with important concepts in nutrition, exercise, and weight control that contribute to optimal diabetes care
5. Providing training on the use of diabetes-related devices and physical assessment involved with optimal diabetes care
6. Describe business opportunities and roles for pharmacists in improving health outcomes for patients with diabetes

Request for Graduate Course Addition - Page 3

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

Oral medications for Type 2 diabetes

Insulin Therapy

Nutrition/lifestyle concepts

Hands-on (insulin injection, pen devices, glucose meters, foot exam, blood pressure)

Opportunities in diabetes care

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

ApHA Documentation

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

Active learning environment, self-study

Request for Graduate Course Addition - Page 4

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

Exams, skills-check off, active learning

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

Not applicable

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

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: Pharmacy Practice

Course Number and Title: The Pharmacist and Patient-Centered Diabetes Care PHRXXX

Catalog Description: Diabetes Care Capstone

Prerequisites: P3 Standing

First Term Offered: Spring 2015

Credit Hours:1

SYLLABUS
The Pharmacist and Patient-Centered Diabetes Care
Pharm 712
Spring 2015

School of Pharmacy

This syllabus is not to be construed as a contract with the student and is subject to change.

The School of Pharmacy reserves the right to change the course syllabus. *The School should notify the students through the course notification system or by an email preferably through the Blackboard system.*

Some materials used in this class may be copyrighted and should not be shared with individuals not enrolled in this course.

Course meeting days and time	Monday, May 11 8am-5pm
Location	Studio Classroom L10
Team Leader / Instructor	Brittany Riley, PharmD, BCPS
Office	152A
Phone	304-696-7396
Email	Warrick2@marshall.edu
Office hours	Wednesdays 1pm-2pm

Student: If the instructor accepts appointments, then please email the instructor for availability. The student can expect the instructor to respond to E-mails and phone messages within 72 hours.

Course Description: Diabetes is a huge burden on patients and the health-care system. Upon successful completion of this course the student will receive the American Pharmacists Association (APhA) Pharmacist and Patient-Centered Care Certificate training.

Prerequisites: P3 Standing

Text Books: None. All students will be provided access to the APhA self-study modules prior to beginning course. It is required to have a turning point clicker in all class sessions.

Course Objectives:

Number	Objective	Linkage to MUSOP Abilities	How Assessed
1	Provide comprehensive instruction in current standards of care for patients with diabetes		Patient Cases, Exams
2	Increase confidence in serving as the drug therapy expert on the diabetes health care team		Patient Cases, Exams
3	Refresh knowledge of the pathophysiology of diabetes and the acute and long-term complications of the disease.		Exams
4	Become familiar with important concepts in nutrition, exercise, and weight control that contribute to optimal diabetes care		Patient Cases, Exams
5	Provide training on the use of diabetes-related		Skills check off

	devices and physical assessments involved with optimal diabetes care		
6	Describe business opportunities and roles for pharmacists in improving health outcomes for patients with diabetes		Exams

Schedule of Activities:

Date	Meeting Format	Meeting Topic	Course Student Learning Outcomes	Instructor
5/11/15 8am-10am	Studio Classroom	Comprehensive Care Needs and Treating Type 2 Diabetes	<ul style="list-style-type: none"> • Evaluate the overall health status of patients with diabetes in terms of recommended monitoring and interventions, and formulate strategies for closing gaps in patient care • Differentiate among the medications available for the treatment of type 2 diabetes • Explain currently accepted approaches to managing type 2 diabetes • Propose modifications to a patient's drug therapy regimen rooted in evidence-based algorithms for diabetes management 	Riley
5/11/15 11am-12pm	Studio Classroom	Insulin Therapy	<ul style="list-style-type: none"> • Recommend appropriate starting regimens for insulin • Recommend modifications to insulin regimens based on results of self-monitoring of blood glucose 	Riley
5/11/15 1pm-3pm	Studio Classroom	Nutrition and Lifestyle Counseling for Patients	<ul style="list-style-type: none"> • Apply concepts and recommendations from current dietary, physical activity, and weight management guidelines to the specific needs of patients with diabetes • Discuss basic concepts of carbohydrates counting and meal planning for patients with diabetes 	Riley
5/11/15 3pm-	Studio Classroom	Hands-on Skills	<ul style="list-style-type: none"> • Demonstrate proper technique for measuring 	Riley

	devices and physical assessments involved with optimal diabetes care		
6	Describe business opportunities and roles for pharmacists in improving health outcomes for patients with diabetes		Exams

Schedule of Activities:

Date	Meeting Format	Meeting Topic	Course Student Learning Outcomes	Instructor
5/11/15 8am-10am	Studio Classroom	Comprehensive Care Needs and Treating Type 2 Diabetes	<ul style="list-style-type: none"> • Evaluate the overall health status of patients with diabetes in terms of recommended monitoring and interventions, and formulate strategies for closing gaps in patient care • Differentiate among the medications available for the treatment of type 2 diabetes • Explain currently accepted approaches to managing type 2 diabetes • Propose modifications to a patient's drug therapy regimen rooted in evidence-based algorithms for diabetes management 	Riley
5/11/15 11am-12pm	Studio Classroom	Insulin Therapy	<ul style="list-style-type: none"> • Recommend appropriate starting regimens for insulin • Recommend modifications to insulin regimens based on results of self-monitoring of blood glucose 	Riley
5/11/15 1pm-3pm	Studio Classroom	Nutrition and Lifestyle Counseling for Patients	<ul style="list-style-type: none"> • Apply concepts and recommendations from current dietary, physical activity, and weight management guidelines to the specific needs of patients with diabetes • Discuss basic concepts of carbohydrates counting and meal planning for patients with diabetes 	Riley
5/11/15 3pm-	Studio Classroom	Hands-on Skills	<ul style="list-style-type: none"> • Demonstrate proper technique for measuring 	Riley

5pm			blood pressure, administering injections, obtaining fingerstick samples for blood glucose monitoring, operating blood glucose meters, and performing monofilament foot testing
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Letter grades distribution: A = 89.50 to 100%
 B = 79.50 to less than 89.50%
 C = 69.50 to less than 79.50%
 F = Less than 69.50

Course Evaluation (grading):

Point Distribution:

Assessment	Points	Date
Pre-Work	20	Due 5/11/15 at 8am
Active Learning Experiences	20	5/11/15
Hands-Off Skill Check Off	20	5/11/15
Post Course Exam	20	Due 5/14/15 at midnight
Completion of Certificate Requirements	20	Due 5/14/15 at midnight
Total	100	

Course Evaluation (assessment):

Student Evaluation:

Survey: each student will have the opportunity to evaluate each instructor as well as course content via the school's universal evaluation survey

Faculty Evaluation:

Faculty members participating in the course will attend class as often as possible to evaluate overall performance

Assignment and examination grades will be posted in Blackboard within 7 days unless otherwise stated.

Attendance policy: *Each student is required to attend class. Attendance is mandatory at graded events. Only excused absences accepted – see university and school policies.*

Late-work policy: It is the expectation that all work is turned in on time according to the deadlines set forth in the syllabus. Unless discussed with the instructor prior to the due date a point will be deducted from the assignment grade for each day the assignment is late.

UNIVERSITY POLICIES

University policies regarding Academic Dishonesty, Students with Disabilities, University Computing Services' Acceptable Use, Affirmative Action, and Sexual Harassment can be found at: <http://www.marshall.edu/wpmu/academic-affairs/policies/>.

School of Pharmacy Policies

SOCIAL JUSTICE POLICY STATEMENT

Marshall University is committed to bringing about mutual understanding and respect among all individuals and groups at the University. As part of Marshall University, School of Pharmacy has made a commitment to social justice. Therefore, no one will be discriminated against on the basis of race, gender, ethnicity, age, sexual orientation, religion, social class, or differing viewpoints. Each student will be viewed as a valuable member of his class and as the faculty for the course, I will strive to facilitate an atmosphere/learning environment where mutual understanding and respect are actualized.

ACADEMIC, ETHICAL, AND PROFESSIONAL CONDUCT

Student expectations for academic, ethical, and professional conduct are defined within the school's [Ethical and Professional Conduct Policy](#) and the university's [Academic Dishonesty Policy](#).

Second Chance and Remediation Policy

Second chance and remediation are mechanisms designed to assist students who have struggled within the classroom environment in demonstrating achievement of classroom and curricular learning outcomes. These processes are described in sections 200.001.003 (Second Chance) and 200.001.004 (Remediation) of the [Academic Standards for Grading, Progressions, Dismissal, and Re-admission Policy](#).

Test Security Policy

In order to ensure the security of all examinations, the School of Pharmacy has adopted the following policies:

I. Test Administration

A. Non-electronic testing

- a. Students may not access any electronic equipment during the exam that has not been provided by the faculty, including but not limited to calculators, cell phones, laptops and PDAs.

B. Electronic testing

- a. Only those resources (electronic or otherwise) approved by the instructor may be used or accessed during the testing session.
- b. Students enrolled within courses using electronic testing must download and install the [Respondus Lockdown Browser](#). The installation will require an installation code that must be acquired from Computing Services.

II. Test Review

A. Students will not be allowed to view any exam without direct supervision of course faculty or site facilitator

B. Students must review tests within time specified by the course faculty.

C. Limited numbers of students may be allowed to view the exam at one time depending on office size, space, and faculty preference.

D. Students will be allowed to review the exam only one time, and time limits may be placed on review as specified by course faculty.

E. NO notes can be taken by the student while reviewing the test, and students are not allowed to access any electronics while reviewing the tests. NO copies electronic or written!

F. Individual student printouts for exams are to be retained by the faculty.

G. Faculty have the right to place further restrictions on test review as deemed necessary.

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- F. Individual student printouts for exams are to be retained by the faculty.
- G. Faculty have the right to place further restrictions on test review as deemed necessary.

Request for Graduate Course Addition - Page 2

College: Pharmacy

Department/Division: SOP

Alpha Designator/Number: PHAR 891

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.

H. Glenn Anderson Jr., Pharm.D.
Kim Broedel-Zaugg, Ph.D.

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)

1. Develop a professional network and market skills, experience, and competencies (behavior competency).
2. Document continuous professional development and demonstrate practice readiness (skill competency).
3. Demonstrate readiness for NAPLEX licensure examination (knowledge competency).

Request for Graduate Course Addition - Page 3

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

1. 1/14/2016 - 3/1/2016: ePortfolio Development
2. 1/14/2016 - 3/15/2016: High Yield MedReview engagement, self-assessment, and improvement
3. 4/1/2016: Pre-NAPLEX Examination
4. 5/2/2016: NAPLEX Preparation (onsite directed by HighYield MedReview)
5. 5/3/2016: NAPLEX Preparation (onsite directed by HighYield MedReview)
6. 5/4/2016: MJPE Preparation (onsite directed by MUSOP faculty)

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

1. High Yield MedReview sign in (<http://www.highyieldmedreviews.com>, acquired from Academic Affairs) – students must sign in prior to 2/2/2016 or be subject to course dis-enrollment.

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

Date	Time	Meeting	Format	Meeting Topic	Course	Student Learning Outcomes	Instructor
1/14 - 3/1/2016		Scheduled	by student	ePortfolio development;	one-on-one mentoring/reflection/experiential	faculty advisors/course instructors	
5/2/2015	8:00 AM – 5:00 PM	Lecture/discussion		NAPLEX Preparation	TBA	HighYield Med Reviews Staff	
5/3/2015	8:00 AM – 5:00 PM	Lecture/discussion		NAPLEX Preparation	TBA	HighYield Med Reviews Staff	
5/4/2015	8:00 AM – 5:00 PM	Lecture/discussion		MJPE Preparation	TBA	Dr. Brian Gallagher; Dr. Tammy White	

Request for Graduate Course Addition - Page 4

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

Linked In page - rubric

ePortfolio - rubric

Pre-NAPLEX - online exam, 100 items taken from past NAPLEX examinations

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

Not Applicable"

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

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:

School of Pharmacy
PHAR 891 - Pharmacy Capstone
Course Description: Pharmacy capstone experience where students are challenged to demonstrate acquisition of pharmacy skill, knowledge, and behavior competency.
Prerequisites - P4 standing
Spring 2015
4 SCH



www.marshall.edu

School of Pharmacy

SYLLABUS Pharmacy Capstone PHAR 891 (Spring Semester, 2016)

This syllabus is not to be construed as a contract with the student and is subject to change.

The School of Pharmacy reserves the right to change the course syllabus. *The School should notify the students through the course notification system or by an email preferably through the Blackboard system.*

Course meeting days and time	To be announced
Location	LO10
Team Leader / Instructor	H. Glenn Anderson Jr., Pharm.D.
Office	CEB 135
Phone	304-696-2305
Email	Glenn.anderson@marshall.edu
Office hours	By appointment

Faculty	Email	Office	Phone Number	Office Hours / Appointments accepted?
Kim Broedel-Zaugg, M.B.A., Ph.D.	broedelzaugg@marshall.edu	CEB 134	304-696- 2306	By appointment

Student: If the instructor accepts appointments, then please email the instructor for availability. The student can expect the instructor to respond to E-mails and phone messages within 72 hours.

Course Description: Pharmacy capstone experience where students are challenged to demonstrate acquisition of pharmacy skill, knowledge, and behavior competency.

Prerequisites: P4 standing

Text Books:

Required:

1. High Yield MedReview sign in (acquired from Academic Affairs) – students **must sign in prior to 2/2/2016** or be subject to course disenrollment.

Course Objectives: Following completion of this course of study, the student will:

Number	Objective	Linkage to MUSOP Abilities (list ability numbers)	How Assessed
1	Develop a professional network and market skills, experience, and competencies (behavior competency).	27, 28	Assessment of LinkedIn profile. Rubric based scoring.
2	Document continuous professional development and demonstrate practice readiness (skill competency).	38, 46, 62	Assessment of ePortfolio developed by student. Rubric based scoring.
3	Demonstrate readiness for NAPLEX licensure examination (knowledge competency).	37, 38	Attendance at required class meetings; completion of required course materials/exams. Completion of High-Yield MedReviews materials (http://www.highyieldmedreviews.com) and assessment using the Pre-NAPLEX exam (http://www.nabp.net/programs/examination/pre-naplex/)

Schedule of Activities: (Instructor: List each day class meets, exam schedule, major project schedule, map learning outcomes to course objective or MUSOP abilities.)

Date	Time	Meeting Format	Meeting Topic	Course Student Learning Outcomes	Instructor
5/2/2015	8:00 AM – 5:00 PM	Lecture/discussion	NAPLEX Preparation	TBA	HighYield Med Reviews Staff
5/3/2015	8:00 AM – 5:00 PM	Lecture/discussion	NAPLEX Preparation	TBA	HighYield Med Reviews Staff
5/4/2015	8:00 AM – 5:00 PM	Lecture/discussion	MJPE Preparation	TBA	Dr. Brian Gallagher; Dr. Tammy White

Course Evaluation (grading):

Point or Percentage Distribution: At each class, each student will be assigned a randomly selected identifier for class participation; classroom attendance mandatory.

Course Grading:	LinkedIn Profile	30%
	ePortfolio Assessment*	30%
	Attendance/Participation at Required Course Meetings*	10%
	Pre-NAPLEX Exam Score*	30%
*	Major assessments	

Letter grades distribution: A = 89.50 to 100% = A
 B = 79.50 to less than 89.50%
 C = 69.50 to less than 79.50%
 F = Less than 69.50%

Course Evaluation (assessment): *See above*

Assignment and examination grades will be posted in Blackboard within 7 days unless otherwise stated.

Attendance policy: Each student is required to attend class. Attendance is mandatory at graded events. Only excused absences accepted – see university and school policies.

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Second Chance and Remediation Policy

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Test Security Policy

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- a. Students may not access any electronic equipment during the exam that has not been provided by the faculty, including but not limited to calculators, cell phones, laptops and PDAs.

B. Electronic testing

- a. Only those resources (electronic or otherwise) approved by the instructor may be used or accessed during the testing session.
- b. Students enrolled within courses using electronic testing must download and install the [Respondus Lockdown Browser](#). The installation will require an installation code that must be acquired from Computing Services.

2. Test Review

- A. Students will not be allowed to view any exam without direct supervision of course faculty or site facilitator
- B. Students must review tests within time specified by the course faculty.
- C. Limited numbers of students may be allowed to view the exam at one time depending on office size, space, and faculty preference.
- D. Students will be allowed to review the exam only one time, and time limits may be placed on review as specified by course faculty.
- E. NO notes can be taken by the student while reviewing the test, and students are not allowed to access any electronics while reviewing the tests. NO copies electronic or written!
- F. Individual student printouts for exams are to be retained by the faculty.
- G. Faculty have the right to place further restrictions on test review as deemed necessary.

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: Medicine Dept/Division: Pharmacology, Ph Alpha Designator/Number: PHS 667 Graded CR/NC

Contact Person: Todd L. Green, Ph.D. Phone: 304-696-3531

NEW COURSE DATA:

New Course Title: Experimental Approaches to Physiology

Alpha Designator/Number: PHS 667

Title Abbreviation: Experimental Appr to Phys

(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

This course introduces students to the fundamental principles and research underlying the normal functioning of the cardiovascular, respiratory, renal, endocrine, reproductive, nervous, and gastrointestinal systems.

Co-requisite(s): _____ First Term to be Offered: Spring 2016

Prerequisite(s): BMS 601 and BMS 602 [?] _{or} consent of instructor Credit Hours: 4

Course(s) being deleted in place of this addition (must submit course deletion form): _____

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

Dept. Chair/Division Head <u>GDR</u>	Date <u>10/14/15</u>
Registrar <u>Roberta Ferguson</u> 260 707	Date <u>10/16/15</u>
College Curriculum Chair <u>Todd L. Green</u>	Date <u>10/14/15</u>
Graduate Council Chair <u>Tracy Christofero</u>	Date <u>12-3-15</u>

Request for Graduate Course Addition - Page 2

College: Medicine Department/Division: Pharmacology, Physiology Alpha Designator/Number: PHS 667

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.

Piyali Dasgupta, Todd Green, Lawrence Grover, Jung Han Kim, Jiang Liu, Elsa Mangiarua, William McCumbee

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)

See attached syllabus.

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

See attached syllabus.

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

See attached syllabus.

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

Lecture, group discussion

Request for Graduate Course Addition - Page 4

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

Exams, in-class presentations, papers, experimental design

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

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

Medical Physiology - A Systems Approach
Journal of Physiology
Journal of Applied Physiology
Nature
Proceedings of the National Academy of Sciences, USA
Science

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: Pharmacology, Physiology, & Toxicology

Course Number and Title: PHS 667, Experimental Approaches to Physiology

Catalog Description: This course introduces students to the fundamental principles and research underlying the normal functioning of the cardiovascular, respiratory, renal, endocrine, reproductive, nervous, and gastrointestinal systems.

Prerequisites: BMS 601 and BMS 602 or consent of instructor

First Term Offered: Spring 2016

Credit Hours: 4

Experimental Approaches to Physiology

PHS 667

SPRING 2016

SYLLABUS

Course Description: 4 Credit Hours

Experimental Approaches to Physiology introduces research students to the fundamental principles underlying the normal functioning of the cardiovascular, respiratory, renal, endocrine, reproductive, nervous and gastrointestinal systems. Emphasis is placed on preparing students to critically discuss normal physiological processes and evaluate the contributions of specific research papers to our understanding of physiology.

Prerequisites: BMS 601 and 602 or permission of the instructor.

Faculty:

Course Director: William D. McCumbee, Ph.D., Department of Pharmacology, Physiology and Toxicology. Room 435N BSC, 696-7366, mccumbee@marshall.edu

The faculty teaching this course will be members of the Department of Pharmacology, Physiology and Toxicology who have training and expertise in the various disciplines that make up the field of physiology.

There are no set office hours, so faculty should be contacted to arrange a meeting time.

Course goal

The goal of this course is to provide research students with a basic knowledge of how the various systems that make up the mammalian body function and the skills necessary to critically discuss these systems and evaluate research being conducted in the field of physiology.

Course Objectives

Upon the completion of this course the student will be able to:

1. Explain the essential concepts underlying normal functions of the cardiovascular, respiratory, renal, endocrine, reproductive, nervous and gastrointestinal systems.
2. Describe how events at the cellular, subcellular and molecular level of organization affect the functions of tissue and organs.
3. Describe how regulatory mechanisms maintain homeostasis and lead to integrated responses involving multiple organ systems.
4. Analyze and interpret data published in research papers in the field of physiology.
5. Use graphs and diagrams to explain and discuss basic concepts in physiology and research articles.
6. Critique research papers in physiology and assess their relative contribution to our understanding of the physiological principles being investigated by the authors.

Time and Location

Classes will meet from 3:00 PM - 4:50 PM on Tuesdays and Thursdays in BBSC 433.

Resources

- Required Textbook: H. Raff and M. Levitzky. *Medical Physiology, a Systems Approach*. McGraw-Hill Medical, 2011. ISBN 9780071621731
- Selected research papers published in the field of physiology
- Additional course materials will be posted on MUOnline.

Course Outline

Week one

- Membrane physiology
- Cardiac and smooth muscle function
- Electrophysiology of the heart
- Cardiac excitation

Week two

- Ventricular function
- Cardiac cycle
- Properties of the vasculature and hemodynamics

Week three

- Microcirculation
- Regulation of cardiovascular function
- Cardiac output and venous return

Week four

- Special circulation
- Respiratory mechanics
- Alveolar ventilation
- Arterial blood gases

Week five

- Blood gas transport
- Pulmonary circulation
- Control of respiration
- Diffusion of gases

Week six

- V/Q mismatch
- Integration of cardiopulmonary function during exercise
- Body Fluid compartments
- Functional organization of the kidney and urinary tract

Week seven

- Glomerular filtration
- Tubular function
- Control of Na⁺ and water excretion

Week eight

- Regulation of H⁺
- Acid-base balance
- Control of blood pressure
- MID-TERM EXAM

Week nine

- Organization of the endocrine system

- Calcium homeostasis
- Glucose homeostasis
- Pituitary function

Week ten

- Somatic growth
- Thyroid gland function
- Adrenal gland function

SPRING BREAK

Week eleven

- Male reproductive function
- Female reproductive function
- Fertilization
- Physiological adaptations to pregnancy

Week twelve

- Physiology of the neuron
- Cerebrospinal fluid and the blood brain barrier
- Somatosensory system
- Special senses

Week thirteen

- Autonomic nervous system
- Descending control of movements
- Spinal cord and brainstem physiology
- Diencephalon

Week fourteen

- Cerebral cortex
- Cerebellum
- Basal ganglia
- Limbic system

Week fifteen

- Gastric motility
- Gastric secretion
- Digestion and absorption

FINAL EXAM

Course Activities

Faculty will present lectures, give demonstrations of research techniques and monitor and assess student activities.

Each student will:

- (1) Give a lecture on a basic physiological concept for which he/she will create graphs and diagrams to help explain the concept. In addition the student will include material from a research paper that supports or supplements their presentation.
- (2) Lead a group discussion on a current research paper in the field of physiology.
- (3) Write a critical assessment of research paper. He/she will write a short summary of the paper in which the authors' hypothesis is identified. He/she will analyze the strengths and weaknesses of the paper, the appropriateness of the experimental design, provide specific suggestions that will improve the paper and assess the relative significance of the paper.
- (4) Complete a written exercise in which he/she forms a hypothesis regarding a specific physiological concept and describes the experiments necessary to test this hypothesis, giving a rationale for each proposed experiment.
- (5) Participate in class discussions.

Grading

Grades are based on the percentage of the total available points. The performance of other students in the course will not affect your grade.

Letter Grade	Percent
A	90 – 100
B	80 – 89
C	70 – 79
D	60 – 69
F	< 60

Assessment

There will be two written examinations: one at midterm, and a final exam at the end of the course. Exams will include a variety of question types. The final exam will not be cumulative. In addition, students will be graded on two written activities and two oral presentations. The distribution of points for these activities is given in the following table.

Assessment	Points	% of Grade
Exam 1	165	33
Exam 2	165	33
Lecture presentation	45	9
Written critique of research paper	40	8
Leading a discussion on a research paper	40	8
Designing an experiment	45	9
TOTAL	500	100

Assessing outcomes

Student Learning Outcomes	How Outcome Will Be Practiced	How Outcome Will Be Assessed
Explain physiological concepts	In-class discussion	Exams, written exercises, oral presentations
Describe functions at different levels of organization	In-class discussion	Exams, written exercises, oral presentations
Describe regulatory mechanisms	In-class discussion	Exams, written exercises, oral presentations
Analyze and interpret research data	In-class discussion	Written exercises, oral presentations
Use graphs and diagrams to explain concepts to peers	In-class discussion	Oral presentations
Critique a research paper	In-class discussion	Written exercise

COURSE POLICIES

Attendance

Attendance is expected.

Examination Policy

1. Answers to test questions must be typed.
2. Students are required to take examinations at the time and date indicated in the course schedule. Only **under truly exceptional circumstances** will a student be permitted to take an examination at a time other than during the scheduled examination period. Exceptional circumstances include: death or serious illness in the immediate family, childbirth, illness requiring hospitalization and illness serious enough to warrant a written dispensation from a physician. Minor illnesses are **NOT** exceptional circumstances. A written doctor's excuse stating the nature of the illness will be given to the course director within 24 hours after the scheduled exam period. After receiving the doctor's excuse, the course director will discuss rescheduling the exam with the student.

Other Policies

By enrolling in this course, you agree to abide by the University policies listed below. Please read the full text of each policy by going to www.marshall.edu/academic-affairs and clicking on "Marshall University Policies".

Academic Dishonesty

Academic dishonesty will not be tolerated. Policy AA-12 defines academic dishonesty and describes the sanctions associated with it.

Inclement Weather

Policy GA-9 describes the policy on weather-related and/or emergency closings and delays. As this is an afternoon class, we will not be affected by delays. Information concerning the University status during inclement weather or emergencies will be available on local radio and television channels, or calling (304) 696-3170 or (304) 696-HELP.



University Computing Services Acceptable Use Policy
MUBOG Policy IT-1 explains this policy
(<http://www.marshall.edu/president/board/policies.html>).

Cell Phone Use

Cell phone use, including texting, will not be tolerated in the class, unless authorized by the instructor. If special circumstances exist such that a student needs to be in contact with family members or friends during a class, please inform the instructor before the class begins. Permissions will be granted on a case-by-case basis and at the sole discretion of the instructor. If a student persists in using cell phones, including texting, after they have been asked to stop, the student will be removed from the class.