

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: COLA

Dept/Division: GEOGRAPHY

Alpha Designator/Number: GEO 524

☒ Graded ☐ CR/NC

Contact Person: Hilton Cordoba

Phone: (304) 696-4627

NEW COURSE DATA:

New Course Title: Transportation Geography

Alpha Designator/Number:

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Title Abbreviation:

T	R	A	N	S	P	O	R	T	A	T	I	O	N		G	E	O	G	R	A	P	H	Y	
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(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

A geographic analysis of transportation and its spatial organization. Concepts, models, and analytical methods related to traffic demand, network configuration, and allocation of transport facilities are covered.

Co-requisite(s): NONE

First Term to be Offered: FALL 2019

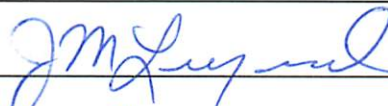
Prerequisite(s): NONE

Credit Hours: 3

Course(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.

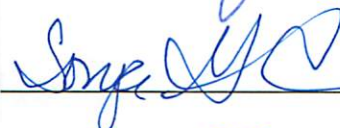
Dept. Chair/Division Head



Date



Registrar



Date



College Curriculum Chair



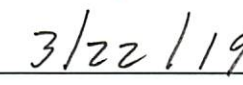
Date



Graduate Council Chair



Date



Request for Graduate Course Addition - Page 2

College: COLA

Department/Division: GEOGRAPHY

Alpha Designator/Number: GEO 524

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.

Hilton Cordoba, Jonathan Kozar, James Leonard

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.

Class can be taught with current faculty members and resources.

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

- Discuss spatial organization concepts such as linkage, node, hierarchy, and hinterland.
- Discuss the evolution of transport modes: trains, ships, airplanes, auto.
- Apply network analysis techniques.
- Apply spatial interaction and location-allocation models.
- Analyze urban transport systems.
- Discuss the impact of transportation and current issues.

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)

J.P. Rodrigue, C. Comtois, B. Slack, The Geography of Transport Systems. (2017). 4th Edition.

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

Attached

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

Attached

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

- Students will submit three reviews of research articles.
- Student will select one of the techniques or model covered in class and use it to assess a local transport facility or system.

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

Attached

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: Geography

Course Number and Title: GEO 524 Transportation Geography

Catalog Description: A geographic analysis of transportation and its spatial organization. Concepts, models, and analytical methods related to traffic demand, network configuration, and allocation of transport facilities are covered.

Prerequisites: None

First Term Offered: Fall 2019

Credit Hours: 3

Bibliography

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**Geography Department
College of Liberal Arts
Marshall University**

Course Information

Course Title: Transportation Geography
Course #: GEO 524
Sect #: 201
CRN: 3362
Credit Hours: 3
Pre-requisites: None
Co-requisites: None
Term: Fall 2019

Meeting Information

Campus: Huntington
Classroom: HH 236
Days: Tuesday
Time: 4:00PM to 6:20PM

Instructor Information

Instructor: Hilton A. Córdoba, Ph.D.
Office: HH 210
Office Hours: T: 11:30AM – 12:30PM & 2:00PM – 4:00PM
 R: 11:30AM – 12:30PM & 2:00PM – 4:00PM
 And by appointment
E-mail: cordoba@marshall.edu
Phone: (304) 696-4627

University Policies	By enrolling in this course, you agree to 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.” Or, you can access the policies directly by going to www.marshall.edu/academic-affairs/policies/ . Academic Dishonesty/Excused Absence Policy for Undergraduates/Computing Services Acceptable Use/Inclement Weather/Dead Week/Students with Disabilities/Academic Forgiveness/Academic Probation and Suspension/Academic Rights and Responsibilities of Students/Affirmative Action/Sexual Harassment
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Course Policies

Attendance will be recorded and will be incorporated in your final grade. See weight details in the course evaluation criteria.

Late entries, make-ups, or retakes for assignments are not accepted. Make-ups for missed assignments are granted only under extreme circumstances, for which the student is required to document her/his reason.

Incomplete grades are granted only under extreme circumstances, for which the student is required to document his or her case. After documenting your case, I will only grant an incomplete grade if at the time you stopped attending class you had a passing score (i.e. 70% or better).

Catalog Description

A geographic analysis of transportation and its spatial organization. Concepts, models, and analytical methods related to traffic demand, network configuration, and allocation of transport facilities are covered.

Course Description

The course presents a review of the geography of transportation. Four major sets of ideas are discussed: 1) Introduction to Spatial Organization (Spatial organization using concepts of linkage, node, hierarchy, and hinterland. Selected economic explanations and models of trade. Spatial interaction (gravity) models.) 2) Network Analysis (Aggregate or descriptive measures and Disaggregate or detailed descriptive measures.) 3) Allocation Methods (examples of optimal flow, the aim is to achieve efficient flows within a given network), and 4) Urban Transportation (Introduction to selected urban transportation problems.)

Course Objectives:

Course student learning outcomes	How students will practice each outcome in this course	How student achievement of each outcome will be assessed in this course
Discuss spatial organization concepts such as linkage, node, hierarchy, and hinterland.	Discussion questions.	Discussion questions, and quiz questions.
Discuss the evolution of transport modes: rail, sea, air, auto.	Discussion questions.	Discussion questions, and quiz questions.
Apply network analysis techniques.	In class demonstrations and lab sessions.	Lab exercises, quiz questions.
Apply spatial interaction and location-allocation models.	In class demonstrations and lab sessions.	Lab exercises, quiz questions.
Analyze urban transport systems.	In class demonstrations and lab sessions.	Lab exercises, quiz questions.
Discuss the impact of transportation and current issues.	Discussion questions.	Discussion questions, and quiz questions.

Textbook:

J.P. Rodrigue, C. Comtois, B. Slack, *The Geography of Transport Systems*, 4th Edition.

Classroom Etiquette

- 1) In order to enhance and maintain a productive atmosphere for education, **personal communication devices such as cellular telephones are to be ***turned off*** in class sessions.**
- 2) Please arrive on time! If you happened to be late, please **enter the classroom quietly and minimize all noise** as you settle in your seat.
- 3) If you plan to leave class early, please **inform me** of your expected departure time, otherwise, you will be marked absent.
- 4) All in-class discussions will be conducted in a respectful manner.

Netiquette: When emailing me-

- 1) Show that you have manners and include a simple salutation (“hello” will suffice).
- 2) Provide your class information (i.e. I’m in your TR or MW at xx time).
- 3) When asking for something, please do so politely.
- 4) If I feel that your question can best be answered in person, I will ask you to come see me during office hours or to schedule a Skype meeting/phone call.
- 5) If the answer to your inquiry can be found in the syllabus, I will reply with “see syllabus”.
- 6) If you email me anytime from Monday through Friday, expect a reply within 24 hours. Expect a longer return on weekends and holidays.
- 7) You will be expected to log into Blackboard every week to keep-up with announcements, assessment materials, and grades.

Course Evaluation Method

Assignment	Quantity	Value (points)	Total (points)	Percentage
Quizzes	13	25	325	41%
Labs	6	25	150	19%
Discussion Questions	7	20	140	18%
Article Critiques	3	25	75	9%
Application Project	1	100	100	13%
Grand Total			790	100%

Quizzes

There will be 13 quizzes and they will cover lecture material, assigned readings, and labs.

Labs

There will be 6 labs, and you will have one week to complete each. Do not expect to complete all of your lab work during the scheduled lab time. You will need to dedicate time outside of class to completing your labs.

Discussion Questions

Each week a list of questions on the required readings and documentaries will be posted to Blackboard. The responses to the questions are due at the beginning of class for the day they are assigned.

Article Critiques

You will select three research article from peer-reviewed journals and write a critical review for each one. The topic for each article is of your choice, but must deal with the themes discussed in class. Detailed instructions available in Blackboard.

Application Project

You will select one of the techniques or model covered in class and use it to assess a local transport facility or system. Detailed instructions available in BlackBoard

Grading Scale

You will accumulate points throughout the semester and the final grade/point distribution will be as follows:

A 650-585 100% to 90%

B 584-520 89% to 80%

C 519-455 79% to 70%

D 454-390 69% to 60%

F 389-0 59% to 0%

Tentative Schedule of Topics

Date	Topic	Assignments Due	Required Readings	Companion Readings
20-Aug	Course Overview		Syllabus	
Unit I				
27-Aug	Transportation & Spatial Organization I	Discussion Questions 1 Lecture Quiz 1	Available in Blackboard	Rodrigue, Chs. 1, 2
3-Sep	Transportation & Spatial Organization II	Discussion Questions 2 Lecture Quiz 2	Available in Blackboard	Rodrigue, Chs. 1, 2
10-Sep	Evolution of Transportation I	Discussion Questions 3 Lecture Quiz 3	Available in Blackboard	Rodrigue, Chs. 3, 4
17-Sep	Evolution of Transportation II	Discussion Questions 4 Article Critique 1 Lecture Quiz 4	Available in Blackboard	Rodrigue, Chs. 3, 4
Unit II				
24-Sep	Spatial Interaction I	Lab 1 Lecture Quiz 5		Rodrigue, Ch. 10
1-Oct	Spatial Interaction II	Lab 2 Lecture Quiz 6		Rodrigue, Ch. 10
8-Oct	Network Analysis I	Lab 3 Lecture Quiz 7		Rodrigue, Ch. 10
15-Oct	Network Analysis II	Lab 4 Lecture Quiz 8		Rodrigue, Ch. 10
22-Oct	Allocation Models	Lab 5 Article Critique 2 Lecture Quiz 9		Rodrigue, Ch. 10
Unit III				
29-Oct	Urban Transport I	Discussion Questions 5 Lecture Quiz 10	Available in Blackboard	Rodrigue, Chs. 7, 9
5-Nov	Urban Transport II	Lab 6 Lecture Quiz 11		Rodrigue, Chs. 7, 9
12-Nov	Transport Impacts & Sustainability I	Discussion Questions 6 Lecture Quiz 12	Available in Blackboard	Rodrigue, Ch. 8
19-Nov	Transport Impacts & Sustainability II	Discussion Questions 7 Article Critique 3 Lecture Quiz 13	Available in Blackboard	Rodrigue, Ch. 8
26-Nov	No class: Thanksgiving Break			
3-Dec	Reflections/Discussion	Application Project		

Example of Instructional Method

Lab 1

Assignment:

The countries of Mexico, Guatemala, Belize and Honduras have joined forces to develop a 'tourism' road network between notable Mayan archaeological sites of Central America. Their aim is to facilitate the movement of tourists between these sites by offering direct highway connections.

Your assignment is to assess the connectivity of this network and offer a future expansion recommendation based on your spatial analysis. Please answer the following questions (and show all work) based on the attached map of Central America representing this 'planar' network.

Full Network Measures

1. Is this network a 'minimally connected network'?
2. How many edges would be needed to establish a 'maximally connected network'?
3. What is the 'diameter' of this network?
4. Calculate the 'gamma index' for this network.
5. Would this network represent a 'spinal', 'grid' or 'delta' network configuration?

Money is budgeted for a new road, however planners are trying to decide the added benefit of a new addition.

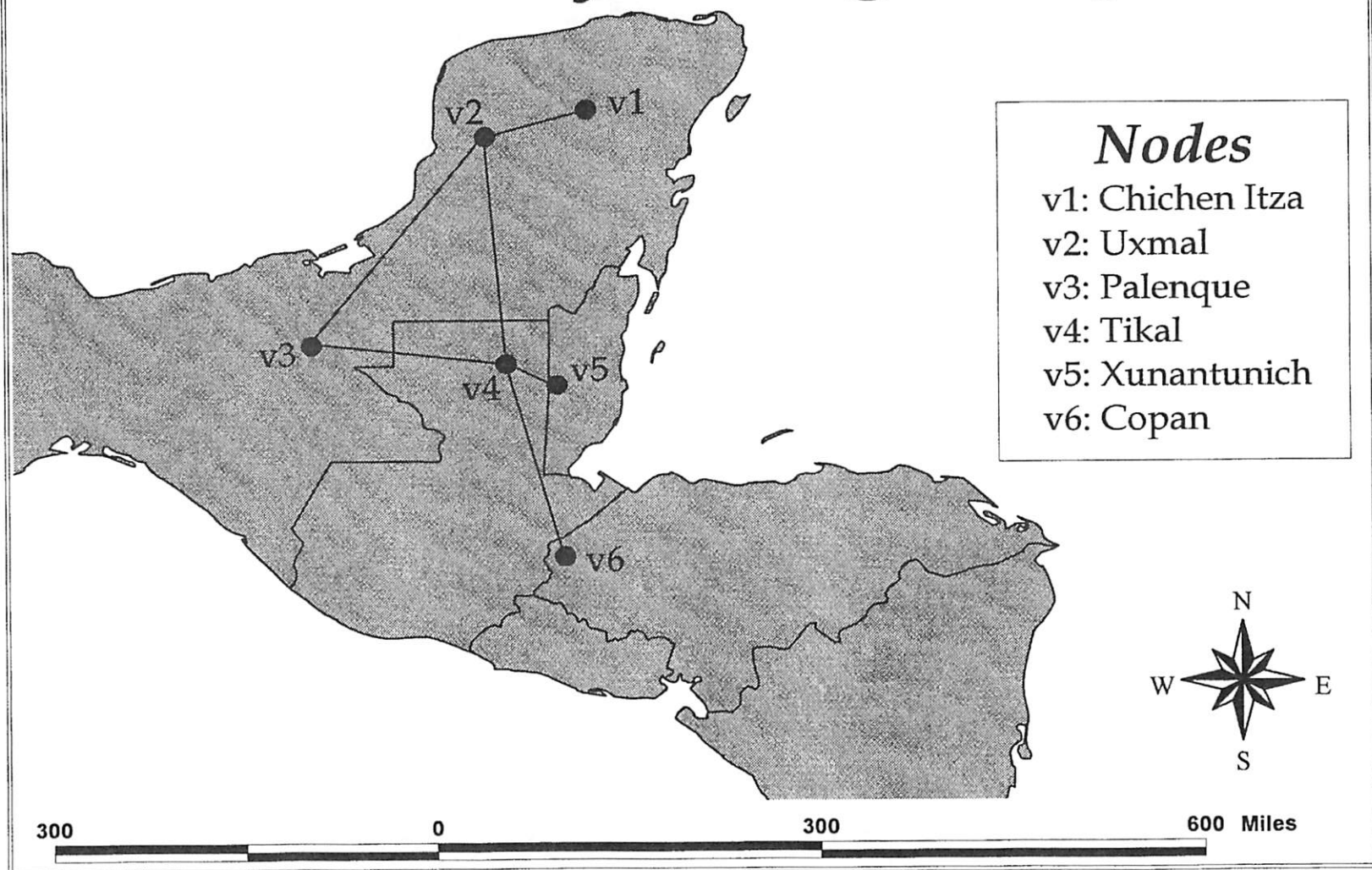
6. Calculate the 'gamma index' if a linkage were to connect V1 and V4.
7. What percent increase would this result in over the original network's 'gamma index'?
8. Calculate the 'gamma index' if linkages were to connect V1 to V4 and V3 to V6.
9. What percent increase would this result in over the original network's 'gamma index'?

Individual Network Measures

10. Calculate a 'connectivity' matrix (C-matrix) for the original network—only at the C1 level.
11. Describe the procedure that would be necessary to calculate a 'total connectivity' matrix (T-matrix) for the original network. You do not have to perform the calculations, but merely show that you understand the process.

12. After a T-matrix is calculated, which node has the highest degree of accessibility within the network? The node with the highest row total or the node with the lowest row total?
13. Calculate a Shimbel distance matrix (D-matrix) for the original network.

The Maya Highway



Example of Evaluation Method

Article Critiques

Objective:

The goal of this activity is to give you an opportunity to evaluate a research paper. You might have done some article summaries or even critical evaluation of some resources. However, this activity is unique because you evaluate a research article from a methodology perspective.

Task:

For this assignment you summarize and evaluate three peer-reviewed research articles dealing either with a geographical concept, methodology, application of technique, or any of thematic issues covered in class. However, the study area or subjects in the research must be in or from Latin America. After you find an article that you would like to review, send a copy to your instructor for approval. Also, please note that not all three reviews are due at the same time, so refer to the syllabus for individual submission deadlines.

This assignment has two components: a summary section, where you write a brief (maximum 1 page) summary of the article in your own words. Do not use copy and paste try to rephrase. Address the following questions:

- 1 What is (are) the research problem(s)/goal (s)?
- 2 What is (are) the research question(s) (or hypothesis)?
- 3 Is the research important? Why?
- 4 In your own words, what methods and procedures were used?
- 5 Describe the sample (if any) or data used in this study.
- 6 Describe the reliability and validity of all the instruments (if any) used.
- 7 How was the data analyzed?
- 8 What is (are) the major finding(s)? Are these findings important?

In the critique section, you evaluate the article using the following questions. Note, I only expect you to answer the questions that are highlighted. I listed many more questions simply because I would like you to learn what to look for when evaluating a research article. Finally, some questions will be more relevant to some articles than others.

Introduction Section

- 1 Is there a statement of the problem?
- 2 Is the problem "researchable"? That is, can it be investigated through the collection and analysis of data?
- 3 Is background information on the problem presented?
- 4 Is the educational significance of the problem discussed?

- 5 Does the problem statement indicate the variables of interest and the specific relationship between those variables which are investigated? When necessary, are variables directly or operationally defined?

Review of Related Literature

- 1 Is the review comprehensive?
- 2 Are all cited references relevant to the problem under investigation?
- 3 Are most of the sources primary, i.e., are there only a few or no secondary sources?
- 4 Have the references been critically analyzed and the results of various studies compared and contrasted, i.e., is the review more than a series of abstracts or annotations?
- 5 Does the review conclude with a brief summary of the literature and its implications for the problem investigated?
- 6 Do the implications discussed form an empirical or theoretical rationale for the hypotheses which follow?

Hypotheses

- 1 Are specific questions to be answered listed or specific hypotheses to be tested stated?
- 2 Does each hypothesis state an expected relationship or difference?
- 3 If necessary, are variables directly or operationally defined?
- 4 Is each hypothesis testable?

Method

- 1 Are the size and major characteristics of the population studied described?
- 2 If a sample was selected, is the method of selecting the sample clearly described?
- 3 Is the method of sample selection described one that is likely to result in a representative, unbiased sample?
- 4 Did the researcher avoid the use of volunteers?
- 5 Are the size and major characteristics of the sample described?
- 6 Does the sample size meet the suggested guideline for minimum sample size appropriate for the method of research represented?

Instruments

- 1 Is the rationale given for the selection of the instruments (or measurements) used?
- 2 Is each instrument described in terms of purpose and content?
- 3 Are the instruments appropriate for measuring the intended variables?
- 4 Is evidence presented that indicates that each instrument is appropriate for the sample under study?
- 5 Is instrument validity discussed and coefficients given if appropriate?
- 6 Is reliability discussed in terms of type and size of reliability coefficients?
- 7 If appropriate, are subtest reliabilities given?

- 8 If an instrument was developed specifically for the study, are the procedures involved in its development and validation described?
- 9 If an instrument was developed specifically for the study, are administration, scoring or tabulating, and interpretation procedures fully described?

Design and Procedure

- 1 Is the design appropriate for answering the questions or testing the hypotheses of the study?
- 2 Are the procedures described in sufficient detail to permit them to be replicated by another researcher?
- 3 If a pilot study was conducted, are its execution and results described as well as its impact on the subsequent study?
- 4 Are the control procedures described?
- 5 Did the researcher discuss or account for any potentially confounding variables that he or she was unable to control for?

Results

- 1 Are appropriate descriptive or inferential statistics presented?
- 2 Was the probability level, α , at which the results of the tests of significance were evaluated, specified in advance of the data analyses?
- 3 If parametric tests were used, is there evidence that the researcher avoided violating the required assumptions for parametric tests?
- 4 Are the tests of significance described appropriate, given the hypotheses and design of the study?
- 5 Was every hypothesis tested?
- 6 Are the tests of significance interpreted using the appropriate degrees of freedom?
- 7 Are the results clearly presented?
- 8 Are the tables and figures (if any) well organized and easy to understand?
- 9 Are the data in each table and figure described in the text?

Discussion (Conclusions and Recommendation)

- 1 Is each result discussed in terms of the original hypothesis to which it relates?
- 2 Is each result discussed in terms of its agreement or disagreement with previous results obtained by other researchers in other studies?
- 3 Are generalizations consistent with the results?
- 4 Are the possible effects of uncontrolled variables on the results discussed?
- 5 Are theoretical and practical implications of the findings discussed?
- 6 Are recommendations for future action made?

- 7 Are the suggestions for future action based on practical significance or on statistical significance only, i.e., has the author avoided confusing practical and statistical significance?
- 8 Are recommendations for future research made?

Format:

The format of your paper should NOT be like a Q & A list. Instead, you should integrate your answers into an essay format. The critique part should be 2-5 pages (750-2000 words), and should be longer than your summary.

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: COLA Dept/Division: Political Science

Contact Person: Shawn Schulenberg Phone: 304-696-2767

Rationale for Request:

We are submitting this request to change our catalog description for several reasons:

- **Fixing Catalog Errors:** Our program description was inadvertently changed in the 2018-19 catalog, removing a number of our admissions criteria. This happened without our knowledge or approval at the departmental level, and these changes were never approved by the Graduate Council. We think this was a clerical error when the MPA program made some changes and it was accidentally reflected in our program description.
- **Clerical Changes:** Tammy Johnson recommended a few other changes to align our admissions description to better align with actual admission policies that are currently in place.
- **Changing Admission Requirement:** The only substantive change we are pursuing at this time is to eliminate GRE scores from our admissions requirement

NOTE: Because of all of these problems, we received permission from Dean Pittenger to begin using the new program description immediately in Spring 2019.

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] Date 2/6/2019

Registrar [Signature] Date 2-6-19

College Curriculum Committee Chair [Signature] Date 2/20/19
(or Dean if no college curriculum committee)

Graduate Council Chair [Signature] Date 3/22/19

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.

see attachment

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.

see attachment

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.

see attachment

Request for Graduate Non-Curricular Changes – Page 5

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

Type of change request: Admissions Requirement Change (Eliminate GRE) and Other Clerical Fixes

Department: Political Science

Degree program: Political Science, MA

Effective date (fall/spring/summer, year): Fall 2019

CURRENT PROGRAM DESCRIPTION

The Department of Political Science is committed to those items enumerated in the mission statements of Marshall University and its College of Liberal Arts. First and foremost, the Department of Political Science strives to prepare future leaders by providing undergraduate and graduate students with a quality liberal arts political science education. This education includes critical thinking skills, problem solving skills, research skills, language/communication skills, and development of students' intellectual capabilities. The Department of Political Science is committed to (1) applied and basic research; (2) leadership and public service to the community; and (3) developing insight into multicultural and global issues.

Admission Requirements

Applicants should follow the admissions process outlined in the Graduate Catalog or at the Graduate College website at www.marshall.edu/graduate/admissions/how-to-apply-for-admission.

In addition, applications must have

- A current resume or curriculum vitae.
- A personal statement describing the applicant's interest in the program and goals from program completion.
- For non-native English speakers, minimum TOEFL scores of 550 (paper-based exam), 213 (computer-based exam), and 79 (Internet-based exam) are required. TOEFL exam must be completed no more than two years prior to the application submission for the program. Graduates of English-speaking universities will have TOEFL requirements waived. Minimum undergraduate GPA scores and standardized test scores will be waived for applicants who have previously earned degrees above the baccalaureate level from accredited institutions.

Conditional Admission

The Political Science program may admit applicants conditionally, for one term, pending receipt of final official undergraduate transcripts (and GRE scores if their current undergraduate GPA is above 3.3)

Provisional Admission

The Political Science program may admit applicants provisionally, for one term, who have an undergraduate GPA between 2.50 and 2.99 on a 4.0 scale.

Degree Requirements

Students must complete 36 hours of credit, which includes nine thesis hours.

Required Core Curriculum and Suggested Sequence (15 Hrs.)

- PSC 600 Research Design (3 hrs) - First Semester
- PSC 604 Data Analysis(3 hrs) - Second Semester
- Four Core 600-level Seminars (12 Hrs.)- 1 per Semester. Seminars are taken from a rotation of PSC 606, 609, 611, 612, 614, 629 and 648. Students with Legislative Internship hours can substitute PSC 675 as a Core Seminar course. All other course substitutions by permission of Director of Graduate Studies only.

Electives (21 Hrs.)

These electives must be selected with approval of the Director of Graduate Studies and may be a mixture of any 5XX and 6XX political science courses.

A maximum of six elective hours from graduate courses taken outside of the political science department may be counted toward the degree with the approval of the Director of Graduate Studies. Students in a dual degree program

(e.g., PSC MA/MPA) may count up to 9 hours of outside credit as electives. Thesis hours (PSC 681) can count toward elective credit with approval of the Director of Graduate Studies

Thesis

Students can choose the written thesis (and subsequent oral defense) as a culminating project for the Political Science M.A. degree.

In cooperation with the Director of Graduate Studies, a student should form a thesis committee. The thesis committee assists in selecting and developing the research problem and evaluates the student's work on that problem. The student should also determine the graduate faculty member of the department who will serve as chair of the student's thesis committee.

Students will develop a written thesis prospectus, approved by their thesis committee. The remaining thesis credit hours (PSC 681) will usually be taken in the subsequent semester. In addition to writing the thesis, all students must pass an oral defense.

Advising

Each new graduate student must meet with the Director of Graduate Studies before his or her first semester as a graduate student. Continued advising throughout a student's tenure at Marshall University is strongly encouraged.

Plan of Study

A Plan of Study approved by the Director of Graduate Studies and the Graduate Dean must be filed in the Graduate College office before the student registers for the 12th semester hour.

Two-C Rule

A student who earns more than two grades of C or lower in any graduate courses may be withdrawn from the program.

Accelerated Master's Degree

An Accelerated Master's Degree is available for qualified undergraduate political science majors. See the Accelerated Master's Degree section in this catalog for details.

Graduate Certificate in Nonprofit Management

The Graduate Certificate in Nonprofit Management is designed to enhance job skills, earn recognition, increase marketability, and meet professional development requirements. This is an interdisciplinary program housed in the Political Science department. The coursework focuses on the practical aspects of managing nonprofits, as well as the theoretical underpinnings of all organizations. With advisor approval, certificate program course credit may be applied towards a graduate degree in either Public Administration or Business Administration.

Admission Requirements:

Students already enrolled in the Master's of Public Administration or the Master's in Business Administration should submit a Secondary Program Request form (www.marshall.edu/graduate/secondary-program-request-form) to Graduate 186 Degree Programs and Requirements Marshall University Admissions. A prospective certificate-only student should apply for admission to Marshall University as a Professional Development student and select the application form for the Certificate in Nonprofit Management.

Program Requirements:

The program requires 18 hours (PSC 532, PSC 533, PSC 553, MGT 672, MGT 682, LS 626). All classes for this certificate are online.

EDITS TO CURRENT DESCRIPTION

The Department of Political Science is committed to those items enumerated in the mission statements of Marshall University and its College of Liberal Arts. First and foremost, the Department of Political Science strives to prepare future leaders by providing undergraduate and graduate students with a quality liberal arts political science education. This education includes critical thinking skills, problem solving skills, research skills, language/communication skills, and development of students' intellectual capabilities. The Department of Political Science is committed to (1) applied and basic research; (2) leadership and public service to the community; and (3) developing insight into multicultural and global issues.

Admission Requirements

Applicants should follow the admissions process outlined in the Graduate Catalog or at the Graduate College website at www.marshall.edu/graduate/admissions/how-to-apply-for-admission.

In addition, applications must have:

- ~~A current resume or curriculum vitae.~~
- ~~A personal statement describing the applicant's interest in the program and goals from program completion.~~
- ~~For non-native English speakers, minimum TOEFL scores of 550 (paper-based exam), 213 (computer-based exam), and 79 (Internet-based exam) are required. TOEFL exam must be completed no more than two years prior to the application submission for the program. Graduates of English-speaking universities will have TOEFL requirements waived. Minimum undergraduate GPA scores and standardized test scores will be waived for applicants who have previously earned degrees above the baccalaureate level from accredited institutions.~~
- Completed 12 hours of undergraduate social science coursework and have an undergraduate degree Grade Point Average (GPA) of 3.0 or higher on a 4.0 scale;
- A personal statement discussing the applicant's interest in political science and how the M.A. degree will benefit them; and
- Two letters of recommendation that discuss the applicant's abilities (college instructors strongly preferred).

Conditional Admission

The Political Science program may admit applicants conditionally, for one term, pending receipt of final official undergraduate transcripts ~~(and GRE scores if their current undergraduate GPA is above 3.3).~~

Provisional Admission

The Political Science program may admit applicants provisionally, ~~for one term,~~ who have an undergraduate GPA between 2.50 and 2.99 on a 4.0 scale.

Degree Requirements

Students must complete 36 hours of credit, which includes ~~nine thesis hours.~~ the required hours below.

Required Core Curriculum and Suggested Sequence ~~(15 Hrs.)~~ (18 Hrs.)

- PSC 600 Research Design (3 hrs) - First Semester
- PSC 604 Data Analysis(3 hrs) - Second Semester
- Four Core 600-level Seminars (12 Hrs.) ~~—1 per Semester. Seminars are taken from a rotation of PSC 606, 609, 611, 612, 614, 629 and 648. Students with Legislative Internship hours can substitute PSC 675 as a Core Seminar course. All other course substitutions by permission of Director of Graduate Studies only.~~ Any Semester

Electives ~~(21 Hrs.)~~ (18 Hrs.)

These electives must be selected with approval of the Director of Graduate Studies and may be a mixture of any 5XX and 6XX political science courses.

A maximum of six elective hours from graduate courses taken outside of the political science department may be counted toward the degree with the approval of the Director of Graduate Studies. ~~Students in a dual-degree program (e.g., PSC MA/MPA) may count up to 9 hours of outside credit as electives.~~ Thesis hours (PSC 681) can count toward elective credit with approval of the Director of Graduate Studies

Thesis Option

Students can choose the written thesis (and subsequent oral defense) as a culminating project for the Political Science M.A. degree.

In cooperation with the Director of Graduate Studies, a student should form a thesis committee. The thesis committee assists in selecting and developing the research problem and evaluates the student's work on that problem. The student should also determine the graduate faculty member of the department who will serve as chair of the student's thesis committee.

Students will develop a written thesis prospectus, approved by their thesis committee. The remaining thesis credit hours (PSC 681) will usually be taken in the subsequent semester. In addition to writing the thesis, all students must pass an oral defense.

Comprehensive Exam Option

Students can choose the comprehensive exam as their culminating project for the Political Science M.A. degree. Over a two-week period in their fourth semester, students will work with core seminar instructors to develop a portfolio of written responses evaluating their competency in the core fields of Political Science. Students taking PSC 675 (Legislative Internship) can count this as a core-seminar. For students admitted prior to Fall 2017, additional classes can be substituted for core seminars with approval of the graduate instructor.

Evaluation of student competency is based on written responses and an oral defense.

Advising

Each new graduate student must meet with the Director of Graduate Studies before his or her first semester as a graduate student. Continued advising throughout a student's tenure at Marshall University is strongly encouraged.

Plan of Study

A Plan of Study approved by the Director of Graduate Studies and the Graduate Dean must be filed in the Graduate College office before the student registers for the 12th semester hour.

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theoretical underpinnings of all organizations. With advisor approval, certificate program course credit may be applied towards a graduate degree in either Public Administration or Business Administration.

Admission Requirements:

Students already enrolled in the Master's of Public Administration or the Master's in Business Administration should submit a Secondary Program Request form (www.marshall.edu/graduate/secondary-program-request-form) to Graduate 186 Degree Programs and Requirements Marshall University Admissions. A prospective certificate-only student should apply for admission to Marshall University as a Professional Development student and select the application form for the Certificate in Nonprofit Management.

Program Requirements:

The program requires 18 hours (PSC 532, PSC 533, PSC 553, MGT 672, MGT 682, LS 626). All classes for this certificate are online.

NEW PROGRAM DESCRIPTION

The Department of Political Science is committed to those items enumerated in the mission statements of Marshall University and its College of Liberal Arts. First and foremost, the Department of Political Science strives to prepare future leaders by providing undergraduate and graduate students with a quality liberal arts political science education. This education includes critical thinking skills, problem solving skills, research skills, language/communication skills, and development of students' intellectual capabilities. The Department of Political Science is committed to (1) applied and basic research; (2) leadership and public service to the community; and (3) developing insight into multicultural and global issues.

Admission Requirements

Applicants should follow the admissions process outlined in the Graduate Catalog or at the Graduate College website at www.marshall.edu/graduate/admissions/how-to-apply-for-admission.

In addition, applicants must have:

- Completed 12 hours of undergraduate social science coursework and have an undergraduate degree Grade Point Average (GPA) of 3.0 or higher on a 4.0 scale;
- A personal statement discussing the applicant's interest in political science and how the M.A. degree will benefit them; and
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The Political Science program may admit applicants provisionally who have an undergraduate GPA between 2.50 and 2.99 on a 4.0 scale.

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Students must complete 36 hours of credit, which includes the required hours below.

Required Core Curriculum and Suggested Sequence (18 Hrs.)

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- Four Core 600-level Seminars (12 hours) – Any Semester

Electives (18 Hrs.)

These electives must be selected with approval of the Director of Graduate Studies and may be a mixture of any 5XX and 6XX political science courses.

A *maximum* of six elective hours from graduate courses taken outside of the political science department may be counted toward the degree with the approval of the Director of Graduate Studies.

Thesis hours (PSC 681) can count toward elective credit hours with the approval of the Director of Graduate Studies.

Thesis Option

Students can choose a written thesis (and subsequent oral defense) as a culminating project for the Political Science M.A. degree.

In cooperation with the Director of Graduate Studies, a student should form a thesis committee. The thesis committee assists in selecting and developing the research problem and evaluates the student's work on that problem. The student should also determine the graduate faculty member of the department who will serve as chair of the student's thesis committee.

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Program Requirements:

The program requires 18 hours (PSC 532, PSC 533, PSC 553, MGT 672, MGT 682, LS 626). All classes for this certificate are online.

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: COLA

Dept/Division: PSC

Current Alpha Designator/Number: PSC 505

Contact Person: Schawn Schulenberg

Phone: 6-2767

CURRENT COURSE DATA:

Course Title: International Organizations

Alpha Designator/Number:

P	S	C		5	0	5			
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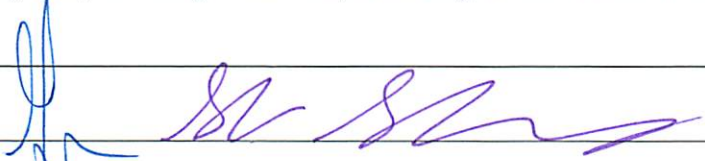
Title Abbreviation:

I	n	t	e	r	n	a	t	i	O	r	g	a	n	i	z	a	t	i	o	n	s		
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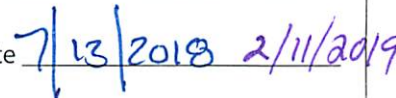
1. Complete this **five** page form in its entirety and route through the departments/committees below for changes to a course involving: course title, alpha designator, course number, course content, credit hours, or catalog description.
2. If this change will affect other departments that require this 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



Registrar



Date

2-11-19

College Curriculum Chair



Date

2/20/19

Graduate Council Chair



Date

3/22/19

Request for Graduate Course Change - Page 2

College: COLA

Department/Division: PSC

Alpha Designator/Number: PSC 505

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

Change in CATALOG TITLE: ☒ YES ☐ NO

From I n t e r n a t i O r g a n i z a t i o n s (limited to 30 characters and spaces)

To U N & G l o b a l O r g a n i z a t i o n s

If Yes, Rationale This change provides consistency across department course titles. It also clarifies course content for students, avoiding confusing catalog course titles. Additionally, this change captures more fully the content of the course and accounts for changes in the discipline since the course was created.

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

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

From

To

If Yes
Rationale

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

To

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

From

To

Rationale

Request for Graduate Course Change-Page 4

College: COLA _____

Department: PSC _____

Course Number/Title Internatl Organizations _____

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.

N/A

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.

N/A

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.

N/A

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 TITLE CHANGE

Department: PSC

Current Course Number/Title: PSC 505, Internatl Politics

New Course Title: UN & Global Organizations

Rationale: This change provides consistency across department course titles. It also clarifies course content for students, avoiding confusing catalog course titles. Additionally, this change captures more fully the content of the course and accounts for changes in the discipline since the course was created.

Catalog Description: Study of world and regional organizations as reflections of world politics, as instruments of foreign policies, and as forces for change and order, with emphasis on their role as channels for management of cooperation and conflict.

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: COLA

Dept/Division: PSC

Current Alpha Designator/Number: PSC 506

Contact Person: Shawn Schulenberg

Phone: 6-2767

CURRENT COURSE DATA:

Course Title: International Politics

Alpha Designator/Number:

P	S	C			5	0	6		
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Title Abbreviation:

I	n	t	e	r	n	a	t	i	o	n	a	l		P	o	l	i	t	i	c	s			
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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

Registrar

College Curriculum Chair

Graduate Council Chair

Date

Date

Date

Date

College: COLA Department/Division: PSC Alpha Designator/Number: PSC 506

Change in CATALOG TITLE: ☒ YES ☐ NO

To	I	n	t	e	r	n	a	t	i	o	n	a	l	R	e	l	a	t	i	o	n	s							
----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--

If Yes, Rationale	This change provides consistency across department course titles. It also clarifies course content for students, avoiding confusing catalog course titles. Additionally, this change captures more fully the content of the course and accounts for changes in the discipline since the course was created.
-------------------	---

From:

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 To

--	--	--	--

☐ YES ☒ NO

If Yes, Rationale

From:

--	--	--	--

 To:

--	--	--	--

If Yes, Rationale

From Grade To Credit/No Credit

Rationale

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

From

To

If Yes
Rationale

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

To

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

From

To

Rationale

Request for Graduate Course Change-Page 4

College: COLA _____

Department: PSC 506 _____

Course Number/Title 506 International Politics _____

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.

N/A

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.

N/A

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.

N/A

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 TITLE CHANGE

Department: PSC

Current Course Number/Title: PSC 506 International Politics

New Course Title: International Relations

Rationale: This change provides consistency across department course titles. It also clarifies course content for students, avoiding confusing catalog course titles. Additionally, this change captures more fully the content of the course and accounts for changes in the discipline since the course was created.

Catalog Description: Study of major issues in world politics, with emphasis on theoretical approaches, problems of war and peace, and contemporary trends.

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: COLA

Dept/Division: PSC

Current Alpha Designator/Number: PSC 509

Contact Person: Shawn Schulenberg

Phone: 6-2767

CURRENT COURSE DATA:

Course Title: Western Democratic Politics

Alpha Designator/Number:

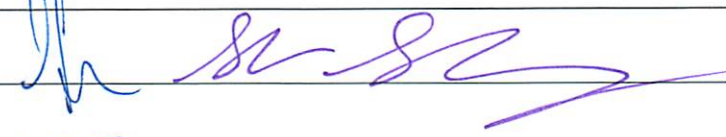


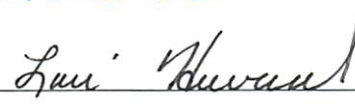
P	S	C		5	0	9			
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Title Abbreviation:

W	e	s	t		D	e	m	o	c	r	a	t	i	c		P	o	l	i	t	i	c		
---	---	---	---	--	---	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	--	--

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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 <u>7/31/2019 2/11/2019</u>
Registrar 	Date <u>2/2/19</u>
College Curriculum Chair 	Date <u>2/20/19</u>
Graduate Council Chair 	Date <u>3/22/19</u>

Request for Graduate Course Change - Page 2

College: COLA

Department/Division: PSC

Alpha Designator/Number: PSC 509

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

Change in CATALOG TITLE: ☒ YES ☐ NO

From West Democratic Politics (limited to 30 characters and spaces)

To Western Democratic Politics

If Yes, Rationale This change provides consistency across department course titles. It also clarifies course content for students, avoiding confusing catalog course titles. Additionally, this change captures more fully the content of the course and accounts for changes in the discipline since the course was created.

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

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

From

To

If Yes
Rationale

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

To

Change in COURSE CONTENT: ☐ YES ☒ NO

From

To

Rationale

Request for Graduate Course Change-Page 4

College: COLA

Department: PSC 509

Course Number/Title 509 West Democratic Politics

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.

N/A

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.

N/A

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.

N/A

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 TITLE CHANGE

Department: PSC

Current Course Number/Title: PSC 509 West Democratic Politics

New Course Title: Western Democratic Politics

Rationale: This change provides consistency across department course titles. It also clarifies course content for students, avoiding confusing catalog course titles. Additionally, this change captures more fully the content of the course and accounts for changes in the discipline since the course was created.

Catalog Description: Study of such nations as Canada and those of Western Europe, particularly Great Britain and France

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: COLA

Dept/Division: PSC

Current Alpha Designator/Number: PSC 525

Contact Person: Shawn Schulenberg

Phone: 6-2767

CURRENT COURSE DATA:

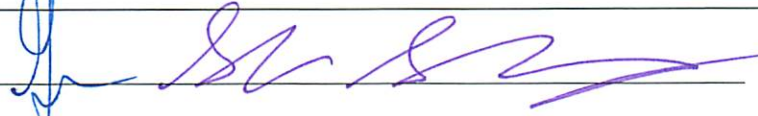


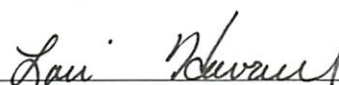
Course Title: Ancient and Medieval Political Thought

Alpha Designator/Number: P S C 5 2 5

Title Abbreviation: A n c & M e d P o l i t T h o u g h t

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 <u>7/13/2018 2/11/2019</u>
Registrar 	Date <u>2-12-19</u>
College Curriculum Chair 	Date <u>2/20/19</u>
Graduate Council Chair 	Date <u>3/22/19</u>

Request for Graduate Course Change - Page 2

College: COLA

Department/Division: PSC

Alpha Designator/Number: PSC 525

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

Change in CATALOG TITLE: ☒ YES ☐ NO

From

A	n	c		&		M	e	d		P	o	l	i	t		T	h	o	u	g	h	t						
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 (limited to 30 characters and spaces)

To

C	l	a	s	s	i	c	a	l		P	o	l	i	t	i	c	a	l		T	h	o	u	g	h	t			
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If Yes, Rationale

This change provides consistency across department course titles. It also clarifies course content for students, avoiding confusing catalog course titles. Additionally, this change captures more fully the content of the course and accounts for changes in the discipline since the course was created.

Change in COURSE ALPHA DESIGNATOR:

From:

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 To:

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☐ YES ☒ NO

If Yes, Rationale

Change in COURSE NUMBER: ☐ YES ☒ NO

From:

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 To:

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If Yes, Rationale

Change in COURSE GRADING

From ☐ Grade To ☐ Credit/No Credit

Rationale

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

From

To

If Yes
Rationale

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

To

Change in COURSE CONTENT: ☐ YES ☒ NO

From

To

Rationale

Request for Graduate Course Change-Page 4

College: COLA

Department: PSC 525

Course Number/Title PSC 525 Anc & Med Polit Thought

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.

N/A

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.

N/A

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.

N/A

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 TITLE CHANGE

Department: PSC

Current Course Number/Title: PSC 525 Anc & Med Polit Thought

New Course Title: Classical Political Thought

Rationale: This change provides consistency across department course titles. It also clarifies course content for students, avoiding confusing catalog course titles. Additionally, this change captures more fully the content of the course and accounts for changes in the discipline since the course was created.

Catalog Description: Selective study of classics of Western political theory from earliest times through the 15th century, such as that of Plato, Aristotle, Augustine, Aquinas and Machiavelli.

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: COLA

Dept/Division: PSC

Current Alpha Designator/Number: PSC 528

Contact Person: Shawn Schulenberg

Phone: 6-2767

CURRENT COURSE DATA:

Course Title: Islamic political Ideas & Institutions

Alpha Designator/Number:





P	S	C		5	2	8			
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Title Abbreviation:

I	s	I	a	m	i	c		P	o	I		I	d	e	a		&		I	n	s	t		
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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 <u>7/13/2019, 2/11/2019</u>
Registrar 	Date <u>2-12-19</u>
College Curriculum Chair 	Date <u>2/20/19</u>
Graduate Council Chair 	Date <u>3/22/19</u>

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

To

Change in COURSE CONTENT: ☐ YES ☒ NO

From

To

Rationale

Request for Graduate Course Change-Page 4

College: COLA

Department: PSC 528

Course Number/Title PSC 528 Islamic Pol Idea & Instit

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.

N/A

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.

N/A

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.

N/A

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 TITLE CHANGE

Department: PSC

Current Course Number/Title: 528: Islamic Pol Idea & Instit

New Course Title: Islam and Politics

Rationale: This change provides consistency across department course titles. It also clarifies course content for students, avoiding confusing catalog course titles. Additionally, this change captures more fully the content of the course and accounts for changes in the discipline since the course was created.

Catalog Description: Study of Islamic political ideas, practices, and institutions and their impact on the rise and development of contemporary Islamic movements, organizations, and states.

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: COLA

Dept/Division: PSC

Current Alpha Designator/Number: 554

Contact Person: Shawn Schulenberg

Phone: 304 696 2767

CURRENT COURSE DATA:

Course Title: Administrative Organization and Behavior

Alpha Designator/Number:

P	S	C		5	5	4			
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Title Abbreviation:

A	d	m		O	r	g		a	n	d		B	e	h	a	v	i	o	r				
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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

Registrar

College Curriculum Chair

Graduate Council Chair

Date

Date

Date

Date

Request for Graduate Course Change - Page 2

Department/Division: PSC

Alpha Designator/Number:554

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

Change in CATALOG TITLE: ☒ YES ☐ NO

From	A	d	m	O	r	g	a	n	d	B	e	h	a	v	i	o	r							(limited to 30 characters and spaces)
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To Politics of the Workplace

If Yes, Rationale	This change provides consistency across department course titles. It also clarifies course content for students, avoiding confusing catalog course titles. Additionally, this change captures more fully the content of the course and accounts for changes in the discipline since the course was created.
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Change in COURSE ALPHA DESIGNATOR:

From:

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 To

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☐ YES ☒ NO

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Change in COURSE NUMBER: ☐ YES ☒ NO

From:

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 To:

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Change in COURSE GRADING

From Grade To Credit/No Credit

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

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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

To

Change in COURSE CONTENT: ☐ YES ☒ NO

From

To

Rationale

Request for Graduate Course Change-Page 4

College: COLA _____

Department: PSC _____

Course Number/Title 554: Adm Org and Behavior _____

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.

NA

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.

NA

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.

NA

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:

Department: PSC

Current Course Number/Title: PSC 554 Adm Org and Behavior

New Course Title: Politics of the Workplace

Rationale: This change provides consistency across department course titles. It also clarifies course content for students, avoiding confusing catalog course titles. Additionally, this change captures more fully the content of the course and accounts for changes in the discipline since the course was created.

Catalog Description: Survey of public personnel administration with particular attention to various facets of the merit system concept. Psychological and human relations aspects of the work situation and supervisor/subordinate interaction emphasized.

Chair: Tracy Christofero

GC#6: Course Addition

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: COLA

Dept/Division: Political Science

Alpha Designator/Number: PSC 578

☐ Graded ☐ CR/NC

Contact Person: Dr. Jess Morrisette

Phone: 304-696-2760

NEW COURSE DATA:

New Course Title: Politics and Video Games

Alpha Designator/Number: P S C 5 7 8

Title Abbreviation: P o l i t i c s a n d V i d e o G a m e s

(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

An exploration of the power dynamics and politics at play in video games, the video game industry, and gaming culture.

Co-requisite(s): N/A

First Term to be Offered: Spring 2020

Prerequisite(s): N/A

Credit Hours: 3

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

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

Dept. Chair/Division Head



Date

1/28/2019

Registrar



CIP 451001

Date

1/28/19

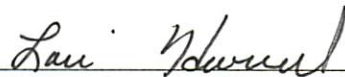
College Curriculum Chair



Date

2/20/19

Graduate Council Chair



Date

3/22/19

Request for Graduate Course Addition - Page 2

College: COLA

Department/Division: Political Science

Alpha Designator/Number: PSC 578

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. Jess Morrisette

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.

This course counts toward the Digital Humanities minor, but it is not a required course.

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)

By the end of the semester, students should be able to:

- 1) Critically appraise the power dynamics and politics at play in video games, the video game industry, and gaming culture.
- 2) Construct original arguments about the political themes embedded in video games, demonstrating multidisciplinary techniques and methods.
- 3) Synthesize the current scholarly discourse in the discipline of game studies.
- 4) Optional: Design and create an original "political" game.

Request for Graduate Course Addition - Page 3

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

Week 1: Introduction to Video Games and Politics
Week 2: Making Sense of Game Studies
Week 3: A Brief History of Video Games/Are Video Games Political?
Week 4: Simulating History and the Retrofuturism of Fallout
Week 5: War Games
Week 6: War Games (continued)
Week 7: Gender and Sexuality in Video Games
Week 8: Gender and Sexuality in Video Games (continued)
Week 9: Race and Nationality in Video Games
Week 10: Virtual Economies
Week 11: Violence and Video Games
Week 12: Violence and Video Games (continued)
Week 13: Political Economy of the Video Game Industry
Week 14: Gaming Culture
Week 15: Gaming Culture (continued)

Please see attached syllabus for additional details.

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

- Condis, Megan. Gaming Masculinity: Trolls, Fake Geeks, and the Gendered Battle for Online Culture (University of Iowa Press, 2018).
- Dyer-Witheford, Nick and Greig de Peuter. Games of Empire: Global Capitalism and Video Games (University of Minnesota Press, 2009).
- Malkowski, Jennifer and TreaAndrea M. Russworm, eds. Gaming Representation: Race, Gender, and Sexuality in Video Games (Indiana University Press, 2017).
- Paul, Christopher. The Toxic Meritocracy of Video Games: Why Gaming Culture Is the Worst (University of Minnesota Press, 2018).
- Payne, Matthew Thomas. Playing War: Military Video Games after 9/11 (New York University Press, 2016).

Please see attached syllabus for additional details.

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

Lectures, discussions, informal classroom debates. "Close playing" of video games outside of class.

Please see attached syllabus for additional details.

Request for Graduate Course Addition - Page 4

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

Students will write a biographical essay about their experiences with games, two reflection essays on assigned video games, a take-home essay exam, and a final project. For the final project, graduate students can choose between analyzing some aspect of politics and video games in a term paper intended for submission to First Person Scholar (a site that publishes academic work on video games) or creating their own "political" video game.

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

Graduate students read two additional books not required for undergraduates enrolled in the course: Paul's *The Toxic Meritocracy of Video Games* and Dyer-Witheford and de Peuter's *Games of Empire*. In addition, graduate students write additional essays on their exams addressing these readings. The final project for the graduate students is also more rigorous, since the eventual goal is publication of their work. Finally, the graduate-level grading scale shifts more points toward participation and the final project.

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

- Bainbridge, W. S. (2012). *The Warcraft civilization: Social science in a virtual world*. Cambridge, MA: MIT Press.
- Bogost, I. (2015). *How to talk about videogames*. Minneapolis: University of Minnesota Press.
- Chess, S. (2017). *Ready player two: Women gamers and designed identity*. Minneapolis, MN: University of Minnesota Press.
- Condis, M. A. (2018). *Gaming masculinity: Trolls, fake geeks, and the gendered battle for online culture*. Iowa City: University of Iowa Press.
- Corneliussen, H., & Rettberg, J. W. (Eds.). (2011). *Digital culture, play, and identity: A World of Warcraft reader*. Cambridge, MA: MIT Press.
- Donovan, T. (2010). *Replay: The history of video games*. Yellow Ant.
- Dyer-Witheford, N., & De Peuter, G. (2009). *Games of empire: Global capitalism and video games*. Minneapolis, MN: University of Minnesota Press.
- Egenfeldt-Nielsen, S., Smith, J. H., & Tosca, S. P. (2016). *Understanding video games: The essential introduction*. New York: Routledge/ Taylor & Francis Group.
- Flanagan, M. (2013). *Critical play: Radical game design*. Cambridge, MA: MIT Press.
- Flanagan, M. (2016). *Values at play in digital games*. Cambridge, MA: The MIT Press.
- Garrelts, N. (Ed.). (2006). *The meaning and culture of Grand Theft Auto: Critical essays*. Jefferson, NC: McFarland &.
- Garrelts, N. (2017). *Responding to Call of Duty: Critical essays on the game franchise*. Jefferson, NC: McFarland & Company,.
- Gray, K. L., & Leonard, D. J. (Eds.). (2018). *Woke gaming: Digital challenges to oppression and social injustice*. Seattle: University of Washington Press.
- Gray, K. L., Voorhees, G., & Vossen, E. (Eds.). (2018). *Feminism in play*. Cham, Switzerland: Palgrave Macmillan.
- Harrigan, P., & Wardrip-Fruin, N. (Eds.). (2010). *Second person: Role-playing and story in games and playable media*. Cambridge, MA: MIT Press.
- Harrigan, P., & Wardrip-Fruin, N. (Eds.). (2017). *Third person: Authoring and exploring vast narratives*. Cambridge: MIT Press.
- Huntemann, N. (Ed.). (2010). *Joystick soldiers: The politics of play in military video games*. London: Routledge.
- Malkowski, J., & Russworm, T. M. (Eds.). (2017). *Gaming representation race, gender, and sexuality in video games*. Bloomington: Indiana University Press.
- Mäyrä, F. (2008). *An introduction to game studies games in culture*. London: Sage Publications.
- Nardi, B. A. (2010). *My life as a night elf priest: An anthropological account of World of Warcraft*. Ann Arbor: University of Michigan Press.
- Paul, C. A. (2018). *The toxic meritocracy of video games: Why gaming culture is the worst*. Minneapolis ; London: University of Minnesota Press.
- Perron, B., & Wolf, M. J. (Eds.). (2009). *The video game theory reader*. New York, NY: Routledge.
- Perron, B., & Wolf, M. J. (Eds.). (2009). *The video game theory reader 2*. New York: Routledge.
- Reinhard, A. (2018). *Archaeogaming: An introduction to archaeology in and of video games*. New York ; Oxford: Berghahn Books.
- Ruberg, B., & Shaw, A. (Eds.). (2017). *Queer Game Studies*. Minneapolis, MN: University of Minnesota Press.
- Shaw, A. (2015). *Gaming at the edge: Sex and gender at the margins of gamer culture*. Univ Of Minnesota Press.
- Sicart, M. (2017). *Play matters*. Cambridge: The MIT Press.
- Taylor, N., & Voorhees, G. (Eds.). (2018). *Masculinities in Play*. Cham: Springer International Publishing.
- Vara, C. F. (2014). *Introduction to Game Analysis*. Place of publication not identified: Routledge.
- Wardrip-Fruin, N., & Harrigan, P. (Eds.). (2006). *First person: New media as story, performance, and game*. Cambridge, MA: The MIT Press.
- Wysocki, M., & Lauteria, E. W. (Eds.). (2015). *Rated M for mature: Sex and sexuality in video games*. London: Bloomsbury.
- Yee, N. (2015). *The Proteus Paradox: How online games and virtual worlds change us - and how they don't*. New Haven: Yale University Press.

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: Political Science

Course Number and Title: PSC 578, Politics and Video Games

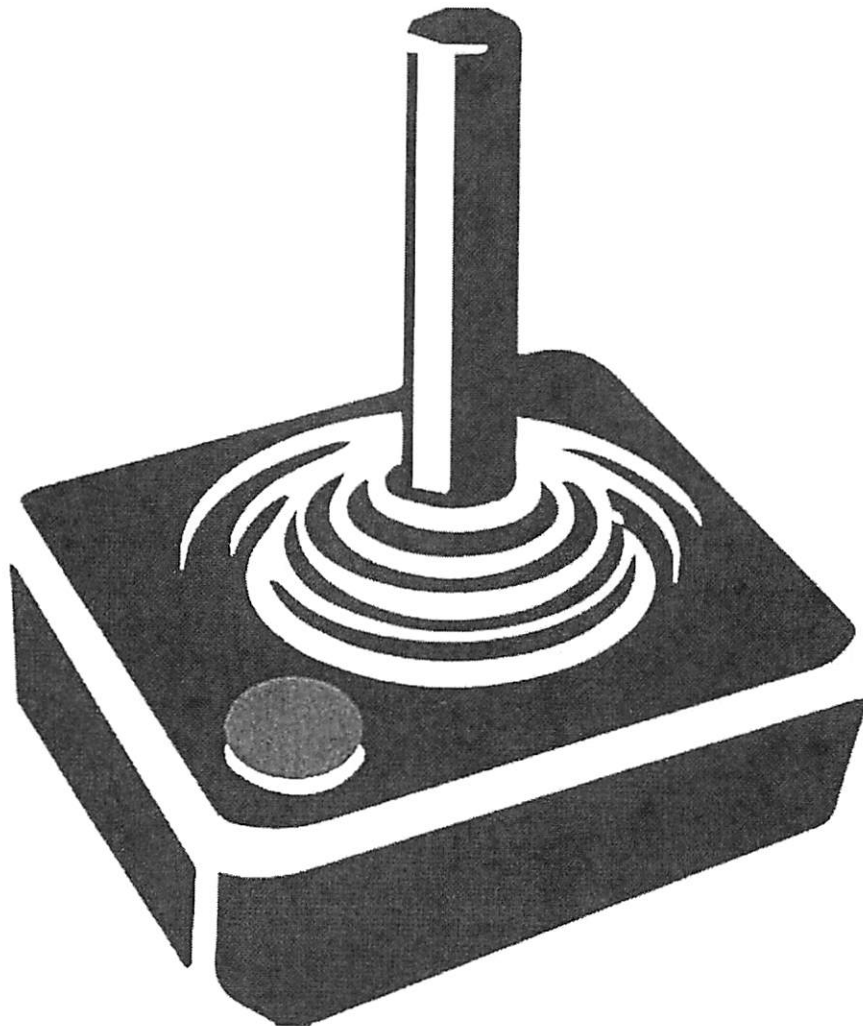
Catalog Description: An exploration of the power dynamics and politics at play in video games, the video game industry, and gaming culture.

Prerequisites: Not applicable

First Term Offered: Spring 2020

Credit Hours: 3

PSC 580: Politics & Video Games



Instructor: Dr. Jess Morrisette

Office Hours: M 9-12, Th 2-4, or by appointment

Office Location: Smith Hall 739

Email: morrisette@marshall.edu

Semester: Spring 2019

Class Location: Smith Hall 435

Class Time: Thursdays, 4:00-6:20

Phone: (304) 696-2760

Course Description: Tutorial Level

An exploration of the power dynamics and politics at play in video games, the video game industry, and gaming culture (3 credit hours).

Student Learning Objectives: Achievement Unlocked

Student Learning Outcome	How we will practice this outcome...	How we will assess this outcome...
Critically appraise the power dynamics and politics at play in video games, the video game industry, and gaming culture.	Lectures, discussions, class activities	Game reflections, essay exam, term paper
Construct original arguments about the political themes embedded in video games, demonstrating multidisciplinary techniques and methods.	Lectures, discussions, class activities	Game reflections, essay exam, term paper
Synthesize the current scholarly discourse in the discipline of game studies.	Lectures, discussions, class activities	Essay exam, term paper
<i>Optional: Design and create an original "political" game.</i>	<i>Individual gaming experiences</i>	<i>"Create Your Own Game" final project</i>

Required Materials: Inventory

The following books are required for everyone enrolled this course:

- Condis, Megan. *Gaming Masculinity: Trolls, Fake Geeks, and the Gendered Battle for Online Culture* (University of Iowa Press, 2018).
- Malkowski, Jennifer and TreaAndrea M. Russworm, eds. *Gaming Representation: Race, Gender, and Sexuality in Video Games* (Indiana University Press, 2017).
- Payne, Matthew Thomas. *Playing War: Military Video Games after 9/11* (New York University Press, 2016).

Graduate students will read two additional books this semester. Questions about these readings will appear on the take-home exam.

- Dyer-Witheford, Nick and Greig de Peuter. *Games of Empire: Global Capitalism and Video Games* (University of Minnesota Press, 2009).
- Paul, Christopher. *The Toxic Meritocracy of Video Games: Why Gaming Culture Is the Worst* (University of Minnesota Press, 2018).

We will also play the following video games:

- *Civilization* (multiplatform, 1991-present) **OR** *SimCity* (multiplatform, 1989-present)
- *Papers, Please* (multiplatform, 2013)

It is not necessary for you to *complete* these games, but please allow yourself enough play time to fully appreciate the mechanics and relevant themes.

Grading Policy: New High Score

Your grade is calculated as follows. You must complete all assignments to pass the course.

10% Biographical Essay	A = 90-100%
10% Game Reflection 1	B = 80-89%
10% Game Reflection 2	C = 70-79%
35% Exam	D = 60-69%
30% Final Project	F ≤ 59%
5% Participation	

Attendance & Participation: Gather Your Party

Attendance is required in this class, and students are expected to have read and be ready to discuss all assigned readings prior to class. Students will be graded based on their class participation—engaging in discussion of the readings, asking questions, and so forth. Once again, attendance is clearly important; if you aren't in class, you can't participate. If you feel that you are having trouble getting your voice heard in our discussions, please contact me as soon as possible and we will work together to get you more involved.

The participation grade will be determined as follows: 5 points will be awarded to students who attend class consistently and make valuable contributions to class discussion on a regular basis; 4 points will be awarded to students who attend class consistently and contribute to discussions occasionally; 3 points will be awarded to students who attend class consistently, but seldom participate in class discussions. Attendance grades of 2, 1, and 0 points are reserved for those students who fail to attend class regularly and therefore cannot participate meaningfully in class discussions.

Classroom Conduct: Play Nice, Play Fair

Please turn off your cell phone prior to the start of class.

Classroom discussions will be conducted in an atmosphere of civility and mutual respect. Differences of opinion and the challenging of viewpoints—including those of the instructor—are

part of the learning experience, but they should occur in a manner that opens up dialogue without being disrespectful, hostile, or threatening toward others.

Unwelcome conduct directed toward another person based upon that person's actual or perceived race, color, gender, sexual orientation, national origin, religion, political affiliation, disability, age, or veteran status will not be permitted. Failure to adhere to these guidelines will result in dismissal from class.

This course affirms people of all gender expressions and gender identities. If you go by a different name than what is listed on the class roster, please let me know and I will gladly refer to you by your preferred name and pronouns.

Academic Honesty: No Hacks Required

Students should adhere to the University's policies concerning academic honesty (please see pages 73-75 of the 2018/2019 undergraduate catalog). Cheating or plagiarism on any exam, quiz, or assignment will not be tolerated and will be prosecuted to the fullest extent under University policies. **The penalty for cheating or plagiarism is a failing grade for the course.**

Cheating is defined by the University as "[a]ny action which if known to the instructor in the course of study would be prohibited" (Undergraduate Catalog, p. 73). This includes, but is not limited to, the use of any unauthorized materials or assistance during an academic exercise.

The University defines plagiarism as "[s]ubmitting as one's own work or creation any material or an idea wholly or in part created by another" (Undergraduate Catalog, p. 74). It is "the student's responsibility to clearly distinguish his/her own work from that created by others. This includes the proper use of quotation marks, paraphrase and the citation of the original source. Students are responsible for both intentional and unintentional acts of plagiarism" (p. 74).

Late Policy: Insert Coin to Continue

Late essays will be assessed a 10% penalty per day after the deadline (including weekends), with a maximum penalty of 50%. Please keep in mind that you must complete all assignments in order to receive a passing grade in the course, regardless of the point values of those assignments. The final day to submit missing assignments for the semester is Friday, May 3.

Other Policies: Bonus Stage

Important announcements, readings, and assignments may be sent to your “@marshall.edu” email address during the semester, so be sure to check it regularly. If you prefer to use a different e-mail service, please contact Computing Services for assistance with forwarding your Marshall e-mail to your preferred address.

By enrolling in this course, you agree to the University Policies listed below. The full text of each policy is available at <http://www.marshall.edu/academic-affairs/policies/>.

- Academic Dishonesty, Excused Absence Policy for Undergraduates, Computing Services Acceptable Use, Inclement Weather, Dead Week, Students with Disabilities, Academic Forgiveness, Academic Probation and Suspension, Academic Rights & Responsibilities of Students, Affirmative Action, Sexual Harassment.
-

Assignments: Quest Log

- **Biographical Essay:** Write a biographical essay describing your personal experience with video games (approximately three pages long). Please follow these guidelines from Mäyrä (2012):

Write a text where you describe your personal relation to games and playing. It might be impossible to fit all the key moments, highlights and phases into a short account, but try to focus on creating an accessible summary, where you reflect on the kind of gamer you represent—or, alternatively, explain why games have not played such a major role in your life personally. Have you noticed that age correlates with interest in certain kinds of games? Have you been similar to, or different from other people you know in terms of your game playing? Do you have some particular field of expertise or certain favorites among games?

- **Game Reflections:** Play an assigned video game and write a brief essay (approximately three pages long) analyzing the political themes in the game. How does the game simulate politics, incorporate political values, or reflect relationships of power and authority? What aspects of “real world” politics are omitted from the game, and why?

For the first gaming reflection, students can choose to play a game from either the *SimCity* or *Civilization* series. Both franchises span multiple decades and platforms, including mobile. Any iteration will work for the assignment.

For the second gaming reflection, students will play *Papers, Please*. It is available for purchase on multiple platforms, including mobile.

If you don't have a device capable of playing these assigned games (or are otherwise unable to obtain them), please let me know ASAP, and we'll work out a solution.

- **Exam:** Students will complete a take-home essay exam. This exam will provide you with the opportunity to reflect on course readings, as well as your own gaming experiences. I will distribute questions and provide additional details on the exam in advance of the due date.
- **Final Project:** Like the undergraduates enrolled in the course, grad students can choose between writing a final paper or creating their own political game.
 - **Final Paper:** If you choose the paper option, the assignment is slightly different from the undergraduate assignment. Specifically, you will write a 2000-word paper intended for submission at *First Person Scholar* (www.firstpersonscholar.com). The goal of this assignment is to guide grad students toward publishing in the field of game studies.

FPS accepts submissions in the form of both essays and commentaries.

- **Essays:** "Essay submissions for *FPS* address critical, theoretical, and methodological considerations as they pertain to game studies. Essays should be theoretically grounded, but theory may be discussed in the context of particular games or play experiences. Essays require a minimum of three secondary sources such as texts, journal articles, researched blog posts, articles from reliable games media, etc. Embedded hyperlinks to secondary sources are strongly encouraged whenever possible to make sources as accessible as possible. Works cited/references does not count towards the 2,000 word limit on *FPS* essays."
- **Commentaries:** "While our essays emphasize more theoretical approaches to games, our commentaries emphasize more experiential ones. Commentaries may draw upon many of the same scholarly sources as essays to contextualize those experiences, but place more emphasis on novel arguments about subjective player experiences. We encourage authors to be daring and experimental in their discussion. In essence, commentaries should be just that—a commentary on a game, an aspect of games culture, or a venture into new theoretical territory. Commentaries can include more personal examinations of games or games related topics as well as creative endeavors, timely responses to current events, and close readings. In contrast to our essays, our commentaries can but are not required to utilize academic sources, but context needs to be provided through use of embedded links."

You will be graded based on the quality of your arguments and writing. While I'm not *requiring* you to submit your project for review at *FPS*, I strongly encourage you to take advantage of this opportunity. For more details on the length and formatting of these submissions, please see www.firstpersonscholar.com/contribute/.

- *Create Your Own Game:* Alternatively, students can choose to create their own "political" games. If you choose this option, you can work in groups of up to five students. Feel free to work in any genre, but please make sure your game is playable on Windows. If you're interested in pursuing this option and don't have much (or any) experience with coding, I recommend exploring Twine (at twinery.org), "an open-source tool for telling interactive, nonlinear stories." In addition to your game, each team should submit a single one-page essay explaining why their game is political. I will grade each team based on originality, creativity, and how effectively their game depicts its political content.

Writing Protips

- Submit all assignments via MUOnline.
- Cite your sources! You can choose any widely used citation style (e.g. APA, MLA, Chicago), but stay consistent. Also, be sure to make it clear where you found any "outside" information in your essay. This includes not only citing direct quotations, **but also any paraphrased material or statistics**. As a rule of thumb, any information those you decide to include in the paper and didn't know before you began working on the project merits a citation. Also, include a "works cited" page at the end of your essays and exams. Failure to properly cite your sources constitutes **PLAGIARISM**.
- Be judicious in choosing your online sources, and **do not cite Wikipedia or other online encyclopedias**.
- Write your papers in 12-point Times/Times New Roman, double-spaced with 1" margins and page numbers in the upper right-hand corner. Title pages and works cited pages do not count toward the suggested page length.

Course Schedule: Walkthrough

Week of January 14: Welcome to Politics and Video Games!

- Mäyrä, "Introduction: What Is Game Studies?"

Week of January 21: Making Sense of Game Studies

- Start reading *Games of Empire*
- Egenfeldt-Nielsen, et al., "What Is a Game?"
- Frasca, "Simulation versus Narrative: Introduction to Ludology"
- Mäyrä, "Getting into the Game: Doing Multidisciplinary Game Studies"
- Mäyrä, "Preparing for a Game Studies Project"
- Phillips, "Game Studies for Great Justice"

Biographical Essay Due January 24

Week of January 28: A Brief History of Video Games/Are Video Games Political?

- Egenfeldt-Nielsen, et al., "History"
- Winner, "Do Artifacts Have Politics?"
- Flanagan and Nissenbaum, "Groundwork for Values in Games"
- Fest, "Mobile Games, *SimCity BuildIt*, and Neoliberalism"
- Taylor, "Ubisoft Massive COO: 'We Don't Want to Take a Stance in Current Politics'"
- Stuart, "Ubisoft Games Are Political, Says CEO – Just Not the Way You Think"
- Frank, "*Overwatch*'s Gamer Girl Hero Inspires a Feminist Movement"

Week of February 4: Simulating History/The Retrofuturism of *Fallout*

- Peterson, et al., "The Same River Twice: Exploring Historical Representation and the Value of Simulation in the *Total War*, *Civilization*, and *Patrician* Franchises"
- Mir and Owens, "Modeling Indigenous Peoples: Unpacking Ideology in *Sid Meier's Civilization*"
- Schulzke, "Refighting the Cold War: Video Games and Speculative History"
- November, "*Fallout* and Yesterday's Impossible Tomorrow"
- Milner, "Beyond the Virtual Realm: *Fallout* Fans and the Troublesome Issue of Ownership in Videogame Fandom"
- Charleston Gazette-Mail, "*Fallout*: WV Victim of Yet Another Outside Industry"

Game Reflection 1 Due February 7

Week of February 11: War Games

- Payne, *Playing War* (Intro and Chapters 1-3)

- Nieborg, "Training Recruits and Conditioning Youth: Soft Power of Military Games"
- Murray, "The Rubble and the Ruin: Race, Gender, and Sites of Inglorious Conflict in *Spec Ops: The Line*" (in *Gaming Representation*)

Week of February 18: War Games (continued)

- Payne, *Playing War* (Chapters 4-6 and Conclusion)
- Blackburn, "Army Men: Military Masculinity in *Call of Duty*"
- Huntemann, "Playing with Fear: Catharsis and Resistance in Military-Themed Video Games"

Week of February 25: Gender and Sexuality in Video Games

- Malkowski and Russworm, "Introduction: Identity, Representation and Video Game Studies beyond the Politics of the Image" (in *Gaming Representation*)
- Corneliussen, "*World of Warcraft* as a Playground for Feminism"
- Mussett, "Berserker in a Skirt: Sex and Gender in *Dungeons & Dragons*"
- Chess, "Introduction: Contextualizing Player Two"
- Soderman, "No Time to Dream: Killing Time, Casual Games, and Gender" (in *Gaming Representation*)

Game Reflection 2

Due February 28

Week of March 4: Gender and Sexuality in Video Games

- Lauteria, "Assuring Quality: Early 1990s Nintendo Censorship and the Regulation of Queer Sexuality and Gender"
- Chang, "A Game Chooses, a Player Obeys: *BioShock*, Posthumanism, and the Limits of Queerness" (in *Gaming Representation*)
- Consalvo, "It's a Queer World After All: Studying *The Sims* and Sexuality"
- Ruberg, "Playing to Lose: The Queer Art of Failing at Video Games" (in *Gaming Representation*)
- Trépanier-Jobin, "Video Game Parodies: Appropriating Video Games to Criticize Gender Norms" (in *Gaming Representation*)

Week of March 11: Race and Nationality in Video Games

- Leonard, "Virtual Gangstas, Coming to a Suburban House Near You: Demonization, Commodification, and Policing Blackness"
- Russworm, "Dystopian Blackness and the Limits of Racial Empathy in *The Walking Dead* and *The Last of Us*" (in *Gaming Representation*)
- Dietrich, "Worlds of Whiteness: Race and Character Creation in Online Games"
- Šisler, "Digital Arabs: Representation in Video Games"
- Langer, "The Familiar and the Foreign: Playing (Post)Colonialism in *World of Warcraft*"

Week of March 18: Virtual Economies

- Start reading *The Toxic Meritocracy of Video Games*

- DeHaven and Hendrickson, "The Vox Populi Group, Marx, and Equal Rights for All"
- Rettberg, "Corporate Ideologies in *World of Warcraft*"
- Bowman, "*Fallout 4* and the End of History"
- Hart, "Using Casual Sex as Currency within Video Games"

Week of March 25: Spring Break

- Play some video games!

Week of April 1: Violence and Video Games

- Ellison and Keogh, "The Joy of Virtual Violence"
- Carnagey and Anderson, "Violent Video Game Exposure and Aggression: A Literature Review"
- Goldstein, "Immortal Kombat: War Toys and Violent Video Games"
- Coulson and Ferguson, "The Influence of Digital Games on Aggression and Violent Crime"
- Ferguson, "Blazing Angels or Resident Evil? Can Violent Video Games Be a Force for Good?"

Week of April 8: Political Economy of the Video Game Industry

- Schreier, "The Horrible World of Video Game Crunch"
- Dibble, "The Life of the Chinese Gold Farmer"
- Allison, "Portable Monsters & Commodity Cuteness: *Pokémon* as Japan's New Global Power"
- Vysotsky and Allaway, "The Sobering Reality of Sexism in the Video Game Industry"

Week of April 15: Class cancelled for PCA/ACA Conference

Take-Home Exam

Due April 19

Week of April 22: Gaming Culture

- Shaw, "What is Video Game Culture? Cultural Studies and Game Studies"
- Condis, *Gaming Masculinity* (Introduction and Chapters 1-2)
- Salter and Blodgett, "Come Get Some: Damsels in Distress and the Male Default Avatar in Video Games"
- Gironi, "Gaming's Hidden Toxicity: What is Salt-Mining?"

Week of April 29: Gaming Culture

- Condis, *Gaming Masculinity* (Introduction and Chapters 3-4 and Epilogue)
- Huntemann, "Attention Whores and Ugly Nerds: Gender and Cosplay at the Game Con" (in *Gaming Representation*)

Final Project

Due May 3

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: Graduate College Dept/Division: _____
Contact Person: Lori Howard Phone: 304-533-4357

Rationale for Request:

The policies for students with disabilities need to be updated in both the undergraduate and graduate catalog. The attached document has been approved through the Office of Disability Services and University Legal. It contains required information to be stated in the catalogs.

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  Date Fall 2019 Academic Year 2019-20

Registrar _____ Date _____

College Curriculum Committee Chair _____ Date _____
(or Dean if no college curriculum committee)

Graduate Council Chair Lori Howard Date 4/12/19

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.

Currently, there are multiple pages and locations identified for students with disabilities. The attached document consolidates this information into a single heading of Students with Disabilities. I have spoken with Su Tams, University Communications, and this is a preferred way to provide the information. She will provide cross referencing as needed.

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 note about multiple locations. Essentially, we are going to delete much of the current language and insert a single Heading Student with Disabilities for the information.

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.

Students with Disabilities

Introduction

Marshall University is committed to providing equal opportunity and access to all programs, services, and activities for students with disabilities. Marshall has three (3) offices or centers that provide services for students with disabilities. These programs include two nationally recognized centers for excellence: the College Program for Students with Autism and the Higher Education Learning Problems (H.E.L.P.) Program. Each of these has different intake processes and procedures. Please check with each program for specific questions. For more specific information on their services, processes, and fees, please use the web links below:

The Office of Disability Services (ODS)

Website: Office of Disability Services

URL: <http://www.marshall.edu/disability/>

The Office of Disability Services is the **university-wide office** responsible for working with both faculty and students with disabilities to provide reasonable accommodations, assistive technology, and/or auxiliary aids and services. This office helps to ensure Marshall University is providing equal opportunity and access for all students with disabilities **without cost** to the students.

College Program for Students with Autism Spectrum Disorder

Website: [College Program for Students with Autism Spectrum Disorder](http://www.marshall.edu/collegeprogram/)

URL: <http://www.marshall.edu/collegeprogram/>

(Focus is on students with autism.)

Participation in this program requires that students pay for services. College Program services are highly individualized, but every student receives supports from graduate assistants and West Virginia Autism Training Center staff who work to oversee that the student is accessing the services they need to have a successful college experience. 94% of students who have received College Program supports have graduated or are currently on track to graduate. College Program staff are also available to provide Allies Supporting Autism Spectrum Diversity Training to campus departments. The one-hour online or in-person training can be tailored to fit the needs of various populations such as faculty member, peers, community members, and employers. The College Program also hosts a 3-day employment preparedness workshop in June and a high school summer transition program during summer session III.

H.E.L.P. Program

Website: [Higher Education for Learning Problems Center \(H.E.L.P.\)](http://www.marshall.edu/help/)

URL: <http://www.marshall.edu/help/>

(Focus is on students with learning disabilities.)

Participation in this program requires that students pay for services. The H.E.L.P. Program (Higher



Request for Graduate Non-Curricular Changes – Page 5

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

Type of change request: **Catalog change**

Department: **Graduate College**

Degree program:

Effective date (fall/spring/summer, year): **Fall 2019 Academic Year 2019-20**

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CATALOG LANGUAGE

H.E.L.P. Program

Website: [Higher Education for Learning Problems Center \(H.E.L.P.\)](http://www.marshall.edu/help/)

URL: <http://www.marshall.edu/help/>

(Focus is on students with learning disabilities.)

Participation in this program requires that students pay for services. The H.E.L.P. Program (Higher Education Learning Problems) is located in Myers Hall, on the Huntington campus of Marshall University. H.E.L.P. is a comprehensive academic support program for Marshall University students with diagnosed Specific Learning Disabilities (SLD) and/or Attention Deficit Hyperactivity Disorder (ADHD). The H.E.L.P. Program offers one-on-one academic tutoring, academic coaching, and diagnostic evaluations. Students participating in the program must have met acceptance criteria for Marshall University and are considered for entry to the H.E.L.P. Program, via a separate application process.

Confidentiality and Disability Disclosure Statement

Students with disabilities are admitted to Marshall University under the same admittance criteria and process for all students. Students with disabilities are not required to disclose their disability during the admissions process nor during their time at Marshall. However, if they seek accommodations including assistive technology, or auxiliary aids/services they must make their request to the Office of Disability Services.

Accessibility

Marshall University is committed to making all programs, services, and activities fully accessible to students with disabilities.

According to the U. S. Department of Education's *OCR Compliance Review No. 11-11-6002*:

"Accessible" means a person with a disability is afforded the opportunity to acquire the same information, engage in the same interactions, and enjoy the same services as a person without a disability in an equally effective and equally integrated manner, with substantially equivalent ease of use. Educational benefits and opportunities afforded by technology are "accessible" if a person with a disability is afforded the opportunity to acquire the same information, engage in the same interactions, and enjoy the same services as a person without a disability in an equally effective and equally integrated manner, with substantially equivalent ease of use. A person with a disability must be able to obtain the information and engage in the same interactions as fully, equally, and independently as a person without a disability. Although this might not result in identical ease of use compared to that of persons without disabilities, it still must ensure equal opportunity to the educational benefits and opportunities afforded by the technology and equal treatment in the use of such technology.

CATALOG LANGUAGE

Requesting Services

Registration and Documentation

To receive accommodations, assistive technology, and/or auxiliary aides, students must schedule an appointment with the Office of Disability Services Director to register for services. Web conferencing can be arranged for students who have long travel distances, take online courses, or are attending classes at remote campus locations. Students will need to schedule this initial appointment either through email or telephone contact to the Office of Disability Services director. At this initial meeting, students need to provide documentation of their need for reasonable accommodations, assistive technology, and/or auxiliary aids/services.

Please note that the H.E.L.P. Center and Autism Center's College Program have different intake procedures for students. Please contact them directly.

Course Substitution

Students with disabilities may apply for course substitutions or waivers as a reasonable accommodation under the following policy:

Conditions

A student with a disability seeking a course substitution or waiver must meet the following conditions:

- Completion of the Course Substitution/Waiver Form. This form requires that the student attach a recent (within two years) diagnosis of a disability warranting a substitution or waiver. (The form is available in the Office of Disability Services, the H.E.L.P. office, the Buck Harless Student Athlete Program office, college deans' offices, and the office of the Dean of Student Affairs.) A licensed psychologist, a licensed school psychologist, or a properly credentialed education specialist must have made the diagnosis in the case of a learning disability.
- Verification on the Course Substitution/Waiver Form from the dean of the student's college, upon recommendation by the faculty of the department in which the student is a major, that the course for which a substitution is requested is **not an integral** part of the student's course of study. If the course is integral to the course of study the substitution or waiver request **shall not go forward**.
- Submission of the Course Substitution/Waiver Form to the Office of Disability Services.

Procedure

Submission of the Course Substitution Form by the student to the Office of Disability Services initiates the process. The Office of Disability Services confirms that a diagnosis of a disability is presented by the student and that the disability is known to hinder or prevent successful completion of the course of study for which the substitution is requested. If there is no such diagnosis the request is denied. If the appropriate diagnosis is presented the Office of Disability Services proceeds to contact the Academic Dean and Department for which the substitution is requested. All materials submitted by the student are forwarded to these faculty members with

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a certification that the student has presented a diagnosis of a disability warranting a substitution. The Academic Dean and Department faculty are charged with identifying courses that would constitute appropriate substitution and reporting these courses to the Office of Disability Services.

A student who is denied a course substitution or waiver may appeal in writing within 10 working days to the Provost/Senior Vice President for Academic Affairs, whose decision is final. Students should be aware that a course substitution/waiver would not be valid at any other institution and would have to be approved by the new college or department if the student changes major or declares a second major at Marshall University.

Appeals Process

Students who believe they have been inappropriately denied a reasonable accommodation by the Autism Training Center, the H.E.L.P. Center, or the Office of Disability Services may appeal as follows.

Step One: The student will submit the Accommodation Appeal Form to the Office of Disability Services within two (2) days of the denial of accommodations. This appeal form requires the recommended accommodations as provided by a licensed physician, psychologist or other appropriate medical professional. In addition, the student will provide a written statement indicating why the denial of the accommodations is in error and a potential detriment to the student's ability to participate in curricular and co-curricular activities.

The Office of Disability Services will, within five (5) business days, attempt to informally resolve the appeal. Resolution may be an affirmation of the refusal of the accommodation with a rationale for the decision, recommend provision of the accommodation, or submission of the appeal form for a Step Two review.

Step Two: If the student is not satisfied with the decision from Step One, he or she may forward the Accommodation Appeal Form within two (2) days of receipt the Step One decision to the Vice President for Student Affairs (VPSA), or his/her designee who will further investigate the appeal. This investigation may involve a meeting with the student, staff of Autism Training Center, the H.E.L.P. Center, and/or the Office of Disability Services, faculty and staff involved in the appeal, and others whose expertise may inform the review. The VPSA will render a decision, including a rationale, in a timely manner within five (5) business days. The VPSA may also submit the appeal form for a Step Three review.

Step Three: If the student is not satisfied with the decision from Step Two, he or she may forward the Accommodation Appeal Form within two (2) days of receipt the Step 2 decision to the Senior Vice President for Academic Affairs and Provost or his/her designee, (VP AA&P), who

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will further investigate the appeal. The VPAA&P will render a decision, including a rationale, within five (5) business days. The decision of the VP AA&P shall be final.

Failure to Provide An Accommodation or Issues with Providing an Accommodation
Students, the Office of Disability Services, or the faculty or staff who believe an employee of Marshall University failed to or has issues with providing an accommodation approved by the Autism Training Center, the H.E.L.P. Center, and/or the Office of Disability Services will submit the Accommodation Complaint Form to the Office of Disability Services. The Office of Disability Services will, within five (5) calendar days, report to the student and the VPSA the result of an investigation of the complaint and the action taken, if any.

If the Student, the Office of Disability Services, faculty or staff believes that:

any agreed to resolution of the matter has not been adhered to or followed, or

the Accommodations are still not being provided,

no resolution can be reached concerning the issue, or

there is a dispute regarding how/what accommodations should be provided, then the matter may be appealed.

Appeal of Failure to Provide an Accommodation

Step One: The student, the Office of Disability Services, the faculty or staff will submit the Accommodation Complaint Form within two (2) days of the issue or incident of providing an accommodation occurs to the Office of the VPSA. This appeal form requires the recommended accommodations as provided by a licensed physician, psychologist or other appropriate medical professional. In addition, the student, Office of Disability Services, the faculty or staff will provide a written statement indicating what resolution attempts, if any, have been taken. Indicate which of the reasons indicated in 2.2 has occurred.

Step Two: The Office of the VSPA will, within five (5) business days, attempt to resolve the appeal. This attempt at resolution may involve a meeting with the student, staff of the Autism Training Center, the H.E.L.P. Department, and/or the Office of Disability Services, faculty and staff involved in the appeal, their director, chair, dean, and/or others whose expertise may inform the review. The Office of the VPSA will render a decision, including a rationale, in a timely manner within five (5) business days. The VPSA may also submit the appeal form for a Step Three review.

Step Three: If the student, the Office of Disability Services, faculty or staff is not satisfied with the decision from Step Two, he or she may forward, within two (2) days of the Step Two decision, the Accommodation Complaint Form to the Office of the Senior Vice President for

CATALOG LANGUAGE

Academic Affairs and Provost or his/her designee, (VP AA&P), who will further investigate the appeal. The VP AA&P will render a decision, including a rationale, within five (5) business days. The decision of the VP AA&P shall be final.

The VPAA&P shall have the authority to direct University faculty and staff to provide any accommodation to which the VP AA&P finds that the student is entitled to receive.

Accommodations which have been approved by the Autism Training Center, the H.E.L.P. Department, and/or the Office of Disability Services, must be provided during the appeal process.

If faculty or staff are found to have failed to provide an accommodation after all the measures outlined herein have been exhausted or at any time during the appeal process, then the matter will be referred to The Office of Equity Programs/Title IX for further investigation and possible disciplinary actions.

Right to Accommodation for Any Judicial or Appeal Process

All students with a previously approved accommodation may be entitled to receive reasonable accommodations during any judicial or appeal process. Upon notification by the student, or by the individuals conducting a judicial or appeal process, the Office of Disability Services will coordinate the provision of the accommodation and have the authority to identify how best to provide the accommodation. Provided that, the Student may be required to register to register with the Office of Disability Services to receive those accommodations in accordance with University policy and procedures.

Retaliation Prohibited

No individual may retaliate against the student or any person that assists the student in the receipt of accommodations or this appeal process.


4.2 "Retaliate" means to take an adverse action against an individual or subject an individual to conduct that has the purpose or effect of unreasonably interfering with that individual's educational experience, work or academic performances, or creates an educational experience or academic or work environment that a reasonable person would find intimidating or hostile because of something that individual did to further the University's policy for providing accommodations.

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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: BusinessDept/Division: MPNA/ ManagementContact Person: Margie McInerneyPhone: 62675Degree Program DMPNA/DNAP and ManagementCheck action requested: ☐ Addition ☐ Deletion ☒ Change

 2-27-19

Effective Term/Year

Fall 20

☐

Spring 20

☐



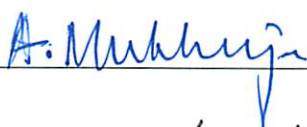
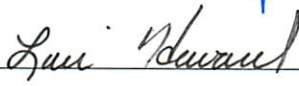
Summer 20

☐

19

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>2/26/2019</u>
College Curriculum Chair 	Date <u>3-1-19</u>
College Dean 	Date <u>2/28/2019</u>
Graduate Council Chair 	Date <u>3/22/19</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)

The request for an increase in the anesthesia practice content hours is in response to a recent analysis of program success and effectiveness by the faculty within the nurse anesthesia program and as required by the accrediting agency (COA) for additional anesthesia content hours. The program plans to use these additional hours to offer more direct anesthesia practice content without the need to increase the total hours of the program. Fifteen hours will be taken from the research content of the program leaving it with six remaining hours in research methods and statistics. The fifteen hours will be added to existing principles courses (advanced and basic) applied nursing and simulation lab. This will allow students to have a more immersive experience with both real and practice-based clinical case management. This offers the students a more practitioner based learning experience.

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)

see attached page

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.

These courses will be dropped as requirements for the new cohort of students beginning May 2019 but kept in place for the current cohort classes. The courses will be kept in the Courses of Instruction in the catalog.

MPNA 715 Health Care Economics	3
MPNA 724 Evidence-Based Research Methods for Nurse Anesthesia I	3
MPNA 799 Research Project	3
MPNA 799 Research Project	3
MPNA 799 Research Project	3

These courses will be changed in terms of hours required. All courses are already required for all cohorts.

MPNA 734 Basic Principles of Nurse Anesthesia Practice	34
MPNA 734A Basic Principles: Stimulation Lab	1-5
MPNA 743 Applied Nurse Anesthesia Management, Leadership, Professional Aspects	56
MPNA 745A Advanced Principles: Pediatrics for Nurse Anesthetists I	43
MPNA 745B Advanced Principles: Obstetrics for Nurse Anesthetists II	43
MPNA 745C Advanced Principles: Clinical Case Management Seminar III	46

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)

see attached

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.

Admission Requirements

Full Admission

All applicants must meet the following criteria. The program does not offer conditional or provisional admission.

1. Graduate from an approved baccalaureate or higher degree generic program in nursing or graduate from an approved associate degree with an appropriate baccalaureate degree.
2. Minimum overall undergraduate grade point average of 3.0.
3. Graduate Record Examination (GRE) scores submitted from the Education Testing Service, sent directly to Marshall University Graduate College, whose Institutional Code reporting number is 5396.
 - a. A photo copy of the student report GRE scores should be included with the CAMC application.
 - b. GRE scores must be no older than five (5) years.
 - c. Preferred minimum scores are Verbal 153 and Quantitative 144.
 - d. Please note the dates of score reporting in the GRE booklet and schedule the test so that the scores will be reported in time for full consideration of your application.
4. A current, valid, professional registered nursing license in one jurisdiction of the United States, which satisfies the requirements of the West Virginia Board of Examiners for Registered Professional Nurses. Once admitted, the School requires all in state and out of state students to maintain licensure in the State of West Virginia.
5. A minimum of one year full time work experience (two years preferred) or its part time equivalent, as a RN in a critical care setting. The applicant must have developed as an independent decision-maker, capable of using and interpreting advanced monitoring techniques based on knowledge of physiological and pharmacological principles.
6. Three (3) references by persons in the medical profession who are familiar with the applicant's qualifications. One must be from the applicant's immediate supervisor.
7. Resume detailing education and work experience.
8. A personal interview may be requested.

#3.

Program Requirements

Plan of Study

All students in this program are required to complete a comprehensive program of study including the courses listed below. The department maintains a well-established rotation of courses that allows students to compete the degree requirements in a timely manner.

BSC	716	Advanced Cellular Physiology for Nurse Anesthesia	2
BSC	717	Advanced Anatomy, Physiology and Pathophysiology for Nurse Anesthesia I	3
BSC	718	Advanced Anatomy, Physiology and Pathophysiology for Nurse Anesthesia II	3
BSC	719	Advanced Anatomy, Physiology and Pathophysiology for Nurse Anesthesia III	3
CHM	723	Chemistry, Physics, and Biochemistry for Nurse Anesthesia	3
MPNA	700	Introduction to Health Care Systems: Health Policy and Delivery	3
MPNA	710	Financial Management for Health Care Professionals	3
MPNA	711	Marketing and Management for Health Care Professionals	
MPNA	715	Health Care Economics	3
MPNA	724	Evidence-Based Research Methods for Nurse Anesthesia I	3
MPNA	725	Evidence-Based Research Methods for Nurse Anesthesia II	3
MPNA	726	Statistical Methods for Field and/or Clinical Research	3
MPNA	730	Medical/Legal Issues in Health Care	3
MPNA	734	Basic Principles of Nurse Anesthesia Practice	3
MPNA	734A	Basic Principles: Stimulation Lab	1
MPNA	743	Applied Nurse Anesthesia Management, Leadership, Professional Aspects	5
MPNA	745A	Advanced Principles: Pediatrics for Nurse Anesthetists I	1
MPNA	745B	Advanced Principles: Obstetrics for Nurse Anesthetists II	1
MPNA	745C	Advanced Principles: Clinical Case Management Seminar III	1
MPNA	753	Management of Complex Health Care Organizations	3

(continued)

#3 cont.

MPNA	755	Marketing Goods and Services in a Medical Environment	3
MPNA	756	Clinical and Administrative Information Systems	3
MPNA	772	Organizational Behavior in Health Care	3
MPNA	777	Moral Management: Ethics in Nurse Anesthesia	3
MPNA	796	Administrative Policy, Strategy and Entrepreneurship	3
MPNA	799	Research Project	3
MPNA	799	Research Project	3
MPNA	799	Research Project	3
NUR	720	Advanced Pharmacology for Nurse Anesthesia I	4
NUR	721	Advanced Pharmacology for Nurse Anesthesia II	4
NUR	735	Clinical Practice Inquiry	3
NUR	741	Introduction to Health Care Clinical Practicum/ Advanced Physical Assessment	6
NUR	741A	Health Care Clinical Practicum/Mentoring	1
NUR	741A	Health Care Clinical Practicum	1
NUR	741A	Health Care Clinical Practicum	1
NUR	741A	Health Care Clinical Practicum	1
NUR	741A	Health Care Clinical Practicum	1
NUR	741A	Health Care Clinical Practicum	1
NUR	741B	Health Care Clinical Practicum	3
NUR	741C	Health Care Clinical Practicum	6
NUR	741C	Health Care Clinical Practicum	6
NUR	741C	Health Care Clinical Practicum	6
NUR	741C	Health Care Clinical Practicum	6
NUR	744	Regional Anesthesia	1

Grade Point Average

All students must maintain a 3.0 overall GPA in all program coursework. Students are advised to read the department's Student Handbook with care, as that document lists other program requirements for students to remain in good standing.

Final Research Project

The culminating requirement for the D.M.P.N.A. degree is a research project that allows the student an opportunity to develop and demonstrate a synthesis of graduate knowledge and skills within the context of improving health care. Every research project will include the synthesis of strategic, creative thinking, decision making, planning, project management, and communication skills that are hallmarks of a D.M.P.N.A. graduate. The D.M.P.N.A. program at Marshall University follows a practitioner-scholar model. The emphasis is on understanding the field of nurse anesthesia as an empirically-informed discipline. A D.M.P.N.A. student must develop his or her proposal in consultation with his/her research project committee chair, and the final project report must both be approved by the entire research project committee. The research project must receive Office of Institutional Integrity approval and the student must successfully defend the written and oral presentation.

#4

Plan of Study

All students in this program are required to complete a comprehensive program of study including the courses listed below. The department maintains a well-established rotation of courses that allows students to complete the degree requirements in a timely manner.

BSC 716 Advanced Cellular Physiology for Nurse Anesthesia	2
BSC 717 Advanced Anatomy, Physiology and Pathophysiology for Nurse Anesthesia I	3
BSC 718 Advanced Anatomy, Physiology and Pathophysiology for Nurse Anesthesia II	3
BSC 719 Advanced Anatomy, Physiology and Pathophysiology for Nurse Anesthesia III	3
CHM 723 Chemistry, Physics, and Biochemistry for Nurse Anesthesia	3
MPNA 700 Introduction to Health Care Systems: Health Policy and Delivery	3
MPNA 710 Financial Management for Health Care Professionals	3
MPNA 711 Marketing and Management for Health Care Professionals	
MPNA 715 Health Care Economics	3
MPNA 724 Evidence-Based Research Methods for Nurse Anesthesia I	3
MPNA 725 Evidence-Based Research Methods for Nurse Anesthesia II	3
MPNA 726 Statistical Methods for Field and/or Clinical Research	3
MPNA 730 Medical/Legal Issues in Health Care	3
MPNA 734 Basic Principles of Nurse Anesthesia Practice	34
MPNA 734A Basic Principles: Stimulation Lab	1-5
MPNA 743 Applied Nurse Anesthesia Management, Leadership, Professional Aspects	56
MPNA 745A Advanced Principles: Pediatrics for Nurse Anesthetists I	43
MPNA 745B Advanced Principles: Obstetrics for Nurse Anesthetists II	43
MPNA 745C Advanced Principles: Clinical Case Management Seminar III	46
MPNA 753 Management of Complex Health Care Organizations	3
MPNA 755 Marketing Goods and Services in a Medical Environment	3
MPNA 756 Clinical and Administrative Information Systems	3
MPNA 772 Organizational Behavior in Health Care	3

#4
Cont.

MPNA 777 Moral Management: Ethics in Nurse Anesthesia	3
MPNA 796 Administrative Policy, Strategy and Entrepreneurship	3
MPNA 799 Research Project	3
MPNA 799 Research Project	3
MPNA 799 Research Project	3
NUR 720 Advanced Pharmacology for Nurse Anesthesia I	4
NUR 721 Advanced Pharmacology for Nurse Anesthesia II	4
NUR 735 Clinical Practice Inquiry	3
NUR 741 Introduction to Health Care Clinical Practicum/Advanced Physical Assessment	6
NUR 741A Health Care Clinical Practicum/Mentoring	1
NUR 741A Health Care Clinical Practicum	1
NUR 741A Health Care Clinical Practicum	1
NUR 741A Health Care Clinical Practicum	1
NUR 741A Health Care Clinical Practicum	1
NUR 741A Health Care Clinical Practicum	1
NUR 741B Health Care Clinical Practicum	3
NUR 741C Health Care Clinical Practicum	6
NUR 741C Health Care Clinical Practicum	6
NUR 741C Health Care Clinical Practicum	6
NUR 741C Health Care Clinical Practicum	6
NUR 744 Regional Anesthesia	1

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)

see attached

#5

Plan of Study

All students in this program are required to complete a comprehensive program of study including the courses listed below. The department maintains a well-established rotation of courses that allows students to complete the degree requirements in a timely manner.

BSC 716 Advanced Cellular Physiology for Nurse Anesthesia	2
BSC 717 Advanced Anatomy, Physiology and Pathophysiology for Nurse Anesthesia I	3
BSC 718 Advanced Anatomy, Physiology and Pathophysiology for Nurse Anesthesia II	3
BSC 719 Advanced Anatomy, Physiology and Pathophysiology for Nurse Anesthesia III	3
CHM 723 Chemistry, Physics, and Biochemistry for Nurse Anesthesia	3
MPNA 700 Introduction to Health Care Systems: Health Policy and Delivery	3
MPNA 710 Financial Management for Health Care Professionals	3
MPNA 711 Marketing and Management for Health Care Professionals	
MPNA 725 Evidence-Based Research Methods for Nurse Anesthesia II	3
MPNA 726 Statistical Methods for Field and/or Clinical Research	3
MPNA 730 Medical/Legal Issues in Health Care	3
MPNA 734 Basic Principles of Nurse Anesthesia Practice	4
MPNA 734A Basic Principles: Stimulation Lab	5
MPNA 743 Applied Nurse Anesthesia Management, Leadership, Professional Aspects	6
MPNA 745A Advanced Principles: Pediatrics for Nurse Anesthetists I	3
MPNA 745B Advanced Principles: Obstetrics for Nurse Anesthetists II	3
MPNA 745C Advanced Principles: Clinical Case Management Seminar III	6
MPNA 753 Management of Complex Health Care Organizations	3
MPNA 755 Marketing Goods and Services in a Medical Environment	3
MPNA 756 Clinical and Administrative Information Systems	3
MPNA 772 Organizational Behavior in Health Care	3
MPNA 777 Moral Management: Ethics in Nurse Anesthesia	3
MPNA 796 Administrative Policy, Strategy and Entrepreneurship	3
NUR 720 Advanced Pharmacology for Nurse Anesthesia I	4

#5

NUR 721 Advanced Pharmacology for Nurse Anesthesia II	4
NUR 735 Clinical Practice Inquiry	3
NUR 741 Introduction to Health Care Clinical Practicum/Advanced Physical Assessment	6
NUR 741A Health Care Clinical Practicum/Mentoring	1
NUR 741A Health Care Clinical Practicum	1
NUR 741A Health Care Clinical Practicum	1
NUR 741A Health Care Clinical Practicum	1
NUR 741A Health Care Clinical Practicum	1
NUR 741A Health Care Clinical Practicum	1
NUR 741B Health Care Clinical Practicum	3
NUR 741C Health Care Clinical Practicum	6
NUR 741C Health Care Clinical Practicum	6
NUR 741C Health Care Clinical Practicum	6
NUR 741C Health Care Clinical Practicum	6
NUR 744 Regional Anesthesia	1

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: Management

Major or Degree: DMPNA (Old name) DNAP (New name)

Type of Change: change

Rationale: Required/mandated by accrediting agency



College of Education & Professional Development
Special Education Program

February 22, 2019

Nancy Tierney, DMP, CRNA
Director
Charleston Area Medical Center School of Nurse Anesthesia
3110 MacCorkle Ave., SE
Room 2041
Charleston, WV 25304

RE: Course Changes for the Nurse Anesthesia

Dear Dr. Tierney,

I am pleased to inform you that the Graduate Council has passed a motion to approve the requested course changes of credit hours for the following 6 courses: MPNA 724, MPNA 734A, MPNA 745A, MPNA 745B, MPNA 745C, and MPNA 743.

Please let me know if you need further information or assistance. Thank you.

Sincerely,

Lori Howard, Ph.D.
Chair, Graduate Council
Associate Professor-Special Education

WE ARE... MARSHALL.

100 Angus E. Peyton Drive • South Charleston, West Virginia 25303-1600 • Tel 304/746-2034 • Fax 304/746-1942
A State University of West Virginia • An Affirmative Action/Equal Opportunity Employer

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: Biomedical Research

Alpha Designator/Number: BMR 676

☒ Graded ☐ CR/NC

Contact Person: Sandrine Pierre, PhD

Phone: 304-696-3505

NEW COURSE DATA:

New Course Title: Cell Biology Research Cluster Journal Club

Alpha Designator/Number:

B M R 6 7 6

Title Abbreviation:

C B R J O U R N A L C L U B

(Limit of 25 characters and spaces)

Course Catalog Description:
(Limit of 30 words)

Mentored journal club preparation with monthly presentation in cellular and molecular biology research

Co-requisite(s): None

First Term to be Offered: Fall 2019

Prerequisite(s): None

Credit Hours: 1

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

Date

1/17/19

Registrar

267999

Date

1-31-19

College Curriculum Chair

Date

1/30/19

Graduate Council Chair

Date

3/22/19

Request for Graduate Course Addition - Page 2

College: Medicine

Department/Division: Biomedical Research

Alpha Designator/Number: BMR 676

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.

Sandrine Pierre (course director), Wei Li, Jiang Liu, Juan Sanabria, Guo-Zhang Zhu, Liquan Cai, Komal Sodhi, Zijian Xie, Yanling Yan, Joseph Shapiro, Isabel Larre, Uma Sundaram.

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. Critically appraise the most recent and impactful peer-reviewed research in Cellular and Molecular Biology
2. Demonstrate in-depth understanding of experimental approaches and statistical methods in Cellular and Molecular Biology
3. Describe how the new information might relate to research conducted by the presenters

Request for Graduate Course Addition - Page 3

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

- At the beginning of each month, a group composed of 1-2 graduate students and 1-2 post-doctoral fellows (max. 4) will be formed and will be assigned a faculty mentor (CBRC faculty member).
- The group will work with the assigned mentor to choose, analyze, and prepare the presentation of an article selected in a high impact peer-reviewed journal (e.g. Nature, Science, Cell...).
- By the end of the second week of each month, the presenting group will share the pdf and any supplemental material with the CBR Journal Club membership (other graduate students enrolled in the course, CBR-Club Faculty and participating members of their research groups).
- By last Monday of each month, non-presenting students will submit their paper evaluation form to the assigned mentoring faculty.
- CBR-Club will be held the last Wednesday of each month at 6:00 pm.
- Grade will be based on critical reading and analyses during the preparation, and the oral presentation of the article (80% of total grade) and critical evaluation and participation when not presenting (20% of total grade).

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

not applicable

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

- face-to-face or virtual meetings with assigned mentors in the preparative phase
- exchange of articles, review/revisions of powerpoint presentations with peers and assigned mentors in the preparative phase
- oral presentation/discussion and feedback from experts during journal club meetings

Request for Graduate Course Addition - Page 4

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

Please see attached documents for monthly evaluation as a presenter or as a participant.

Grading scale: 90-100%: A; 80-89%: B; 70-79%: C; 60-69%: D; Less than 60%: E.

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

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

Cell

Journal of Cell Biology

Nature

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: Biomedical Research

Course Number and Title: BMR 676 CBR Journal Club

Catalog Description: Mentored journal club preparation with monthly presentation in cellular and molecular biology research

Prerequisites: None

First Term Offered: Fall 2019

Credit hours: 1

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: MedicineDept/Division: Clinical and Translational ScienceContact Person: Todd GreenPhone: 304-696-3531

Action Requested

Check action requested: ☒ Addition ☐ Deletion ☐ ChangeDegree Program Clinical and Translational ScienceGm70Area of Emphasis Clinical InformaticsGm71Effective Term/Year Fall 20 Spring 20 Summer 20

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 <u>[Signature]</u>	Date <u>2/27/19</u>
Registrar <u>[Signature]</u>	Date <u>2-27-19</u>
College Curriculum Chair <u>[Signature]</u>	Date <u>2/27/19</u>
College Dean <u>[Signature]</u>	Date <u>2/27/19</u>
Graduate Council Chair <u>[Signature]</u>	Date <u>3/22/19</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:

Currently there are no areas of emphasis in the Clinical and Translational Science MS program. The field of clinical and translational science has become more specialized since the program started, and we need to respond to student needs by adding new areas of emphasis. This area of emphasis will train students to work with electronic health records and medical databases to better understand the causes of disease and improve the quality of health care in the region.

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.

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.

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)

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)

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: Clinical and Translational Science

Area of Emphasis Title: Clinical Informatics

Credit Hours: 45

Type of Change Requested: Addition

Term to Take Effect: Fall 2019

Rationale: Currently there are no areas of emphasis in the Clinical and Translational Science MS program. The field of clinical and translational science has become more specialized since the program started, and we need to respond to student needs by adding new areas of emphasis. This area of emphasis will train students to work with electronic health records and medical databases to better understand the causes of disease and improve the quality of health care in the region.

MS IN CLINICAL AND TRANSLATIONAL SCIENCE
CLINICAL INFORMATICS AREA OF EMPHASIS CURRICULUM
(All courses are required.)

Fall Semester 1

BMR 660	Communication Skills I	1 CR
BMR 680	Seminar	1 CR
CTS 600	Epidemiology and Biostatistics Used in Medical Research	3 CR
CTS 620	Basic Clinical Research Operations	3 CR
CTS 635	Writing and Peer Review of Scientific Publications	1 CR
CTS 640	Clinical Trials Journal Club	1 CR
		10 CR

Spring Semester 1

BMR 661	Communication Skills II	1 CR
BMR 680	Seminar	1 CR
CTS 610	Study Design and Applied Statistics in Medical Research	3 CR
CTS 614	Online Survey Tools, Relational and Data Warehousing, and Data Manipulation	3 CR
CTS 640	Clinical Trials Journal Club	1 CR
		9 CR

Summer Semester

CTS 650	Rural Clinic Experience	5 CR
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Fall Semester 2

CTS 611	Machine Learning Journal Club	1 CR
CTS 612	Introduction to Clinical Machine Learning	3 CR
CTS 615	Introduction to Clinical Databases	3 CR
CTS 616	Introduction to Clinical Programming Using C#	3 CR
		10 CR

Spring Semester 2

CTS 611	Machine Learning Journal Club	1 CR
CTS 628	Introduction to Java Clinical Programming	4 CR
CTS 637	Introduction to Tableau	3 CR
CTS 645	Navigating Health IT Systems for Quality Data	3 CR
		11 CR

TOTAL HOURS		45
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CURRENT CATALOG DESCRIPTION

Page 224

CLINICAL AND TRANSLATIONAL SCIENCE, M.S.

Areas of Emphasis

Clinical Informatics

Clinical Research

Clinical Trials

Program Description

The Clinical and Translational Science (CTS) Department in the Marshall University Joan C. Edwards School of Medicine offers a Master of Science (M.S.) degree in Clinical and Translational Science. The goal of this program is to equip physicians in-training and other biomedical scientists with the information and training they need to translate basic clinical advances into improved patient care that will enhance the quality of life for patients in the Appalachian region, particularly southern West Virginia.

Students will receive education in clinical trial design, epidemiology, statistics, informatics, and translational research. Graduates of this program in the Clinical Trials area of emphasis will be able to lead clinical trials of new drugs and procedures in West Virginia, particularly in its rural regions. They also will be strong applicants for positions in schools of medicine and medical centers that have clinical and translational science centers. Clinical Research graduates can apply to doctoral programs in medicine or other health-related fields having a superior background in basic science, epidemiology, informatics, and statistics. Clinical Informatics graduates will have a background in bioinformatics, computer programming, and clinical trials design, thus making them strong candidates for positions in schools of medicine, medical centers, and the health care industry.

Pages 225-226

Degree Requirements

All students are required to meet the general requirements of the Graduate College for receipt of a master's degree. A minimum of 36 credit hours is required for a non-thesis degree. In addition, all students must pass a written and/or oral comprehensive exam.

Clinical and Translational Science, M.S. (Clinical Informatics Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year 1 Fall

BMR 660 Communication Skills I

BMR 680 Seminar

CTS 600 Epidemiology and Biostatistics Used in Medical Research

CTS 620 Basic Clinical Research Operations

CTS 635 Writing and Peer Review of Scientific Publications

CTS 640 Clinical Trials Journal Club

Year 1 Spring

BMR 661 Communication Skills II

BMR 680 Seminar

CTS 610 Study Design and Applied Statistics in Medical Research

CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation

CTS 630 Fundamentals of Team Science

CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year 2 Fall

CTS 611 Machine Learning Journal Club

CTS 612 Introduction to Clinical Machine Learning

CTS 615 Introduction to Clinical Databases

CTS 616 Introduction to Clinical Programming Using C#

Year 2 Spring

CTS 611 Machine Learning Journal Club

CTS 628 Introduction to Java Clinical Programming

CTS 637 Introduction to Tableau

CTS 645 Navigating Health IT Systems for Quality Data

Clinical and Translational Science, M.S. (Clinical Research Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year 1 Fall

BMR 601 Introduction to Nucleic Acids and Proteins

BMR 602 Introduction to Cell Structure and Metabolism

BMR 680 Seminar

CTS 600 Epidemiology and Biostatistics Used in
Medical Research

CTS 635 Writing and Peer Review of Scientific
Publications

CTS 640 Clinical Trials Journal Club

Year 1 Spring

BMR 603 Regulation of Cell Function

BMR 604 Cellular Basis of Disease

BMR 680 Seminar

CTS 614	Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
CTS 640	Clinical Trials Journal Club
PHS 667	Experimental Approaches to Physiology

Summer Semester

BMR 785	Introduction to Research
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Year 2 Fall

BMR 680	Seminar
CTS 640	Clinical Trials Journal Club
CTS 660	Molecular Phenotype of Appalachian Disorders
PMC 621	Pharmacology I

Year 2 Spring

BMR 680	Seminar
CTS 610	Study Design and Applied Statistics in Medical Research
CTS 640	Clinical Trials Journal Club
PMC 622	Pharmacology II

Clinical and Translational Science, M.S. (Clinical Trials Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year I Fall

BMR 660 Communication Skills I
 BMR 680 Seminar
 CTS 600 Epidemiology and Biostatistics Used in Medical Research
 CTS 620 Basic Clinical Research Operations
 CTS 635 Writing and Peer Review of Scientific Publications
 CTS 640 Clinical Trials Journal Club

Year I Spring

BMR 661 Communication Skills II
 BMR 680 Seminar
 CTS 610 Study Design and Applied Statistics in Medical Research
 CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
 CTS 630 Fundamentals of Team Science
 CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year II Fall

BMR 680 Seminar

CTS 625 Clinical Research Operations Lab

CTS 640 Clinical Trials Journal Club

CTS 660 Molecular Phenotype of Appalachian Disorders

Year II Spring

BMR 680 Seminar

CTS 625 Clinical Research Operations

CTS 640 Clinical Trials Journal Club

EDITS TO CURRENT CATALOG DESCRIPTION

Page 224

CLINICAL AND TRANSLATIONAL SCIENCE, M.S.

Areas of Emphasis

Clinical Informatics

Clinical Research

Clinical Trials

Program Description

The Clinical and Translational Science (CTS) Department in the Marshall University Joan C. Edwards School of Medicine offers a Master of Science (M.S.) degree in Clinical and Translational Science. The goal of this program is to equip physicians in-training and other biomedical scientists with the information and training they need to translate basic clinical advances into improved patient care that will enhance the quality of life for patients in the Appalachian region, particularly southern West Virginia.

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Pages 225-226

Degree Requirements

All students are required to meet the general requirements of the Graduate College for receipt of a master's degree. A minimum of 36 credit hours is required for a non-thesis degree. In addition, all students must pass a written and/or oral comprehensive exam.

~~All students will take the following courses:~~

~~Year I Fall~~

~~BMR-660 Communication Skills-I~~

~~BMR-680 Seminar~~

~~CTS-600 Epidemiology and Biostatistics Used in Medical Research~~

~~CTS-620 Basic Clinical Research Operations~~

~~CTS-635 Writing and Peer Review of Scientific Publications~~

~~CTS-640 Clinical Trials Journal Club~~

Year I Spring

BMR 661 Communication Skills II

BMR 680 Seminar

CTS 610 Study Design and Applied Statistics in Medical Research

CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation

CTS 630 Fundamentals of Team Science

CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year II Fall

BMR 680 Seminar

CTS 625 Clinical Research Operations Lab

CTS 640 Clinical Trials Journal Club

CTS 660 Molecular Phenotype of Appalachian Disorders

Year II Spring

BMR 680 Seminar

CTS 625 Clinical Research Operations

CTS 640 Clinical Trials Journal Club

Clinical and Translational Science, M.S. (Clinical Informatics Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year 1 Fall

BMR 660 Communication Skills I

BMR 680 Seminar

CTS 600 Epidemiology and Biostatistics Used in Medical Research

CTS 620 Basic Clinical Research Operations

CTS 635 Writing and Peer Review of Scientific Publications

CTS 640 Clinical Trials Journal Club

Year 1 Spring

BMR 661 Communication Skills II

BMR 680 Seminar

CTS 610 Study Design and Applied Statistics in Medical Research

CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation

CTS 630 Fundamentals of Team Science

CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year 2 Fall

CTS 611 Machine Learning Journal Club
CTS 612 Introduction to Clinical Machine Learning
CTS 615 Introduction to Clinical Databases
CTS 616 Introduction to Clinical Programming Using C#

Year 2 Spring

CTS 611 Machine Learning Journal Club
CTS 628 Introduction to Java Clinical Programming
CTS 637 Introduction to Tableau
CTS 645 Navigating Health IT Systems for Quality Data

Clinical and Translational Science, M.S. (Clinical Research Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year 1 Fall

BMR 601	Introduction to Nucleic Acids and Proteins
BMR 602	Introduction to Cell Structure and Metabolism
BMR 680	Seminar
CTS 600	Epidemiology and Biostatistics Used in Medical Research
CTS 635	Writing and Peer Review of Scientific Publications
CTS 640	Clinical Trials Journal Club

Year 1 Spring

BMR 603	Regulation of Cell Function
BMR 604	Cellular Basis of Disease
BMR 680	Seminar
CTS 614	Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
CTS 640	Clinical Trials Journal Club
PHS 667	Experimental Approaches to Physiology

Summer Semester

BMR 785	Introduction to Research
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Year 2 Fall

BMR 680	Seminar
CTS 640	Clinical Trials Journal Club
CTS 660	Molecular Phenotype of Appalachian Disorders
PMC 621	Pharmacology I

Year 2 Spring

BMR 680	Seminar
CTS 610	Study Design and Applied Statistics in Medical Research
CTS 640	Clinical Trials Journal Club
PMC 622	Pharmacology II

Clinical and Translational Science, M.S. (Clinical Trials Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year I Fall

BMR 660 Communication Skills I
BMR 680 Seminar
CTS 600 Epidemiology and Biostatistics Used in Medical Research
CTS 620 Basic Clinical Research Operations
CTS 635 Writing and Peer Review of Scientific Publications
CTS 640 Clinical Trials Journal Club

Year I Spring

BMR 661 Communication Skills II
BMR 680 Seminar
CTS 610 Study Design and Applied Statistics in Medical Research
CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
CTS 630 Fundamentals of Team Science
CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year II Fall

BMR 680 Seminar
CTS 625 Clinical Research Operations Lab
CTS 640 Clinical Trials Journal Club
CTS 660 Molecular Phenotype of Appalachian Disorders

Year II Spring

BMR 680 Seminar
CTS 625 Clinical Research Operations
CTS 640 Clinical Trials Journal Club

NEW CATALOG DESCRIPTION

Page 224

CLINICAL AND TRANSLATIONAL SCIENCE, M.S.

Areas of Emphasis

Clinical Informatics

Clinical Research

Clinical Trials

Program Description

The Clinical and Translational Science (CTS) Department in the Marshall University Joan C. Edwards School of Medicine offers a Master of Science (M.S.) degree in Clinical and Translational Science. The goal of this program is to equip physicians in-training and other biomedical scientists with the information and training they need to translate basic clinical advances into improved patient care that will enhance the quality of life for patients in the Appalachian region, particularly southern West Virginia.

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Pages 225-226

Degree Requirements

All students are required to meet the general requirements of the Graduate College for receipt of a master's degree. A minimum of 36 credit hours is required for a non-thesis degree. In addition, all students must pass a written and/or oral comprehensive exam.

Clinical and Translational Science, M.S. (Clinical Informatics Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year 1 Fall

BMR 660 Communication Skills I

BMR 680 Seminar

CTS 600 Epidemiology and Biostatistics Used in Medical Research

CTS 620 Basic Clinical Research Operations

CTS 635 Writing and Peer Review of Scientific Publications

CTS 640 Clinical Trials Journal Club

Year 1 Spring

BMR 661 Communication Skills II

BMR 680 Seminar

CTS 610 Study Design and Applied Statistics in Medical Research

CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation

CTS 630 Fundamentals of Team Science

CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year 2 Fall

CTS 611 Machine Learning Journal Club

CTS 612 Introduction to Clinical Machine Learning

CTS 615 Introduction to Clinical Databases

CTS 616 Introduction to Clinical Programming Using C#

Year 2 Spring

CTS 611 Machine Learning Journal Club

CTS 628 Introduction to Java Clinical Programming

CTS 637 Introduction to Tableau

CTS 645 Navigating Health IT Systems for Quality Data

Clinical and Translational Science, M.S. (Clinical Research Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year 1 Fall

BMR 601 Introduction to Nucleic Acids and Proteins

BMR 602 Introduction to Cell Structure and Metabolism

BMR 680 Seminar

**CTS 600 Epidemiology and Biostatistics Used in
Medical Research**

**CTS 635 Writing and Peer Review of Scientific
Publications**

CTS 640 Clinical Trials Journal Club

Year 1 Spring

BMR 603 Regulation of Cell Function

BMR 604 Cellular Basis of Disease

BMR 680 Seminar

CTS 614	Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
CTS 640	Clinical Trials Journal Club
PHS 667	Experimental Approaches to Physiology

Summer Semester

BMR 785	Introduction to Research
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Year 2 Fall

BMR 680	Seminar
CTS 640	Clinical Trials Journal Club
CTS 660	Molecular Phenotype of Appalachian Disorders
PMC 621	Pharmacology I

Year 2 Spring

BMR 680	Seminar
CTS 610	Study Design and Applied Statistics in Medical Research
CTS 640	Clinical Trials Journal Club
PMC 622	Pharmacology II

Clinical and Translational Science, M.S. (Clinical Trials Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year I Fall

BMR 660 Communication Skills I
 BMR 680 Seminar
 CTS 600 Epidemiology and Biostatistics Used in Medical Research
 CTS 620 Basic Clinical Research Operations
 CTS 635 Writing and Peer Review of Scientific Publications
 CTS 640 Clinical Trials Journal Club

Year I Spring

BMR 661 Communication Skills II
 BMR 680 Seminar
 CTS 610 Study Design and Applied Statistics in Medical Research
 CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
 CTS 630 Fundamentals of Team Science
 CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year II Fall

BMR 680 Seminar

CTS 625 Clinical Research Operations Lab

CTS 640 Clinical Trials Journal Club

CTS 660 Molecular Phenotype of Appalachian Disorders

Year II Spring

BMR 680 Seminar

CTS 625 Clinical Research Operations

CTS 640 Clinical Trials Journal Club

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: MedicineDept/Division: Clinical and Translational ScienceContact Person: Todd GreenPhone: 304-696-3531**Action Requested**Check action requested: ☒ Addition ☐ Deletion ☐ ChangeDegree Program Clinical and Translational ScienceGm70Area of Emphasis Clinical ResearchGm72Effective Term/Year Fall 20 19 Spring 20 Summer 20 **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 <u>[Signature]</u>	Date <u>2/27/19</u>
Registrar <u>[Signature]</u>	Date <u>2-27-19</u>
College Curriculum Chair <u>[Signature]</u>	Date <u>2/27/19</u>
College Dean <u>[Signature]</u>	Date <u>2/27/19</u>
Graduate Council Chair <u>[Signature]</u>	Date <u>3/22/19</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:

Currently there are no areas of emphasis in the Clinical and Translational Science MS program. The field of clinical and translational science has become more specialized since the program started, and we need to respond to student needs by adding new areas of emphasis. This area of emphasis will train students to be future physician-scientists with a strong background in epidemiology, biostatistics, and clinical trials, as well as improve their applications to schools of medicine and other health-related disciplines.

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.

Curriculum 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)

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: Clinical and Translational Science

Area of Emphasis: Clinical Research

Credit Hours: 45

Type of Change Requested: Addition

Term to Take Effect: Fall 2019

Rationale: Currently there are no areas of emphasis in the Clinical and Translational Science MS program. The field of clinical and translational science has become more specialized since the program started, and we need to respond to student needs by adding new areas of emphasis. This area of emphasis will train students to be future physician-scientists with a strong background in epidemiology, biostatistics, and clinical trials, as well as improve their applications to schools of medicine and other health-related disciplines.

MS IN CLINICAL AND TRANSLATIONAL SCIENCE
CLINICAL RESEARCH AREA OF EMPHASIS CURRICULUM
(All courses are required.)

Fall Semester 1

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
CTS 600	Epidemiology and Biostatistics Used in Medical Research	3 CR
CTS 635	Writing and Peer Review of Scientific Publications	1 CR
CTS 640	Clinical Trials Journal Club	1 CR
		12 CR

Spring Semester 1

BMR 603	Regulation of Cell Function	2 CR
BMR 604	Cellular Basis of Disease	1 CR
BMR 680	Seminar	1 CR
CTS 614	Online Survey Tools, Relational and Data Warehousing, and Data Manipulation	3 CR
CTS 640	Clinical Trials Journal Club	1 CR
PHS 667	Experimental Approaches to Physiology	4 CR
		12 CR

Summer Semester

BMR 785	Introduction to Research	3 CR
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Fall Semester 2

BMR 680	Seminar	1 CR
CTS 640	Clinical Trials Journal Club	1 CR
CTS 660	Molecular Phenotype of Appalachian Disorders	3 CR
PMC 621	Pharmacology I	6 CR
		11 CR

Spring Semester 2

BMR 680	Seminar	1 CR
CTS 610	Study Design and Applied Statistics in Medical Research	3 CR
CTS 640	Clinical Trials Journal Club	1 CR
PMC 622	Pharmacology II	2 CR
		7 CR

TOTAL HOURS

45

CURRENT CATALOG DESCRIPTION

Page 224

CLINICAL AND TRANSLATIONAL SCIENCE, M.S.

Program Description

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Pages 225-226

Degree Requirements

All students are required to meet the general requirements of the Graduate College for receipt of a master's degree. A minimum of 36 credit hours is required for a non-thesis degree. In addition, all students must pass a written and/or oral comprehensive exam. All students will take the following courses.

Year I Fall

- BMR 660 Communication Skills I
- BMR 680 Seminar
- CTS 600 Epidemiology and Biostatistics Used in Medical Research
- CTS 620 Basic Clinical Research Operations
- CTS 635 Writing and Peer Review of Scientific Publications
- CTS 640 Clinical Trials Journal Club

Year I Spring

- BMR 661 Communication Skills II
- BMR 680 Seminar
- CTS 610 Study Design and Applied Statistics in Medical Research
- CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
- CTS 630 Fundamentals of Team Science
- CTS 640 Clinical Trials Journal Club

Summer Semester

- CTS 650 Rural Clinic Experience

Year II Fall

BMR 680 Seminar

CTS 625 Clinical Research Operations Lab

CTS 640 Clinical Trials Journal Club

CTS 660 Molecular Phenotype of Appalachian Disorders

Year II Spring

BMR 680 Seminar

CTS 625 Clinical Research Operations

CTS 640 Clinical Trials Journal Club

EDITS TO CURRENT CATALOG DESCRIPTION

Page 224

CLINICAL AND TRANSLATIONAL SCIENCE, M.S.

Areas of Emphasis

Clinical Informatics

Clinical Research

Clinical Trials

Program Description

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Pages 225-226

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~~All students will take the following courses:~~

~~Year I Fall~~

~~BMR-660 Communication Skills-I~~

~~BMR-680 Seminar~~

~~CTS-600 Epidemiology and Biostatistics Used in Medical Research~~

~~CTS-620 Basic Clinical Research Operations~~

~~CTS-635 Writing and Peer Review of Scientific Publications~~

~~CTS-640 Clinical Trials Journal Club~~

Year I Spring

BMR-661 Communication Skills II

BMR-680 Seminar

CTS-610 Study Design and Applied Statistics in Medical Research

CTS-614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation

CTS-630 Fundamentals of Team Science

CTS-640 Clinical Trials Journal Club

Summer Semester

CTS-650 Rural Clinic Experience

Year II Fall

BMR-680 Seminar

CTS-625 Clinical Research Operations Lab

CTS-640 Clinical Trials Journal Club

CTS-660 Molecular Phenotype of Appalachian Disorders

Year II Spring

BMR-680 Seminar

CTS-625 Clinical Research Operations

CTS-640 Clinical Trials Journal Club

Clinical and Translational Science, M.S. (Clinical Informatics Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year 1 Fall

BMR-660 Communication Skills I

BMR-680 Seminar

CTS-600 Epidemiology and Biostatistics Used in Medical Research

CTS-620 Basic Clinical Research Operations

CTS-635 Writing and Peer Review of Scientific Publications

CTS-640 Clinical Trials Journal Club

Year 1 Spring

BMR-661 Communication Skills II

BMR-680 Seminar

CTS-610 Study Design and Applied Statistics in Medical Research

CTS-614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation

CTS-630 Fundamentals of Team Science

CTS-640 Clinical Trials Journal Club

Summer Semester

CTS-650 Rural Clinic Experience

Year 2 Fall

CTS 611 Machine Learning Journal Club
CTS 612 Introduction to Clinical Machine Learning
CTS 615 Introduction to Clinical Databases
CTS 616 Introduction to Clinical Programming Using C#

Year 2 Spring

CTS 611 Machine Learning Journal Club
CTS 628 Introduction to Java Clinical Programming
CTS 637 Introduction to Tableau
CTS 645 Navigating Health IT Systems for Quality Data

Clinical and Translational Science, M.S. (Clinical Research Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year 1 Fall

BMR 601	Introduction to Nucleic Acids and Proteins
BMR 602	Introduction to Cell Structure and Metabolism
BMR 680	Seminar
CTS 600	Epidemiology and Biostatistics Used in Medical Research
CTS 635	Writing and Peer Review of Scientific Publications
CTS 640	Clinical Trials Journal Club

Year 1 Spring

BMR 603	Regulation of Cell Function
BMR 604	Cellular Basis of Disease
BMR 680	Seminar
CTS 614	Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
CTS 640	Clinical Trials Journal Club
PHS 667	Experimental Approaches to Physiology

Summer Semester

BMR 785	Introduction to Research
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Year 2 Fall

BMR 680	Seminar
CTS 640	Clinical Trials Journal Club
CTS 660	Molecular Phenotype of Appalachian Disorders
PMC 621	Pharmacology I

Year 2 Spring

BMR 680	Seminar
CTS 610	Study Design and Applied Statistics in Medical Research
CTS 640	Clinical Trials Journal Club
PMC 622	Pharmacology II

Clinical and Translational Science, M.S. (Clinical Trials Area of Emphasis)

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Year I Fall

BMR 660 Communication Skills I
BMR 680 Seminar
CTS 600 Epidemiology and Biostatistics Used in Medical Research
CTS 620 Basic Clinical Research Operations
CTS 635 Writing and Peer Review of Scientific Publications
CTS 640 Clinical Trials Journal Club

Year I Spring

BMR 661 Communication Skills II
BMR 680 Seminar
CTS 610 Study Design and Applied Statistics in Medical Research
CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
CTS 630 Fundamentals of Team Science
CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year II Fall

BMR 680 Seminar
CTS 625 Clinical Research Operations Lab
CTS 640 Clinical Trials Journal Club
CTS 660 Molecular Phenotype of Appalachian Disorders

Year II Spring

BMR 680 Seminar
CTS 625 Clinical Research Operations
CTS 640 Clinical Trials Journal Club

NEW CATALOG DESCRIPTION

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CLINICAL AND TRANSLATIONAL SCIENCE, M.S.

Areas of Emphasis

Clinical Informatics

Clinical Research

Clinical Trials

Program Description

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Pages 225-226

Degree Requirements

All students are required to meet the general requirements of the Graduate College for receipt of a master's degree. A minimum of 36 credit hours is required for a non-thesis degree. In addition, all students must pass a written and/or oral comprehensive exam.

Clinical and Translational Science, M.S. (Clinical Informatics Area of Emphasis)

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CTS 620 Basic Clinical Research Operations

CTS 635 Writing and Peer Review of Scientific Publications

CTS 640 Clinical Trials Journal Club

Year 1 Spring

BMR 661 Communication Skills II

BMR 680 Seminar

CTS 610 Study Design and Applied Statistics in Medical Research

CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation

CTS 630 Fundamentals of Team Science

CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year 2 Fall

CTS 611 Machine Learning Journal Club

CTS 612 Introduction to Clinical Machine Learning

CTS 615 Introduction to Clinical Databases

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CTS 628 Introduction to Java Clinical Programming

CTS 637 Introduction to Tableau

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BMR 602 Introduction to Cell Structure and Metabolism

BMR 680 Seminar

CTS 600 Epidemiology and Biostatistics Used in
Medical Research

CTS 635 Writing and Peer Review of Scientific
Publications

CTS 640 Clinical Trials Journal Club

Year 1 Spring

BMR 603 Regulation of Cell Function

BMR 604 Cellular Basis of Disease

BMR 680 Seminar

CTS 614	Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
CTS 640	Clinical Trials Journal Club
PHS 667	Experimental Approaches to Physiology

Summer Semester

BMR 785	Introduction to Research
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Year 2 Fall

BMR 680	Seminar
CTS 640	Clinical Trials Journal Club
CTS 660	Molecular Phenotype of Appalachian Disorders
PMC 621	Pharmacology I

Year 2 Spring

BMR 680	Seminar
CTS 610	Study Design and Applied Statistics in Medical Research
CTS 640	Clinical Trials Journal Club
PMC 622	Pharmacology II

Clinical and Translational Science, M.S. (Clinical Trials Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year I Fall

BMR 660 Communication Skills I
 BMR 680 Seminar
 CTS 600 Epidemiology and Biostatistics Used in Medical Research
 CTS 620 Basic Clinical Research Operations
 CTS 635 Writing and Peer Review of Scientific Publications
 CTS 640 Clinical Trials Journal Club

Year I Spring

BMR 661 Communication Skills II
 BMR 680 Seminar
 CTS 610 Study Design and Applied Statistics in Medical Research
 CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
 CTS 630 Fundamentals of Team Science
 CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year II Fall

BMR 680 Seminar

CTS 625 Clinical Research Operations Lab

CTS 640 Clinical Trials Journal Club

CTS 660 Molecular Phenotype of Appalachian Disorders

Year II Spring

BMR 680 Seminar

CTS 625 Clinical Research Operations

CTS 640 Clinical Trials Journal Club

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: MedicineDept/Division: Clinical and Translational ScienceContact Person: Todd GreenPhone: 304-696-3531

Action Requested

Check action requested: ☒ Addition ☐ Deletion ☐ ChangeDegree Program Clinical and Translational Science MSGm70Area of Emphasis Clinical TrialsGm73 85CEffective Term/Year Fall 20 19 Spring 20 Summer 20

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 <u>[Signature]</u>	Date <u>2/27/19</u>
Registrar <u>[Signature]</u>	Date <u>2-27-19</u>
College Curriculum Chair <u>[Signature]</u>	Date <u>2/27/19</u>
College Dean <u>[Signature]</u>	Date <u>2/27/19</u>
Graduate Council Chair <u>[Signature]</u>	Date <u>3/22/19</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:

Currently there are no areas of emphasis in the Clinical and Translational Science MS program. The field of clinical and translational science has become more specialized since the program started, and we need to respond to student needs by adding new areas of emphasis. This area of emphasis will train students to lead clinical trials of new drugs and procedures.

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.

This area of emphasis is not duplicated elsewhere in the University.

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)

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: Clinical and Translational Science

Area of Emphasis Title: Clinical Trials

Credit Hours: 43

Type of Change Requested: Addition

Term to Take Effect: Fall 2019

Rationale: Currently there are no areas of emphasis in the Clinical and Translational Science MS program. The field of clinical and translational science has become more specialized since the program started, and we need to respond to student needs by adding new areas of emphasis. This area of emphasis will train students to lead clinical trials of new drugs and procedures.

MS IN CLINICAL AND TRANSLATIONAL SCIENCE
CLINICAL TRIALS AREA OF EMPHASIS CURRICULUM
(All courses are required.)

Fall Semester 1

BMR 660	Communication Skills I	1 CR
BMR 680	Seminar	1 CR
CTS 600	Epidemiology and Biostatistics Used in Medical Research	3 CR
CTS 620	Basic Clinical Research Operations	3 CR
CTS 635	Writing and Peer Review of Scientific Publications	1 CR
CTS 640	Clinical Trials Journal Club	1 CR
		10 CR

Spring Semester 1

BMR 661	Communication Skills II	1 CR
BMR 680	Seminar	1 CR
CTS 610	Study Design and Applied Statistics in Medical Research	3 CR
CTS 614	Online Survey Tools, Relational and Data Warehousing, and Data Manipulation	3 CR
CTS 630	Fundamentals of Team Science	2 CR
CTS 640	Clinical Trials Journal Club	1 CR
		11 CR

Summer Semester

CTS 650	Rural Clinic Experience	5 CR
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Fall Semester 2

BMR 680	Seminar	1 CR
CTS 625	Clinical Research Operations Lab	5 CR
CTS 640	Clinical Trials Journal Club	1 CR
CTS 660	Molecular Phenotype of Appalachian Disorders	3 CR
		10 CR

Spring Semester 2

BMR 680	Seminar	1 CR
CTS 625	Clinical Research Operations	5 CR
CTS 640	Clinical Trials Journal Club	1 CR
		7 CR

TOTAL HOURS

43

CURRENT CATALOG DESCRIPTION

Page 224

CLINICAL AND TRANSLATIONAL SCIENCE, M.S.

Program Description

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Pages 225-226

Degree Requirements

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Year I Fall

- BMR 660 Communication Skills I
- BMR 680 Seminar
- CTS 600 Epidemiology and Biostatistics Used in Medical Research
- CTS 620 Basic Clinical Research Operations
- CTS 635 Writing and Peer Review of Scientific Publications
- CTS 640 Clinical Trials Journal Club

Year I Spring

- BMR 661 Communication Skills II
- BMR 680 Seminar
- CTS 610 Study Design and Applied Statistics in Medical Research
- CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
- CTS 630 Fundamentals of Team Science
- CTS 640 Clinical Trials Journal Club

Summer Semester

- CTS 650 Rural Clinic Experience

Year II Fall

BMR 680 Seminar

CTS 625 Clinical Research Operations Lab

CTS 640 Clinical Trials Journal Club

CTS 660 Molecular Phenotype of Appalachian Disorders

Year II Spring

BMR 680 Seminar

CTS 625 Clinical Research Operations

CTS 640 Clinical Trials Journal Club

EDITS TO CURRENT CATALOG DESCRIPTION

Page 224

CLINICAL AND TRANSLATIONAL SCIENCE, M.S.

Areas of Emphasis

Clinical Informatics

Clinical Research

Clinical Trials

Program Description

The Clinical and Translational Science (CTS) Department in the Marshall University Joan C. Edwards School of Medicine offers a Master of Science (M.S.) degree in Clinical and Translational Science. The goal of this program is to equip physicians in-training and other biomedical scientists with the information and training they need to translate basic clinical advances into improved patient care that will enhance the quality of life for patients in the Appalachian region, particularly southern West Virginia.

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Pages 225-226

Degree Requirements

All students are required to meet the general requirements of the Graduate College for receipt of a master's degree. A minimum of 36 credit hours is required for a non-thesis degree. In addition, all students must pass a written and/or oral comprehensive exam.

~~All students will take the following courses:~~

~~Year I Fall~~

~~BMR-660 Communication Skills-I~~

~~BMR-680 Seminar~~

~~CTS-600 Epidemiology and Biostatistics Used in Medical Research~~

~~CTS-620 Basic Clinical Research Operations~~

~~CTS-635 Writing and Peer Review of Scientific Publications~~

~~CTS-640 Clinical Trials Journal Club~~

Year I Spring

BMR 661 Communication Skills II

BMR 680 Seminar

CTS 610 Study Design and Applied Statistics in Medical Research

CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation

CTS 630 Fundamentals of Team Science

CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year II Fall

BMR 680 Seminar

CTS 625 Clinical Research Operations Lab

CTS 640 Clinical Trials Journal Club

CTS 660 Molecular Phenotype of Appalachian Disorders

Year II Spring

BMR 680 Seminar

CTS 625 Clinical Research Operations

CTS 640 Clinical Trials Journal Club

Clinical and Translational Science, M.S. (Clinical Informatics Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year 1 Fall

BMR 660 Communication Skills I

BMR 680 Seminar

CTS 600 Epidemiology and Biostatistics Used in Medical Research

CTS 620 Basic Clinical Research Operations

CTS 635 Writing and Peer Review of Scientific Publications

CTS 640 Clinical Trials Journal Club

Year 1 Spring

BMR 661 Communication Skills II

BMR 680 Seminar

CTS 610 Study Design and Applied Statistics in Medical Research

CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation

CTS 630 Fundamentals of Team Science

CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year 2 Fall

CTS 611 Machine Learning Journal Club
CTS 612 Introduction to Clinical Machine Learning
CTS 615 Introduction to Clinical Databases
CTS 616 Introduction to Clinical Programming Using C#

Year 2 Spring

CTS 611 Machine Learning Journal Club
CTS 628 Introduction to Java Clinical Programming
CTS 637 Introduction to Tableau
CTS 645 Navigating Health IT Systems for Quality Data

Clinical and Translational Science, M.S. (Clinical Research Area of Emphasis)

All students are required to successfully complete the following curriculum.

Year 1 Fall

BMR 601	Introduction to Nucleic Acids and Proteins
BMR 602	Introduction to Cell Structure and Metabolism
BMR 680	Seminar
CTS 600	Epidemiology and Biostatistics Used in Medical Research
CTS 635	Writing and Peer Review of Scientific Publications
CTS 640	Clinical Trials Journal Club

Year 1 Spring

BMR 603	Regulation of Cell Function
BMR 604	Cellular Basis of Disease
BMR 680	Seminar
CTS 614	Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
CTS 640	Clinical Trials Journal Club
PHS 667	Experimental Approaches to Physiology

Summer Semester

BMR 785	Introduction to Research
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Year 2 Fall

BMR 680	Seminar
CTS 640	Clinical Trials Journal Club
CTS 660	Molecular Phenotype of Appalachian Disorders
PMC 621	Pharmacology I

Year 2 Spring

BMR 680	Seminar
CTS 610	Study Design and Applied Statistics in Medical Research
CTS 640	Clinical Trials Journal Club
PMC 622	Pharmacology II

Clinical and Translational Science, M.S. (Clinical Trials Area of Emphasis)

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BMR 680 Seminar
CTS 610 Study Design and Applied Statistics in Medical Research
CTS 614 Online Survey Tools, Relational and Data Warehousing, and Data Manipulation
CTS 630 Fundamentals of Team Science
CTS 640 Clinical Trials Journal Club

Summer Semester

CTS 650 Rural Clinic Experience

Year II Fall

BMR 680 Seminar
CTS 625 Clinical Research Operations Lab
CTS 640 Clinical Trials Journal Club
CTS 660 Molecular Phenotype of Appalachian Disorders

Year II Spring

BMR 680 Seminar
CTS 625 Clinical Research Operations
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NEW CATALOG DESCRIPTION

Page 224

CLINICAL AND TRANSLATIONAL SCIENCE, M.S.

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Summer Semester

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 BMR 680 Seminar
 CTS 610 Study Design and Applied Statistics in Medical Research
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Summer Semester

CTS 650 Rural Clinic Experience

Year II Fall

BMR 680 Seminar

CTS 625 Clinical Research Operations Lab

CTS 640 Clinical Trials Journal Club

CTS 660 Molecular Phenotype of Appalachian Disorders

Year II Spring

BMR 680 Seminar

CTS 625 Clinical Research Operations

CTS 640 Clinical Trials Journal Club