

Marshall University

Marshall Digital Scholar

Graduate Council Minutes

Graduate Council

10-29-2021

The Minutes of the Marshall University Graduate Council Meeting, October 29, 2021

Marshall University Graduate Council

Follow this and additional works at: https://mds.marshall.edu/gc_minutes



Part of the [Higher Education Commons](#), and the [Higher Education Administration Commons](#)



Graduate Council

MEMORANDUM

To: Dr. Jerome Gilbert – President
From: Dr. Lori Howard – Chair, Graduate Council *Lori Howard*
Date: November 12, 2021
Subject: **Approval of Graduate Council Minutes: October 29, 2021**

Attached are the minutes of the recent Graduate Council meeting for your review. Approval of these minutes will also serve as approval of curricular motions, graduate faculty status, etc. Due to the health crisis, the meeting was held via Microsoft Teams.

Please advise if you have any comments/concerns/questions.

Minutes approved.



Dr. Jerome Gilbert
President, Marshall University

11-30-2021
Date

Note to Cora Pyles, Executive Assistant to the President:

Please return the signed original to Dr. Lori Howard with .pdf copies e-mailed to:

Dr. Lori Howard, Chair, Graduate Council, howardl@marshall.edu

Dr. Conrae Lucas-Adkins, Secretary, Graduate Council, lucas26@marshall.edu

Dr. Avinandan Mukherjee Interim Provost, mukherjeea@marshall.edu

Dr. Sherri Smith, Associate VP for Academic Affairs, smithsc@marshall.edu

Dr. Carl Mummert, Interim Assistant Provost/Graduate Dean,
mummert@marshall.edu

Dr. Karen McComas, Interim Associate Vice Provost, mcomas@marshall.edu

Dr. Monica Brooks, Asst. VP Online Learning & Libraries, brooks@marshall.edu

Dr. Tammy Johnson, Exec. Director of Admissions, johnson73@marshall.edu

Dr. Sonja Cantrell, Registrar, cantrel1@marshall.edu

Dr. Mary Beth Reynolds, Associate VP Assessment, reynoldm@marshall.edu

Mr. Ethan Tackett, Office of Academic Affairs, tackett160@marshall.edu

MU Graduate Council Meeting Minutes

October 29, 2021

Virtual Meeting: Microsoft TEAMS

Members Present: Beard, Blough, Christofero, Davis, Heaton, Howard, Knipp Larison, Lawrence, Lucas-Adkins, Meadows, Thompson, Vauth, Wait

Members Absent: Egleton

Ex-Officio Members Present: Maher, Mukherjee

Ex-Officio Members Absent: none

Guests: Archambault, Coustasse-Hencke, Lankton, Mays, Mummert,

Agenda

Howard	Welcome, Introductions, Announcements
Lucas-Adkins	Approval of previous meeting Minutes (Attachment 1)
Howard	Graduate faculty status candidates (Attachment 2) Motion passed
Beard	Planning Requests
Wait	Curriculum Requests
Davis	Program Review Update
Heaton	Credentialling Committee Update
Christofero	Faculty Senate Update
Davis, Blough, Egleton	Interdisciplinary Cluster for Health Care
Howard/Mummert	Update of Graduate Studies/College
Howard	Announcements/Wrap Up

At this time, all meetings will be in TEAMS. Please reserve these meeting dates:

- November 19, 2021
- January 28, 2022
- February 25, 2022
- March 25, 2022
- April 29, 2022

Reminder: All electronic and hard copy requests for Graduate Council must be received no later than the first day of the month in which Council meets. Requests for the November 30th meeting are due November 1st

Attachments:

1. Minutes of the past meeting
2. Graduate Faculty Status Requests
3. Planning Requests
4. Curriculum Requests

Meeting called to order 1:00 PM

WELCOME, INTRODUCTIONS, ANNOUNCEMENTS

- Lori Howard introduced new student representative, Hallie Knipp. Hallie is a graduate assistant in the English department, and she is teaching ENG 101 this semester.

MINUTES OF PREVIOUS MEETING

APPROVED with amendment

(See Attachment 1)

- Amended minutes to correct error in reporting discussion of non-thesis MS in Biomedical Sciences.

GRADUATE FACULTY STATUS

APPROVED

(See Attachment 2)

PLANNING COMMITTEE

(See Attachment 3)

Accelerated Masters Degree Proposal

- From Civil Engineering Dept.: Bachelor of Science in Civil Engineering and Masters of Science in Engineering; **Motion was passed**

Request for Noncurricular Change (2)

- From Biological Sciences Dept.: Change in admissions requirements (BS and MS); Herman Mays present to discuss and answer questions; **Motion was passed.**
- From Management and HCA Dept; **Motion passed**

Request for Graduate Course Change

- From School of Pharmacy: Change in course title; **Motion passed**

Request for Addition, Deletion, Change of Area of Emphasis (2)

- From Physics/Physical Sciences Dept.; **Motion passed**
- From MS in Biomechanics- Sports Science; **Motion passed**

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

- From Management and HCA Dept.; **Motion passed**

CURRICULUM COMMITTEE

(See Attachment 4)

College of Engineering and Computer Sciences – 3 requests

- 1 Course Change (Industrial and Systems Engineering) and 2 Course Additions (Mechanical Engineering); **Motion passed**

College of Science – 1 request

- 1 Course Change (Forensic Science); **Motion passed**

College of Liberal Arts- 2 requests

- 2 Course Changes (Geography); **Motion passed**

College of Business- 1 request

- 1 Course Addition (Marketing, Management Information Systems, Entrepreneurship); **Motion passed**

College of Health Professions- 3 requests

- 1 Course Addition (Biomechanics) and 2 Course Additions (Social Work); **Motion passed**

School of Pharmacy- 16 requests

- 4 Course Changes; 12 Course Additions; **Motion passed**

PROGRAM REVIEW

Update provided by Scott Davis:

2021 Cycle- 3 programs required to submit written reports due on Nov 1: MS in Safety and MS in Env. Sciences; MS in Biomechanics; MA Journalism & Mass Comm; Scott's team will review and make recommendation at Nov meeting

MS in Health Informatics & Grad Certificates in Tech Mgt & Information Security will present a verbal report at Nov meeting

Scott shared screen to view Program Review rubric. Will be done for every degree & certificate. Click Graduate, then type in program that you are reviewing, have 3 colors to select from as far as recommendation; R- recommended M-mandated

Have 45 minutes to complete but if more time is needed be sure to hit "save"

Editorial & stylistic comments can be included in separate section

Then click "next" You will sign & submit. Once you submit you cannot make changes. Do not submit until you are completely finished

Henning asked- if both reviewers fill out form (yes said Scott). Scott will review reports from both reviewers and consult with reviewers if there are discrepancies

Scott recommends saving the PDF version & sending to program director with comments as we have done in past.

Assignments have been made and most everyone has 3 to 4 programs to review. After your individual review is done & you submit, that will go to Scott. Then you will email/send pdf to program director

Lori will be the final person to sign off on recommendations for those to be passed on to next level. Her decision will be made on behalf of GC

Deadline to Scott- Monday Dec 6th

CREDENTIALING COMMITTEE

Updates provided by Lisa Heaton:

- Completed review of Redbook files. Lisa has been in touch with colleges: COECS, COS, COLA

FACULTY SENATE

Tracy Christofero, Chair of Faculty Senate, provided updates:

- Looking at Constitution & comparing with processes, making sure dates are not in conflict; working on dynamic forms; SGA looking at recruiting additional graduate students for SGA; Carl Mummert will follow up with Alyssa about how grad students can support SGA

INTERDISCIPLINARY CLUSTER FOR HEALTH CARE

Updates provided by Scott Davis and Eric Blough:

- Eric said group is going to put forth a White Paper and investigating budgets due at end of NOV. Group will follow up with Provost Avi & Dr. Mummert
- Isaac Larison mentioned literacy being involved & working with adults who need to build literacy skills. Is there a way to connect this project with literacy? Scott said group is trying to be inclusive & accepting new ideas

GRADUATE STUDIES

Updates from Carl Mummert who is acting as graduate dean:

Lori- applauded Dr. Mummert for all of his assistance

Carl says various projects going on:

- Reviewing processes & paperwork for grad students. This involves several offices so it takes time
- Curriculum info mgt. moving forward
- Catalog integration is more technical than they realized but is moving forward
- GA Hiring memo sent out ; no significant changes from previous semesters; fall GA positions also approved for spring even if they weren't filled in fall; form on graduate studies website to document all hours of work
- Discussion of hiring of GAs for entire academic year instead of semester to semester/ Carl would like feedback on this idea

Scott brought up issue of travel ban & its effect on faculty tenure and grad student experiences. Carl requested a short description of these negative effects from Scott or anyone so he could send this to Provost.

Lori mentioned may need for GC and Faculty Senate resolution to present to Provost. Lisa H. & Isaac L. supported this because of the negative impacts

Hallie spoke as the student representative about the negative impact and advocates working for a solution

Scott mentioned that if athletes can travel then scholars should travel

Henning also talked about this ban as having impact on recruitment efforts.

FINAL ANNOUNCEMENTS

- Lori Howard announced Henning's concert that will be livestreamed on Nov. 4

Meeting Adjourned at 2:18PM

Attachment 1

MU Graduate Council Meeting Minutes

October 1, 2021 (September Meeting)

Virtual Meeting: Microsoft TEAMS

Members Present: Beard, Blough, Christofero, Davis, Egleton, Heaton, Howard, Larison, Lawrence, Lucas-Adkins, Meadows, Thompson, Vauth, Wait

Members Absent: none

Ex-Officio Members Present: Maher

Ex-Officio Members Absent: none

Guests: Day, Mummert, Nicholson, O'Byrne, Pfof, Roles

Agenda

Howard	Welcome, Introductions, Announcements
Lucas-Adkins	Approval of previous meeting Minutes (Attachment 1)
Howard	Graduate faculty status candidates (Attachment 2)
Beard	Planning Requests
Wait	Curriculum Requests
Davis	Program Review Update
Heaton	Credentialling Committee Update
Christofero	Faculty Senate Update
Davis, Blough, Egleton	Interdisciplinary Cluster for Health Care
Howard/Day/Roles	Discussion of IRB and Thesis/Dissertation Reviews Update of Graduate College Orientation on BB
Howard/Mummert	Update of Graduate Studies/College Catalog, Procedures for paperwork flow
Howard	Announcements/Wrap Up

At this time, all meetings will be in TEAMS. Please reserve these meeting dates:

- October 29, 2021
- November 19, 2021
- January 28, 2022
- February 25, 2022
- March 25, 2022
- April 29, 2022

Reminder: All electronic and hard copy requests for Graduate Council must be received no later than the first day of the month in which Council meets. Requests for the November 30th meeting are due November 1st

Attachments:

5. Minutes of the past meeting
6. Graduate Faculty Status Requests
7. Planning Requests
8. Curriculum Requests

Meeting called to order 1:00 PM

WELCOME, INTRODUCTIONS, ANNOUNCEMENTS

- Lori Howard announced that Executive Session was needed before adjournment of today's meeting.

MINUTES OF PREVIOUS MEETING

APPROVED

(See Attachment 1)

GRADUATE FACULTY STATUS

APPROVED

(See Attachment 2)

- Discussion about why some faculty do not have ending terms listed. Lori Howard explained the issue had to do with printing from Banner, and Brian Morgan is aware. Until Banner creates the year, it will not appear on printed form. Graduate faculty status is granted for 5 years in all programs except medical school. Graduate status for medical school faculty is 3 years.

PLANNING COMMITTEE

(See Attachment 3)

Literacy Education

- Noncurricular Change request from Literacy Ed. for purposes of clarifying language in catalog. Committee recommended approval of the request; **Motion was passed**

Counseling

- Noncurricular change request pertaining to Certificate of Advanced Studies in Violence, Loss, and Trauma Counseling.
- Motion to approve with change of effective date to spring 22; **Motion was passed with edit to effective date.**

Biomedical Sciences

- Noncurricular change request for non-thesis MS
- Recommendation from Committee: table; deletion forms need to be completed for course deletions and for MS-PharmD option to no longer be available
- Discussion: Eric Bough questioned not having thesis for the MS degree; said usually the traditional MS requires one but MA does not. Richard Egleton explained rationale for not having thesis in this instance. Tracy Christofero said that several grad programs at MU that award MS degrees do not require theses (ex. computer science). Bonnie Lawrence added that masters in math is MA, but several students choose thesis, so perhaps they could change to MS in math; Bonnie was thinking the same way as Eric- that MS requires thesis.
- **Motion to table decision passed**

CURRICULUM COMMITTEE

(See Attachment 4)

College of Health Professions

- 3 course changes and 2 course additions for Physical Therapy
- Typographical error made to number of credit hours for PT 748; correct number is 1 hour. (This was corrected before meeting)
- Motion to approve made by committee; **Motion was passed.**

College of Education and Professional Development

- 2 course additions for Leadership Studies
- Motion to approve made by committee; **Motion was passed.**
- Addendum to agenda- Oct. 5
Motion to approve EDF 635 to be changed to C and I (Curriculum and Instruction) 735 to better serve doctoral students in the Curriculum and Instruction program.
- **Per electronic vote on Oct. 5th by GC committee- Motion to change EDF 635 to CI 735 was passed.**

PROGRAM REVIEW

Updates provided by Scott Davis and Bonnie Lawrence:

- 13 programs & 13 certificates to review housed in COEPD, COS, COLA
- Group working on dynamic forms for this process; Scott shared the dynamic form with recommendation options & decision tree; still in development but will allow council member to select a color corresponding with their recommendation for approval; goal is for this to increase consistency among members; once Grad Council meets and votes then Lori Howard would add her signature on our behalf and then it would move forward for other signatures. This is pilot year
- Lori Howard- discussed programs of concern from last year. Discussion with Mary Beth Reynolds about how these updates regarding corrective actions could be shared with council. One idea is for a representative from that program to come provide verbal updates at GC meeting to avoid paperwork process
- Bonnie & Scott recommended that reviews from last year, of which concerns were noted, be shared again with council (Lori discussed move of program from one college to another last year. Would like update on health of program given its move)
- Tracy Christofero offered discussion- it may make sense to give programs a year to implement on corrective actions before asking them for an update. She gave her program move from one college to another as an example. Bonnie said perhaps she could give the plans for addressing the issues since the move of the program. Lori said Tracy could provide this info to council in Nov (plans for improvement are fine, ok that they have not been implemented yet)
- Scott and Mary Beth are discussing timelines with reviews being due at same time as grades. Scott said we should know our program review assignments at next meeting. The issue with timing is result of when programs submit their info.

CREDENTIALING COMMITTEE

Lisa Heated provided updates:

- 3 colleges under review this year COLA, COS COESC
- Thought there would be new form through Courseleaf but due to issues with confidentiality the system will not work - so will move forward with TEAMS for this process
- Lori Howard applauded Lisa for her efforts with the updated forms and attempts with Courseleaf, but unfortunately there were issues with the Courseleaf system, preventing it from being used

FACULTY SENATE

Tracy Christofero, Chair of Faculty Senate, provided updates:

- COB & Huntington campus: Apartments for staff & administration
- With space under apartments for retail and restaurants (Fairmont Properties would like faculty reps to give input. Tracy asked for GC representation, because she only had 3 volunteers from Faculty Senate and there needs to be 7)
- Also, need for grad student & undergrad representation on some GC standing committees. Tracy is in discussion with SGA & student president. The problem is not

having mechanism for finding graduate students to be involved. Tracy asked council to encourage interested grad students to contact Alyssa Parks or Tracy if interested. Isaac L. suggested that Dean Eagle be given info to share with doc students in COEPD because they need service opportunities; Richard E. said he would share with PhD students

INTERDISCIPLINARY CLUSTER FOR HEALTH CARE

Updates provided by Scott Davis, Eric Blough and Richard Egleton

Sept. 8th group gave presentation to Dean's council about Institute of Aging. Eric provided GC with summary that was given to dean's council including:

- why WV is good placement for this center.
- Want center to be: Interdisciplinary, collaborative, multiple stakeholders, to include different areas of research
- Discussed mission, goals, and potential outcomes for the institution.
- Funding possibilities
- Potential national and statewide stakeholders

Lori Howard applauded the work on this presentation & said response was positive

Egleton said there is a lot of enthusiasm across colleges for the center

IRB AND THESIS/DISSERTATION REVIEWS GRADUATE COLLEGE ORIENTATION ON BB

Updates provided by Bruce Day, Eryn Roles:

Bruce Day-

- Most institutions ask advisors to determine if student's project is human research or not. Years ago, Dr. Day was asked by provost to become involved to help clarify and provide letter.
- Federal research dollars are connected to MU's appropriate approval for human subject approval
- Needs to be something before thesis begins signed by students and professor that student has read info on website & understands steps to follow to avoid last minute letter request to Day or even the bypassing of this step. Erin came up with the form.
- Richard Egleton discussed the process for medical school to confirm that students have followed procedure for getting approval as an example.
- John Maher said problem is that students begin research before approval. We could lose our license to do human subject research because of these problems.
- Lori said this is VITAL for GC to communicate to faculty
- Faculty advisors are responsible for ensuring students know the process of obtaining permission for human subject research BEFORE this project begins. Not following procedure could result in federal crime. Need to protect integrity of university.
- The main problem lies with theses and capstone projects not dissertations.

Eryn Roles- is chairing dissertation & thesis review process in library

- She shared screen of graduate orientation modules and gave credit to Sarah Mollette for creation
- Right now, there is work being done on adding module with tutorial for ETD & research process
- There is a dynamic form (it is not live yet) for students to sign saying they have learned the process. Recommendation is for a form to be signed by students at different points in time as they progress through the research process.
- Lori Howard praised the library team for all of their work and support of students in the research process
- On graduate school website, Eryn has ETD info, timelines, and encourages students & faculty to direct questions to her team. Due dates are there, and students need to see the dates and adhere to them. Team needs time to complete the review process

Carl Mummert-

- There are 2 times for reaching out to students about IRB/ETD: 1) when they are accepted in grad school, they will have the general modules and 2) when they enroll for thesis credit. Will roll out a test this semester for what Sarah discussed & use the new dynamic form. Fall 22 is goal for total roll out

Richard Egleton-

- Mentioned all programs including a 1 credit hour course that includes research ethics, process, etc. OR documenting way that they are providing the info to students as ideas

Lori Howard is open to discussions about ways to ensure research integrity

Lisa Heaton-

- Discussed COEPD's doc programs and how these topics are already being addressed in seminar and through other courses

GRADUATE STUDIES

Updates from Carl Mummert who is acting as graduate dean:

- ETD review process
- Paperwork & procedure and documenting workflow; Carl is working on these and hopes to have info to colleges within next 2 weeks
- Listening tour with deans- identify issues from colleges about graduate procedures
- Grad Catalog is moving forward, working toward how process can evolve to speed up dissemination of catalog
- Grad Student Association does not exist but it is listed in the catalog. Lori Thompson volunteered to research the existence of this association. Want this to be active
- Benefit of earlier deadlines is for student to know if they've finished requirements for graduation; need to get ETD process fine-tuned so team can manage submissions
- Grad Studies website needs updates, but all forms should be up to date now; let Carl know if you see problems
- Advisors/faculty need to send student to the page with the forms so they can access updated forms as opposed to downloading copies and retaining those on file for dissemination to students

2:41 PM: Guests were dismissed from meeting

- Lisa Heaton made motion to move to Executive Session.
- **Motion approved**

2:42 PM: Move to Executive Session

2:46 PM: Return from Executive Session

- Lisa Heaton made motion to approve discussion for Executive Session
- **Motion approved**

Meeting adjourned 2:47 PM

Attachment 2

Graduate Faculty Status Requests

Type	Faculty Member	College	Department/Division	Graduate Faculty Level	Term Start	Term Expires
Delete	Woods, Michael	COLA	HST	Graduate	1/14/2019	
Edit	Clemins, Sarah	COHP	Communication Disorders	Instructor	1/19/2021	5/5/2023
Edit	Dikener, Solen	CAM	Music	Graduate	8/23/2021	12/5/2026
Edit	Emmett, Dennis	COB	Management/Marketing/MIS	Doctoral	8/23/2021	12/5/2026
Edit	Primerano, Donald	SOM	Biomedical Sciences	SOM	8/23/2021	12/7/2024

Attachment 3

Planning Requests

Planning Committee Report - October 2021

Accelerated Masters Degree Proposal

Department: Civil Engineering Department (BSCE & MSE-EM degree)

Request:

Bachelor of Science in Civil Engineering and Masters of Science in Engineering

Allowable credits: 12 credit hours

Student eligibility requirements: Over-all GPA of 3.30 and in-major GPA of 3.30

Committee Recommendation: Approve

Request for Non-Curricular Change

Department: Biological Sciences (MA and MS)

Request:

Change in admission requirements

Committee Recommendation: Approval

Request for Graduate Course Change

Department: School of Pharmacy - Experiential

Request:

PHAR 885 Course title change from Geriatrics to Transitions of Care

Corrections Needed Before Approval

DONE and approved

Request for Addition, Deletion, Change of Area of Emphasis

Department: Physics/Physical Sciences - MS in Physics and Applied Sciences

Request:

A change in the name of the Area of Emphasis in Physics to Area of Emphasis in Physics for Teachers in order to avoid confusions with the Major in Physics within the same Degree Program, and to clearly reflect the targeted audience.

Corrections Needed Before Approval

DONE and approved

Request for Addition, Deletion, Change of Area of Emphasis

Department: MS Biomechanics - Sports Science

Request:

Updating admissions standards for the MS Biomechanics and MS Biomechanics - Sports Science AOE Clarifying thesis/practicum/comprehensive exam requirement for MS Biomechanics majors.

Replacing the HS 578 course within the AOE with a program specific practicum class (HS 665).

Adjusting HS 665 required hours to 3-6 credit hours rather than 6 credit hours.

Adjusting elective hours from 3 to 3-6 credit hours.

Corrections Needed Before Approval

DONE and approved

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

Department: Applied Sciences and Technology (MS Environmental Sciences)

Request:

The MS Environmental Science is to be changed to the MS Environmental, Safety and Health, in effect merging the MS ES with the MS Safety. The MS Safety will continue until all current students have completed the program. All new students will be enrolled in the MS ESH beginning Spring 22. The reason for this change reflects how these fields interact and overlap in business and industry.

Corrections Needed Before Approval

DONE and approved

Request for Addition, Deletion, or Change of a Certificate

Department: Management and HCA - Online Data Analytics in Healthcare

Request:

Make the certificate program more flexible for students by giving them more choices in classes and by only requiring classes that are taught every semester. Also, admission requirements will be made to match those of the MS Health Informatics degree program.

Corrections Needed Before Approval

DONE and approved

AND

Request for Non-Curricular Changes

Department: Management and HCA - Online Data Analytics in Healthcare

Request:

Take the word "Online" out of the title

approved

TENTATIVE ITEMS AWAITING REQUESTED CHANGES

UNFINISHED BUSINESS FROM PREVIOUS MEETINGS

Biomedical Sciences - Noncurricular changes

Program - Medical Sciences non-thesis MS

The non-thesis Medical Sciences M.S. degree program is for students wanting to improve their application to a health profession school, particularly medical school. Students take courses along with medical students in the first two years' (preclerkship) curriculum at the Marshall University Joan C. Edwards School of Medicine (JCESOM). The preclerkship curriculum at the JCESOM changed in the 2020-21 academic year. To make the Medical Sciences curriculum relevant to students entering the program in 2020 and 2021, the program courses were changed. The catalog change reflects the new curriculum. Because of the change in the curriculum, the joint M.S.-Pharm.D. degree is not an option for students and should be deleted from the catalog. And some minor changes were made to the admissions requirements to differentiate the Medical Sciences M.S. program from the other graduate programs in the School of Medicine.

Committee Recommendation: table; deletion forms need to be completed for course deletions and for MS-PharmD option to no longer be available

Effective date - Fall 2021 and question if friendly amendment needed to change to a later date

ATTACHMENT 4

Curriculum Requests October 2021

College of Engineering and Computer Sciences – 3 requests

Course Change (1)

1. Change: Title

Department: Industrial and Systems Engineering

/ Title (old): ES 514 – Environmental Risk Assessment

/ Title (new): ES 514 – Risk Assessment and Toxicology

Rationale: More closely describes course content

Catalog Desc: The course will provide a comprehensive review of currently used methods and applications of risk assessment in environmental science and engineering. The course will focus on the analysis of potential risks in all media, and will include state and federal requirements and guidelines for human health and ecological risk assessment.

Course Additions (2)

1. Department: Mechanical Engineering

/ Title: ME 619 – Fuel Cell Technology

Description: Fundamentals and applications of fuel cell and hydrogen technology. It includes thermodynamics, electrochemical kinetics, fuel cell electrode catalysts, fuel cell systems, fuel reforming, hydrogen production, storage, safety.

Prerequisite: None

First Offered: Fall 2022

Credit Hours: 3

2. Department: Mechanical Engineering

/ Title: ME 622 – Design of Wind Farms

Description: Design and operation of wind farms. Topics include wind energy principles, wind site assessment, components, power generation

machinery, control systems, connection to the electric grid and transmission, and energy storage.

Prerequisite: None
First Offered: Fall 2022
Credit Hours: 3

College of Science – 1 request

Course Change (1)

1. Change: Title
Department: Forensic Science
/ Title (old): FSC 600 – Cell and Molecular Biology
/ Title (new): FSC 600 – Molecular Biology
Rationale: To better reflect course content and industry standards
Catalog Desc: A study of the molecular biology of the cell and its organelles, cell interactions, and differentiation.

College of Liberal Arts – 2 requests

Course Change (2)

1. Change: Title and Course Description
Department: Geography
/ Title (old): GEO 518 – Geography for Teachers
/ Title (new): GEO 518 – Geography for Educators
Rationale: Title change reflect demand for this class from some community college educators in our MA Geography program. Description change reflects slightly new direction for the course content.
Old Description: A study of elements of geography most essential for effective teaching of geographic content in elementary education and the social studies.
New Description: A study of geographic concepts, methods, and technologies essential for effective teaching of geographic content for K-12 social studies teachers and college educators.

2. Change:	Title and Course Description
Department:	Geography
# / Title (old):	GEO 530 – GIS – Raster Analysis
# / Title (new):	GEO 530 – Environmental Raster GIS
Rationale:	The new title reflects the environmental nature of the course contents. This change in description also emphasizes the environmental nature of the course content.
Old Description:	GIS raster analysis, including local, neighborhood, and zonal operations, terrain analysis, building raster databases, distance modeling, and surface interpolation. Data collection and input from readily available sources, creation of custom data using GPS, and advanced spatial analysis using GIS
New Description:	Environmental Applications of GIS raster analysis, including local, neighborhood, and zonal operations, terrain analysis, distance modeling, and surface interpolation, data collection and input, and advanced spatial analysis using GIS.

College of Business – 1 request

Course Addition (1)

1. Department:	Marketing, Management Information Systems, & Entrepreneurship
# / Title:	MIS 670 – Business Systems Project Management
Description:	This course presents concepts, structures and experiential learning strategies to help lead and participate in successful business systems projects using the Project Management Institute's (PMI's) methodology.
Prerequisite:	None
First Offered:	Spring 2022
Credit Hours:	3

College of Health Professions – 3 requests

Course Additions (3)

1. Department:	Biomechanics
# / Title:	HS 665 – Sports Science Practicum
Description:	This course will provide supervised practical experience in the area of sports science. Students will be provided with the

opportunity to apply their knowledge of sport science, performance, and testing/monitoring in an athletic setting.

Prerequisite: None
First Offered: Spring 2022
Credit Hours: 3-6

2. Department: Social Work
/ Title: SWK 683 – Ethical Leadership in Human Services

Description: Course is designed to enhance students' skills and abilities in management or leadership positions in human service settings and includes elements of management and leadership theory and application of ethical supervision and practice standards.

Prerequisite: None
First Offered: Spring 2022
Credit Hours: 3

3. Department: Social Work
/ Title: SWK 684 – Rape Culture: Trauma and Victim Biases

Description: This elective course will explore the phenomenon of rape (sexual assault) based on the experiences of the person who reports the event instead of charges on the perpetrator.

Prerequisite: None
First Offered: Spring 2022
Credit Hours: 3

School of Pharmacy – 16 requests

Course Changes (4)

1. Change: Course Number
Department: Pharmacy Science & Research
/ Title (old): PHAR 545 – Therapeutics I
/ Title (new): PHAR 641 – Therapeutics I

Rationale: The school is revising its curriculum. As part of this revision we would like to respectfully request the ability to move this course from P1 to P2 year on the basis of input from our students, external stakeholders and faculty.

Catalog Desc: Students will learn about the therapeutic use, human physiology, pharmacologic and chemical properties of over-the-counter medication and non-medication interventions for both treatment and prevention of disease.

2. Change: Course Number

Department: Pharmacy Practice, Administration & Research

/ Title (old): PHAR 722 – Patient Safety

/ Title (new): PHAR 641 – Patient Safety

Rationale: The school is revising its curriculum. As part of this revision we would like to respectfully request the ability to move this course from P3 to P2 year on the basis of input from our students, external stakeholders and faculty.

Catalog Desc: Further professional development in the management of patient safety policies and procedures. Areas covered include: robotics, medication reconciliation, discharge planning, risk management, and other methods of improving patient safety.

3. Change: Course Title and Catalog Description

Department: Experiential Learning

/ Title (old): PHAR 885 – Geriatrics

/ Title (new): PHAR 885 – Transitions of Care

Rationale: Course is changing to encompass new areas of clinical practice. This will more closely reflect care provided to seniors and others across a variety of practice settings (nursing home care, assisted living, acute hospitalization, ambulatory services, and community based pharmacy services) rather than just a specialized geriatric service.

Old Catalog Desc: The Geriatrics APPE is a 5 week experiential rotation that focuses on the provision of clinical pharmacy services and quality pharmacy care in a variety of settings with a focus on caring for the unique needs of the elderly. Practice sites may include community pharmacies, specialty clinics, rehabilitation hospitals, skilled nursing facilities, home-based consult services,

psychiatric facilities, hospital based geriatric units, and assisted living facilities.

New Catalog Desc. The Transitions of Care APPE focuses on the provision of clinical pharmacy services and quality care in a variety of settings that cater to the unique needs of patients. Practice sites may include community pharmacies, specialty clinics, rehabilitation hospitals, home-based consultation services, hospital-based geriatric units, psychiatric, skilled nursing, and assisted living facilities. Special emphasis will be placed on addressing the unique needs of geriatric patients and patients living with multiple chronic disease states.

4. Change: Course Title & Catalog Description

Department: Pharmacy Science & Research

/ Title (old): PHAR 635 – Research Outcomes Patient Care

/ Title (new): PHAR 635 – Research Outcomes and Statistics

Rationale: Our curricular revision team respectfully requests permission to change the title of this course so that it better reflects the new content and goals of this course.

Catalog Desc (old): The fundamentals of clinical and outcomes research will be discussed and applied to patient care. Students will gain an understanding of study design, research methods, statistical analysis, and pharmacotherapy.

Catalog Desc (new): The fundamentals of clinical and outcomes research will be discussed and applied to patient care. Students will gain an understanding of study design, research methods, statistical analysis, and research in pharmacy.

Course Additions (12)

1. Department: Pharmacy Science & Research

/ Title: MSPS 544 – Principles of Disease and Drug Action

Description: Topics covered include the concepts and mechanisms of the basic processes underlying disease and pathophysiology; the general principles underlying drug action and therapeutics, including receptor pharmacology, enzyme inhibition and pharmacology; the relationship between drug concentration at the target tissue and drug effect; as they relate to drug action, and individual variation in response to drug action, nutrition, and biochemical processes.

Prerequisite: None

First Offered: Spring 2022

Credit Hours: 4

2. Department: Pharmacy Science & Research
/ Title: MSPS 561 – Biopharmaceutics I

Description: Topics covered include the physicochemical principles of pharmacy, such as acid-base theory, solubility, physical states of drugs, thermodynamics, drug stability, excipients, surfactants, dispersions, polymers, drug delivery, chemical compatibility and interactions of drugs in various dosage forms.

Prerequisite: None

First Offered: Fall 2022

Credit Hours: 3

3. Department: Pharmacy Science & Research
/ Title: MSPS 562 – Biopharmaceutics II

Description: Topics covered include mechanisms of both immediate and sustained drug release in formulations involving solid and semi-solid systems; introduction to novel drug delivery systems; drug pre-formulation, the drug approval processes, and regulations governing the pharmaceutical industry; drug preparation, liberation, absorption and stability dosage.

Prerequisite: None

First Offered: Spring 2022

Credit Hours: 3

4. Department: Pharmacy Practice, Administration & Research
/ Title: PHAR 503 – Pharmacy Continuing Professional Development
Description: Pharmacy Continuing Professional Development is a required course designed to expose students to various continuing professional development activities.

Prerequisite: None

First Offered: Fall 2022

Credit Hours: 0

5. Department: Pharmacy Practice, Administration & Research
/ Title: PHAR 504 – Pharmacy Continuing Professional Development
Description: Pharmacy Continuing Professional Development is a required course designed to expose students to various continuing professional development activities.

Prerequisite: None

First Offered: Fall 2022
Credit Hours: 0

6. Department: Pharmacy Practice, Administration & Research
/ Title: PHAR 636 – Pharmacy Skills Lab III

Description: Students will learn foundational patient care skills necessary for practice as a pharmacist. Students will apply knowledge, demonstrate critical-thinking and problem-solving skills, practice technical and communication skills, and demonstrate professional behavior in the therapeutic decision making process.

Prerequisite: PHAR 512, 538

First Offered: Fall 2022

Credit Hours: 3

7. Department: Pharmacy Practice, Administration & Research
/ Title: PHAR 637 – Pharm Skills Lab IV

Description: Students will learn foundational patient care skills necessary for practice as a pharmacist. Students will apply knowledge, demonstrate critical-thinking and problem-solving skills, practice technical and communication skills, and demonstrate professional behavior in the therapeutic decision making process.

Prerequisite: PHAR 512, 538, 636

First Offered: Spring 2023

Credit Hours: 3

8. Department: Pharmacy Practice, Administration & Research
/ Title: PHAR 643 – Therapeutics III GI, Hepatic and Renal

Description: Students will learn about the pharmacology, pathophysiology, and therapeutics associated with commonly encountered gastrointestinal, hepatic, and renal disorders. Activities emphasized include patient assessment, consultation, communication, drug monitoring, drug effectiveness, and the professional and legal dynamics encountered in pharmacy practice.

Prerequisite: P2 standing

First Offered: Spring 2023

Credit Hours: 4

9. Department: Pharmacy Science & Research
/ Title: PHAR 644 – Therapeutics 4: Endocrine

Description: Students will learn about therapeutic and prophylactic treatments for diseases of the endocrine, genitourinary and reproductive systems. Use of medication and non-medication interventions will be emphasized, as deemed appropriate. This course will emphasize performance of the activities of the pharmacist as a health care provider

Prerequisite: P2 standing
First Offered: Spring 2023
Credit Hours: 4

10. Department: Pharmacy Science & Research
/ Title: PHAR 652 – Therapeutics 3: Cardiology
Description: Students will learn about the therapeutic interventions for the treatment and prevention of cardiovascular and pulmonary diseases. Exploration of normal human physiology, disease pathophysiology, and the pharmacologic and chemical properties of medications will precede discussions of therapeutic use. This course will emphasize performance of the activities of the pharmacist as a health care provider.

Prerequisite: P2 standing
First Offered: Spring 2023
Credit Hours: 4

11. Department: Pharmacy Practice, Administration & Research
/ Title: PHAR 662 – Pharmacy Administration
Description: Provides students with a functional working knowledge of the healthcare system and business environment. Concepts examined include but are not limited to: leadership, operations management, health policy, motivation theories, employment issues, labor law, pharmacoeconomics, business planning, and financial analysis of pharmacy operations.

Prerequisite: P2 standing
First Offered: Fall 2022
Credit Hours: 6

12. Department: Pharmacy Practice, Administration & Research
/ Title: PHAR 743 – Therapeutics IX: Hematology and Oncology
Description: Students will learn treatment / prevention of heme-onc diseases including the physiology, pathophysiology, pharmacology and therapy. Activities emphasized include patient assessment, consultation monitoring, communication, and drug effectiveness (safety, interactions, and adverse events).

Prerequisite: P2 standing
First Offered: Spring 2023
Credit Hours: 4