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: _College of Health Professions and Lewis College of Business_____

Contact Person: _Nancy Lankton_____ Phone: 6-2656_____

Rationale for Request:

See attached.

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 Nancy K Lankton Date 12/5/19

Registrar _____ Date 12/6/19

College Curriculum Committee Chair _____ Date 9 DEC 19
(or Dean if no college curriculum committee)

Graduate Council Chair _____ Date _____

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

Form updated 1/2017

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 attached.

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 attached.
No edits needed – just move the description to the Lewis College of Business sight after the HEALTH INFORMATICS, M.S. section.

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 attached.
No edits needed – just move the description to the Lewis College of Business right after the HEALTH INFORMATICS, M.S. section.

Request for Graduate Non-Curricular Changes – Page 5

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

Type of change request:

Change in College offering the certificate program.

Department:

Change from College of Health Professions to Lewis College of Business

Degree program:

Graduate Certificate in Online Data Analytics in Health Care

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

Fall 2019

Rationale for Request:

This non-curricular change form is to change the Graduate Certificate in Online Data Analytics in Health Care certificate program from the College of Health Profession (COHP) to the Lewis College of Business (LCOB).

This change is needed because Girmay Berhie, the Chairperson of the Health Informatics MS degree, including the two graduate certificate programs – the online data analytics in health care and the nursing informatics certificate programs, has resigned. Because of problems in the long-term sustainability of staffing this program, Dean Prewitt and Dean Avi Mukherjee agreed that the LCOB might be better equipped, in terms of faculty and expertise, to run the program. This change is appropriate and in the best interests of each College, and the University as a whole, for the following reasons:

1. In Fall 2019, 69% (27 out of 39 total credit hours) of the courses in the Health Informatics MS degree programs are being taught by the LCOB.

2. The LCOB already has degree programs in fields related to Health Informatics. It has an undergraduate degree in Health Care Management, a MS degree in Health Care Administration, and a Doctor of Management Practice in Nurse Anesthesia (DMPNA). Its proposed DBA program will have a concentration in health care management. Additionally, the LCOB's MBA program has a concentration in health care administration.

3. The LCOB has numerous faculty with expertise in health informatics and related areas (see lists below). Dean Avi Mukherjee actively publishes in the health care area.

   Faculty teaching health care courses:
   - Dr. Alberto Coustasse, Full Professor
   - Dr. Doohee Lee, Full Professor
   - Dr. Dennis Emmett, Full Professor
   - Dr. Kent Willis, Assistant Professor

   Faculty teaching management information systems courses:
   - Dr. Rick Weible, Full Professor
   - Dr. Anil Gurung, Full Professor
   - Dr. Dale Shao, Full Professor

   Faculty teaching business analytics and legal environment courses:
   - Dr. Lanham, Assistant Professor
   - Dr. Subedi, Full Professor
   - Dr. Zhang, Assistant Professor
   - Dr. Fnu, Assistant Professor
   - Casey Baker JD, Assistant Professor
   - Olen York JD, Instructor

   Faculty teaching health care related management and strategy courses in the DMPNA program:
   - Dr. McInerney, Full Professor
   - Dr. Emmitt, Full Professor

- Dr. Lee, Full professor
- Dr. McClure, Associate Professor
- Dr. Muslin, Associate Professor
- Dr. Sollosy, Associate Professor

4. The LCOB was a critical partner in the design, development, and introduction of the MS in Health Informatics program. Faculty from the LCOB designed and taught courses that originally accounted for 31% (12 out of 39) of the degree program.

5. In response to a request by Dean Michael Prewitt and Provost Jaime Taylor, the LCOB agreed to manage the MS in Health Informatics program starting in Fall 2019. This included recruiting individuals, providing advising support, collecting assessment documentation, and directing accreditation requirements for the program. The investment of LCOB in ensuring a smooth transition without additional resources will benefit the students, Colleges, and University over the long term. The LCOB has met with all students along with Dean Prewitt, and the students are excited about the transition.

1. Current Catalog Description

Graduate Certificate in Online Data Analytics in Health Care

Data analytics is the process of acquiring, extracting, integrating, transforming, and modeling data with the goal of deriving useful information. Its application is growing rapidly in health care organizations across the globe. Data Analytics in Health Care enables the systematic use of data to drive fact-based decision-making to assist in health care planning, management and measurement. However, many organizations lack the knowledge to effectively utilize data analytics. As a result, according to a survey published by Journal of AHIMA (2015), healthcare big data analytics and informatics skills will be among the most sought-after competencies for health information management (HIM) professionals in the next few years.

The Marshall University Online Data Analytics in Health Care certificate is designed to provide health care professionals with the skills required to compete for data analysis jobs amid rising demand in the health care industry. The certificate program will explore the intricacies of data analytics and expose students to various topics related to data processing, integration, analysis, and visualization. Individuals who complete this program will have a solid framework of data analytics methodologies accompanied by exposure to the tools used for knowledge discovery pertinent to health care.

The certificate is intended for students who are interested in transforming the massive data being produced in the health care industry into meaningful information. They are the individuals who want to determine what decisions or actions should be taken to generate value from the healthcare data produced every day.

Admission Requirements

Applicants should follow the admissions process described in the Graduate Catalog, or at the Graduate Admissions website at www.marshall.edu/graduate/admissions/how-to-apply-for admission. (Submit all materials to the Graduate Admissions Office.) Students must have an undergraduate Grade Point Average (GPA) of 3.0 or higher on a 4.0 scale for all previously completed undergraduate university work, and ORE scores from ORE test taken within the past five years.

Program Requirements

Students must take the following courses:
HP 605 EHR & PHR (3 Credit Hours)
HP 610 Health Care Statistics (3 Credit Hours)
HP 630 Research Methods and Data Analytics for Health Informatics (3 Credit Hours)
IS 535 Applied Health Care Databases (3 Credit Hours) OR IS 623 Database Management
IS 545 Health Care Data Analytics and Visualization (3 Credit Hours)

Courses in this certificate program can also be applied to a master's degree in health informatics.

2. Edits to the Current Description

(No edits needed - just move the description to the Lewis College of Business right after the HEALTH INFORMATICS, M.S. section.)

Graduate Certificate in Online Data Analytics in Health Care

Data analytics is the process of acquiring, extracting, integrating, transforming, and modeling data with the goal of deriving useful information. Its application is growing rapidly in health care organizations across the globe. Data Analytics in Health Care enables the systematic use of data to drive fact-based decision-making to assist in health care planning, management and measurement. However, many organizations lack the knowledge to effectively utilize data analytics. As a result, according to a survey published by Journal of AHIMA (2015), healthcare big data analytics and informatics skills will be among the most sought-after competencies for health information management (HIM) professionals in the next few years.

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Students must take the following courses:
HP 605 EHR & PHR (3 Credit Hours)
HP 610 Health Care Statistics (3 Credit Hours)
HP 630 Research Methods and Data Analytics for Health Informatics (3 Credit Hours)
IS 535 Applied Health Care Databases (3 Credit Hours) OR IS 623 Database Management
IS 545 Health Care Data Analytics and Visualization (3 Credit Hours)

Courses in this certificate program can also be applied to a master's degree in health informatics.

3. **New Catalog Description**

(No edits needed - just move the description to the Lewis College of Business right after the HEALTH INFORMATICS, M.S. section.)

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IS 535 Applied Health Care Databases (3 Credit Hours) OR IS 623 Database Management
IS 545 Health Care Data Analytics and Visualization (3 Credit Hours)

Courses in this certificate program can also be applied to a master's degree in health informatics.