Request for Graduate Addition, Deletion, or Change of a Certificate

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.**
NOTE: If proposing a new certificate, please read this first:
www.marshall.edu/graduate/graduatecouncil/certificatespolicy/certificatepolicy.pdf

College: COHP/LCOB

Dept/Division: NA

Contact Person: Nancy Lankton

Phone: 304-696-2656

Name of Certificate: Graduate Certificate in Nursing Informatics

Check action requested: ☐ Addition   ☐ Deletion   ☒ Change

Effective Term/Year   Fall 20 ☐   Spring 20 [20]   Summer 20 ☐

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

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

Dept. Chair/Division Head *Nancy K Lankton* Date 12/3/19

College Curriculum Committee Chair _____ Date 9 DEC 19

College Dean *Avinandan Mukherjee* Date 12/9/2019

Graduate Council Chair _____ Date _____

Provost/VP Academic Affairs _____ Date _____

Presidential Approval _____ Date _____

Form updated 10/2011

Please provide a rationale for addition, deletion, change:

See attached.

Please describe any changes in curriculum:
List course number, title, credit hours. Note whether each course is required or optional. Enter NONE if not change.

NONE

1. **ADDITIONAL RSOURCE REQUIREMENTS:** If your program requires additional faculty, equipment or specialized materials to ADD or CHANGE this certificate, attach and 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-BUSPLICATION: 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. Tneter NONE if not applicable.

NONE

Form updated 10/2011

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.

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

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 d3escription. (May attach a separate page if needed).

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

Form updated 10/2011

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:

Change from College of Health Professions to Lewis College of Business (LCOB)

Name of Certificate:

Graduate Certificate in Nursing Analytics

Credit hours:

18 Credit hours

Type of change request:

Change in College offering the certificate program.

Rationale:

The COHP and the LCOB are submitting this change to move the Graduate Certificate in Nursing Analytics from the College of Health Professions (COHP) to the Lewis College of Business (LCOB). This change is necessary because Girmay Berhie, the Chairperson of the Health Informatics MS degree and the two graduate certificate programs, has resigned. Because of problems in the long-term sustainability of staffing this program, Dean Prewitt and Dean Murkherjee 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. The LCOB is teaching five out of six of the courses in the certificate program. It already has other health care-related programs and has numerous faculty with expertise in the area. The LCOB has helped facilitate a smooth transition of the health Informatics MS program during fall 2019.

Form updated 10/2011

Rationale for Request:

This certificate change form is to change the Graduate Certificate in Online Data Analytics in Health Care 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.

6. CURRENT CATALOG DESCRIPTION

Graduate Certificate in Nursing Informatics

According to the American Nurse Association (ANA), nursing informatics is a specialty that integrates nursing science, computer science, and information science to manage and communicate data, information, knowledge, and wisdom in the nursing practice. The ultimate goal of Nursing Informatics is to improve patient health through information technology. Nursing Informatics strives to (1) enhance the productivity of nurses by utilizing information technology, (2) facilitate innovative solutions in healthcare, and (3) reduce costs through evidence-based decisions obtained from clinical data.

The Marshall University Nursing Informatics certificate is designed to enable nurses to evaluate and design new or modified information solutions, analyze data in order to improve nursing workflow and reduce errors, act as a liaison between nurses and technical engineers, develop strategies and policies involving information technology in nursing, and understand how information technology is used to ensure patient security and confidentiality.

Nursing informatics is for individuals that have passion for nursing and can see information technology as a tool to achieve improvement in the healthcare arena. The certificate is designed to complement existing nursing degrees and to suit the needs of students and professionals who want to specialize in the fast-expanding field of nursing information. Students who should apply for the certificate program would be individuals with a bachelor's in nursing.

In the HIMSS 2014 Nursing Informatics Workforce Survey, conducted by the Healthcare Information and Management Systems Society, the median salary reported for Nurse Informaticist was $93,000. The average salary reported was $100,717. Health informatics is a rapidly expanding career field. According to the American Medical Informatics Association (AMIA), around 70,000 specialists in this field will be needed within the next few years -including nursing Informaticist.

Admission Requirements

Applicants should follow the admissions process described in the Graduate Catalog, or at the Graduate Admissions website. (Submit all materials to the Graduate Admissions Office.) Students must meet the following admission requirements:
• Each student must hold a B.S.N. degree from a program accredited by ACEN, CCNE, or an equivalent accrediting body.
• Cumulative Grade Point Average of 3. 0 on a 4.0 scale for all undergraduate coursework.
• Undergraduate coursework must include 3 semester credit hours of basic statistics and 3 semester credit hours of basic research with a grade of C or better. If a student plans to sit for the ANCC-informatics nursing credentialing, they must also:
• Hold a current, active RN license in a state or territory of the United States or hold the professional, legally recognized equivalent in another country.
• Have practiced the equivalent of 2 years full time as a registered nurse immediately prior to application.

Course Requirements: Graduate Certificate in Nursing Informatics
HP 605 Role of EHR & PHR (3 Credit Hours)
HP 615 Health Quality & Safety (3 Credit Hours)
HP 620 Legal Ethics for Health Care (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
HP 650 Practicum 200 hours Nursing Informatics (3 Credit Hours)

TOTAL CREDITS 18

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