**Curriculum Requests**

**COB**

**Course Additions (1)**

Department: Management

# / Title: MGMT 578/Import Export Management

Description: Students will learn the general and specific information relevant to conducting import/export business to/from the United States to different parts of the world.

Prerequisites: None

First Offered: Spring 2021

Credit Hours: 3

**Course Changes (6)**

1. Change: Change of alpha-designator

Department: MMIS

# / Title (old): IS 600 – Management Information Systems

# / Title (new): MIS 600 – Management Information Systems

Rationale: Change in College from College of Engineering and Computer Services to Lewis College of Business (LCOB)

Catalog Desc: This course examines personal, work group, and enterprise information systems with respect to their value, their components and the processes of developing them.

Credit Hours: 3

1. Change: Change of alpha-designator

Department: MMIS

# / Title (old): IS 605 – Systems Analysis and Design

# / Title (new): MIS 605 – Systems Analysis and Design

Rationale: Change in College from College of Engineering and Computer Services to Lewis College of Business (LCOB)

Catalog Desc: This course focuses on analysis and design of information systems. Topics include system development approaches, UML design, system integration, service-oriented architecture information foundation. (PR: Admission to program)

Credit Hours: 3

1. Change: Change of alpha-designator

Department: MMIS

# / Title (old): IS 621 – Information Structures I

# / Title (new): MIS 621 – Information Structures I

Rationale: Change in College from College of Engineering and Computer Services to Lewis College of Business (LCOB)

Catalog Desc: Representation and manipulation of numeric and non-numeric information, linear lists, strings, multilinked structures; sorting and searching; storage management; data structures in programming languages. Relevant aspects of discrete mathematics.

Credit Hours: 3

1. Change: Change of alpha-designator

Department: MMIS

# / Title (old): IS 623 – Database Management

# / Title (new): MIS 623 – Database Management

Rationale: Change in College from College of Engineering and Computer Services to Lewis College of Business (LCOB)

Catalog Desc: Review of information structures and of relationships among data elements and objects. Relational database theory; design and organization of databases, retrieval structures, and query mechanics.

Credit Hours: 3

1. Change: Change of alpha-designator

Department: MMIS

# / Title (old): IS 647 – IT Disaster Recovery and Planning

# / Title (new): MIS 647 – IT Disaster Recovery and Planning

Rationale: Change in College from College of Engineering and Computer Services to Lewis College of Business (LCOB)

Catalog Desc: This course provides the skills necessary to manage IT disaster recovery planning. The course focuses on the protection of information. Students will analyze risk, design a plan and explore available technologies. (PR: Instructor permission)

Credit Hours: 3

1. Change: Change of alpha-designator

Department: MMIS

# / Title (old): IS 665 – Health Care Enterprise Information Systems

# / Title (new): HIN 665 – Health Care Enterprise Information Systems

Rationale: Change in College from College of Engineering and Computer Services to Lewis College of Business (LCOB)

Catalog Desc: A hands-on introduction to using a health care enterprise information system providing students opportunity to work with elements of an EIS.

Credit Hours: 3

**COS**

**Course Additions (12)**

Department: Forensic Science

1. # / Title:    CFS 500 – Intro to Digital Forensics

Description: Introduces students to core digital forensic concepts, including data storage, imaging, the digital forensics process, common Windows artifacts, and the fundamentals of the forensic examination of digital media using Access Data.

Prerequisites:  N/A

First Offered:   Spring 2021

Credit Hours:   3

1. # / Title:    CFS 545 – Mobile & Web Pen Testing

Description: Students will learn the advanced skills and techniques required to test mobile and web applications. This advanced pen-testing course uses a combination of lecture, real-world experiences, and hands-on exercises.

Prerequisites:  N/A

First Offered:   Spring 2021

Credit Hours:   3

1. # / Title:    CFS 548 – Multimedia Forensics

Description: Course will introduce principles of multimedia forensics (images, audio & video) and their application to cyber forensics.  Practical forensics enhancement, analysis, and reporting tools and techniques are covered.

Prerequisites:  N/A

First Offered:   Spring 2021

Credit Hours:   3

1. # / Title:    CFS 561 – Applied Cyber Warfare

Description: Latest developments and advancements in cyber warfare facing nation-state and non-nation-state actors.

Prerequisites:  N/A

First Offered:   Spring 2021

Credit Hours:   3

1. # / Title:    CFS 562 – Network Forensics

Description: Examination of techniques and tools used to investigate, search, collect, analyze, and report on network based breaches and events.

Prerequisites:  N/A

First Offered:   Spring 2021

Credit Hours:   3

1. # / Title:    CFS 564 – Network Security & Cyber Crime

Description: Examines fundamental security concepts, protocols, and procedures commonly in use today.  Topics include governance, access control, cryptography, physical security, security architecture, and application development security.

Prerequisites:  N/A

First Offered:   Spring 2021

Credit Hours:   3

1. # / Title: CFS 567 – Mobile Device Forensics

Description: Identification, preservation, collection, analysis, and reporting techniques and tools used in the forensic examination of mobile devices such as mobile phones, tablets, and GPS units.

Prerequisites: N/A

First Offered: Spring 2021

Credit Hours: 3

Department: Forensic Sciences

1. # / Title: CFS 562 – Network Forensics

Description: Examination of techniques and tools used to investigate, search, collect, analyze, and report on network based breaches and events.

Prerequisites: N/A

First Offered: Spring 2021

Credit Hours: 3

1. # / Title: CFS 564 – Network Security & Cyber Crime

Description: Examines fundamental security concepts, protocols, and procedures commonly in use today. Topics include governance, access control, cryptography, physical security, security architecture, and application development security.

Prerequisites: N/A

First Offered: Spring 2021

Credit Hours: 3

1. # / Title: CFS 665 – Cyber Sec IoT & ICS

Description: Students will learn the tools and techniques to defend IoT and ICS systems that run the Power Grid and other critical systems.

Prerequisites: N/A

First Offered: Spring 2021

Credit Hours: 3

Department: Forensic Sciences

1. # / Title: CFS 690 – Capstone

Description: Students will learn the tools and techniques to defend IoT and ICS systems that run the Power Grid and other critical systems.

Prerequisites: N/A

First Offered: Spring 2021

Credit Hours: 3

Department: Forensic Sciences

1. # / Title: CFS 670 – Practicum

Description: This capstone course is the culminating experience for the Master’s Degree in Cyber Forensics and Security. This course builds on the concepts covered within the program of study.

Prerequisites: N/A

First Offered: Spring 2021

Credit Hours: 3 – 6

**COLA**

**Course Additions (1)**

Department: Geography

# / Title: GEO 527/Principles of GIS 2

Description: Students apply GIS principles and techniques to geoprocess and manipulate geographic data, including topics such as geodatabase management, python scripting, model building, web mapping and data services, and spatial analysis

Prerequisites: GEO523 or GEO526 or GEO529 or GEO 530 or NRRM533 or NRE523 or permission

First Offered: Summer 2021

Credit Hours: 4

**Course Change (2)**

1. Change: Course Title Change and Course Description Change

Department: Geography

# / Title (old): GEO 529/Principles of GIS 2 – Vector Analysis

# / Title (new): GEO 529 Location Analysis and GIS

Rationale: We are splitting the material from the old GEO 529 into two courses. The title better describes the change in course emphasis.

Course Description (old) The old course was a continuation of material from GEO526 Principles of GIS and covered additional principles that are broadly applicable across disciplines with a few exercises in vector analysis.

Course Description: (new) The new GEO529 course will focus on one type of vector analysis using GIS, specifically location intelligence, which is a new, hot field in the discipline. The new GEO529 will also cover location theory, a necessary building block before using GIS as a tool to perform the location analyses.

Catalog Desc: Concepts, models, and methods of geographic location analysis of natural resources extraction, manufacturing, services, retail and market area analytics, and logistics using GIS. (PR: one of GEO523, GEO 526, GEO527, GEO530, NRRM533, NRE523 or permission)

1. Change: Course Title Change, Course Description Change, Course Credit Hour Change

Department: Geography

# / Title (old): GEO 679/Applied Project

# / Title (new): GEO 679 Portfolio and Career Profile

Rationale: Better reflects change in course emphasis

Catalog Desc: Students compile a Portfolio of work completed during the degree program, complete a written Exam project, and create/enhance their Career Profile.

Credit Hours (old) 1-3

Credit Hours (new) 1-4

**HP**

**Course Change (1)**

Change: Course Title Change and Course Description Change

Department: Physical Therapy

# / Title (old): PT 710/Introduction to Human Movement

# / Title (new): PT 710/Clinical Skills I

Rationale: The change in the course title will better reflect course content and the intent of the course, and improve the curricular alignment with other clinical skill courses.

Catalog Desc: Lecture and laboratory introducing students to basic histology of connective, nervous, epithelial and muscle tissue utilized in human movement, palpation, goniometry, and manual muscle testing.