



## MEMORANDUM

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To: Lee Patterson, Chair, CGS  
Date: September 10, 2020  
RE: Executive Action Taken at the CLAS Curriculum Committee Meeting on Sep 9, 2020

The following request was approved by executive action at the CLAS Curriculum Committee meeting on Sep 9, 2020. The request would be effective Fall 2020. I ask that similar action be taken at the Council on Graduate Studies.

**Requested Change:**

Change the semester of class offering for the following CSM courses.

**Rationale for change:**

The changes more accurately reflect current course rotations.

**Effective Date:** Fall 2020

**CSM 3570 should list "F" instead of "S"**

CSM 3570 - Numerical Analysis. (3-0-3) **S F**. Construction of algorithms for interpolation, quadrature, solution of equations and systems, solutions of ordinary differential equations. Prerequisites & Notes: CSM 2170 and MAT 2442 and MAT 2550. Credits: 3

**CSM 3950 should list "on demand" instead of "S"**

CSM 3950 - Introduction to Database Concepts. (3-0-3) **S On Demand**. This course emphasizes the concepts and structures necessary for the design and implementation of database management systems. Topics include data models, data normalization, data description languages, query facilities, file organization, index organization, file security, data integrity, and reliability. Prerequisites & Notes: A grade of "C" or better in CSM 3870 and MAT 2345. Credits: 3

### **CSM 3980 should list "S" instead of "F"**

CSM 3980 - Parallel Programming. (3-0-3) ~~F~~ S. An introduction to massively parallel machine architectures, parallel algorithms, languages for parallel programming, synchronization, and parallel performance analysis. Prerequisites & Notes: A grade of "C" or better in CSM 3870 and CSM 3570. Credits: 3

### **CSM 4170 should list "on demand" instead of "F"**

CSM 4170 - Programming for Mobile Devices. (3-0-3) ~~F~~ On Demand. Mobile devices have interesting hardware (such as multi-touch screens, gyroscopes, and accelerometers), networking options (cellular, WiFi, and Bluetooth) and application programming interfaces. These elements combine to form a very exciting programming platform. Developing applications for mobile devices presents new challenges and capabilities. This class introduces some of the ways to overcome these difficulties and how to capitalize on the features of mobile devices. Prerequisites & Notes: C or better in CSM 3870. Credits: 3

### **CSM 4980 should list "on demand" instead of "S"**

CSM 4980 - Networking and Distributed Computing. (3-0-3) ~~S~~ On Demand. An overview of the concepts and algorithms in networking and distributed computing. Topics include protocol stacks, link, network, transport, and application layers, network management, network architecture, network abstractions, distributed algorithms, distributed environments, the client-server model, the peer-to-peer model, and remote procedure calls. There will be case studies and analysis of existing systems. Prerequisites & Notes: A grade of "C" or better in CSM 3980. Credits: 3

### **CSM 4985 should list "S" instead of "F"**

CSM 4985 - Artificial Intelligence and Machine Learning. (3-0-3) ~~F~~ S. Survey of methods and applications of artificial intelligence (AI) and machine learning. Topics could include: knowledge representation, neural networks, genetic algorithms, unsupervised learning, and ethical issues related to the use of AI. Prerequisites & Notes: A grade of "C" or better in MAT 2345 or MAT 2800, and "C" or better in CSM 2670, and "C" or better in MAT 3701. Credits: 3