

# MANAGEMENT INFO. SYSTEMS (MIS)

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## **MIS 3020 Programming for Business Analytics 3 cr**

The course covers data extraction, transformation, cleaning, analysis, and visualization by using widely used techniques and programming languages in a business context. The course also provides surveys of application of machine learning in business and the potential ethical issues and bias.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: IDM 2020 (C+) or the former MIS 2000 (C+) or MIS 2001 (C+).

## **MIS 3500 Database Management Systems 3 cr**

Designing, developing and managing database systems, by using mainstream design methodologies and popular development tools.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: IDM 2020 (C+) or [MIS 3510 (D) and COMP 1010 (C)] or the former MIS 2000 (C+) or MIS 2001 (C+).

## **MIS 3510 Systems Analysis and Design 3 cr**

Analyzing business tasks, processes, information and information technology, and designing information systems by employing methodologies, techniques and popular software used by information systems professionals.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: IDM 2020 (C+) or the former MIS 2000 (C+) or MIS 2001 (C+).

## **MIS 3520 Data Communications and Networking 3 cr**

A study of basic data communications topics, including communication media, protocols, network security, network topologies (local and wide area networks), Web development and network management issues.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: IDM 2020 (C+) or the former MIS 2000 (C+) or MIS 2001 (C+).

## **MIS 4250 Advanced Topics in Management Information Systems 3 cr**

A study of current issues in MIS. The topics for this course will vary over time, depending on student interests, faculty interests, and student demand. Not offered every year.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: consent of instructor.

**Mutually Exclusive:** MIS 3010

## **MIS 4500 Management Information Systems Strategy 3 cr**

A survey of the various issues associated with managing information as a resource. Explores MIS planning frameworks and tools, and the linkages between information systems, organizational structure and organizational strategy. A survey of the various issues associated with managing information as a resource. Explores MIS planning frameworks and tools, and the linkages between information systems, organizational structure and organizational strategy.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: at least two of the following: ACC 3530 (D), MIS 3500 (D), MIS 3510 (D), MIS 3520 (D), MIS 4250 (D).