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Course Overview

Course Title	Modeling and Simulation
Course and Section Number	ISM-445-1
Number of Credits	3 Semester Credits
Term	22/AUTM
Course/Section Dates	08/22/2022 – 10/15/2022
Meeting Time	Class meets on Tuesday's at 6:00PM CDT
Instructor	Steve Millet
Doane Email Address	steven.millet@doane.edu
Textbook Information: (e.g. title, edition, publisher, ISBN)	None Link to Doane Bookstore: https://www.bkstr.com/doaneuniversitystore/shop/textbooks-and-course-materials
Additional Course Materials	
Course Description	Students learn to use techniques of modeling to simulate business operations for problem solving, forecasting, and decision making. The focus of the course is the practical application of simulation modeling. Each student builds an operational model/simulation for a local organization.
Foundational Area of Knowledge	



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Course Learning Outcomes/Objectives

- Understand the use of Modeling and Simulation in Business (including IT) and other Industries.
- Understand how to organize a Project involving Modeling and Simulation features.
- Be familiar with the techniques available for developing business intelligent systems.
- Be familiar with commercial software packages that are capable of Modeling and Simulation
- Be familiar with scripting language techniques that can be applied to AI and decision making
- Be able to develop a business intelligent solution to assist in modeling and decision making.

Technology Requirements

For the successful use of Canvas please refer to Doane University's [minimum computer requirements](#). This may also include:

- Reliable computer and internet connection
- A web browser (Chrome or Mozilla Firefox)
- Adobe Acrobat Reader (free)
- Word processing software -Microsoft or Google Docs
- Webcam and mic

Syllabus Addendum

[Addendum](#) includes information regarding:

- Academic Support
- Military Friendliness & Services
- Study Time
- Credit Hour Definition
- Catalog and Policies

Technological Support

If you are in need of technical assistance, please contact the Service Center at 402-826-8411 or by email at help@doane.edu.

Learning Management System

Canvas: <https://doane.instructure.com>

Campus Network or Canvas Outage

When access to Canvas is not available for an extended period of time (greater than one entire evening - 6pm till 11pm) you can reasonably expect that the due date for assignments will be changed to the next day (assignment still due by midnight).