



SYLLABUS

Course Title	Network Technology
Course Number	ISM 358
Number of Credits	3
Course Dates	10/15/18 - 12/15/18
Instructor	Steven Millet
Email Address	steven.millet@doane.edu
Office Hours/Availability	Email response immediate 10 am - 12 am. M - F, Outside of these hours, and Weekends variable / Available For Office Hours Before and After Class.
Textbook Information: (e.g. title, edition, publisher, ISBN)	No Textbook Required. Handouts Supplied by the Instructor.
Additional Course Materials	Flash Drive recommended for backing up class material
Course Description	This course provides in-depth study of data communication and networking topology requirements. Students learn to set up, install, and configure networking hardware and software. Emphasis is on network troubleshooting and technical support as students explore network performance measurement issues.

Program Outcomes	<p>a. Develop analytical and critical thinking skills to gather and analyze information, to identify and solve problems, to determine potential outcome alternatives, and to make appropriate decisions</p> <p>b. Recognize ethical issues involved in information technology and its management</p> <p>c. Understand information science and technology concepts and processes, their relationships to each other, and their relationships to existing and emerging computing technologies</p> <p>d. Develop the confidence and the skill to learn independently and apply existing and emerging computing technologies and processes</p> <p>e. Develop the confidence and the skill to solve an unknown problem and to efficiently research, learn, and apply a previously unknown topic or skill to a novel problem- solving situation</p>
Course Learning Outcomes/Objectives	<ol style="list-style-type: none"> 1. Be familiar with the computer hardware needed to set up a computer network. 2. Have a basic understanding of the different kinds of network operating system software options available to Network Engineers (i.e. Windows, Novell, Unix). 3. Understand how to formulate an effective Network Systems Design Plan. 4. Understand the components that make-up microcomputer based networks. 5. Be able to recognize the important support and documentation needs of network components. 6. Have a detailed understanding of how a telecommunications network operates (i.e. topologies, network backbone components, protocols). 7. Be familiar with possible network troubleshooting approaches. 8. Understand how install and configure a network operating system (Microsoft). 9. Have a general understanding of what performance issues should be addressed to help manage a computer network. 10. Be able to outline the important technical support issues that should be addressed to assure the reliability of an installed network.
Technology Requirements	https://www.doane.edu/faq/minimum-computer-requirements

Course Schedule

Week or Module	Topic	Content	Assessments Matched to Learning Outcomes	Due Date & Time
1	What is a Computer Network?	TBA	Assignment #1 (LO1)	Week 2 by 6 p.m.
2	Network Server Hardware	TBA	Assignment #2 (LO1)	Week 3 by 6 p.m
3	Network Hardware and Design	TBA	Assignment #3 (LO4 and LO5))	Week 4 by 6 p.m
4	Review		Exam #1	
5	Operating Systems Software	TBA	Assignment #4 (LO2)	Week 6 by 6 p.m
6	Network Configuration	TBA	Assignment #5 (LO8)	Week 7 by 6 p.m
7	Network Support	TBA		
8	Review		Exam #2	

Grading Assessments

Type of Assessment	Assignments	Grade Percentage
Weekly homework assignments (Labs)	5	40%
Exams	2	50%

Participation	Weekly	10%
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Grade Scale

A+ = 97-100% A = 94-96% A- = 90-93% B+ = 87-89% B = 84-86% B- = 80-83%
 C+ = 77-79% C = 74-76% C- = 70-73% D+ = 67-69% D = 64-66% D- = 60-63%
 F= 59% or below

Participation Policy	A student is expected to be prompt and regularly attend on-ground classes in their entirety. Regular engagement is expected for on-line courses. Participation in class discussions is an integral part of your grade.
Study Time	Expectation of the amount of time the course requires students to spend preparing and completing assignments. Typically, students could expect to spend approximately 12 hours a week preparing for and actively participating in this 8-week 3 credit hour course. This actual time for study varies depending on students' backgrounds.
Late Work	Late work will be accepted, if for an excused reason with no reduction in grade)
Submitting Assignments	Assignments submitted during class time.
Communication Policy including Assignment Feedback	Emails will be responded to by the end of the day M - F. Assignments will be returned the week following their due date. Assignments will be returned one week after they are submitted for grading.
Academic Integrity Policy	New Academic Integrity Policy to be released AUTM 2018
Academic Support	Please contact academicsupport@doane.edu https://www.doane.edu/graduate-and-adult/academic-support

Disability Services	https://www.doane.edu/disability-services Doane University supports reasonable accommodations to allow participation by individuals with disabilities. Any request for accommodation must be initiated by the student as soon as possible. Each student receiving accommodations is responsible for his or her educational and personal needs while enrolled at Doane University. Please contact Chris Brady at chris.brady@doane.edu or 402-467-9031 for assistance.
Military Services	https://www.doane.edu/graduate-and-adult/military
Anti-Harassment Policy	http://catalog.doane.edu/content.php?catoid=5&navoid=452
Grade Appeal Process	http://catalog.doane.edu/content.php?catoid=5&navoid=238
Credit Hour Definition	Doane University follows the federal guideline defining a credit hour as one hour (50 minutes) of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks (one semester), or the equivalent amount of work over a different time period (e.g., an 8-week term). This definition applies to courses regardless of delivery format, and thus includes in-person, online, and hybrid courses (combination of in-person and online). It also applies to internship, laboratory, performance, practicum, research, student teaching, and studio courses, among other contexts.
Syllabus Changes	Circumstances may occur which require adjustments to the syllabus. Changes will be made public at the earliest possible time.