

## **Course Syllabus**

NOTE: This syllabus is subject to change during the semester. Please check this syllabus on a regular basis for any updates.

Department : Computer Science  
Course Title : Fundamentals of Networking Technologies  
Section Name : ITNW1325  
Modality : ONLINE

## **Instructor Information**

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Name : Melissa Elliott  
OC Email : Mellott@odessa.edu  
OC Phone # : (432) 335-6571

## **Course Description**

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Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software.

## **Prerequisites/Corequisites**

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Prerequisite: COSC 1405 or consent of instructor.

## **Scans**

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SCANS 1, 2, 3, 7, 8, 9, 10

## **Course Objectives**

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Knowing how to install, configure, and troubleshoot a computer network is a highly marketable and exciting skill. This course first introduces the fundamental building blocks that form a modern network, such as protocols, topologies, hardware, and network operating systems. It then provides in-depth coverage of the most important concepts in contemporary networking, such as TCP/IP, Ethernet, wireless transmission, and security. The course will prepare you to select the best network design, hardware, and software for your environment. You will also have the skills to build a network from scratch and maintain, upgrade, and troubleshoot an existing network.

### **Required Readings/Materials**

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#### **LabSim for Dean's Network+ Guide to Networks, 3rd Edition**

TestOut Corporation

ISBN-13: 9781423925798

#### **Network+ Guide to Networks, 5th Edition**

Tamara Dean

ISBN-13: 9781423902454

### **Course Requirements (Lectures, Assignments and Assessments)**

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Chapter Exams :	30%
Labs:	30%
Discussion Board:	20%
Final:	20%

### **Assignments and Scheduling**

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Assignments, labs, exams, and discussion board will be listed in Blackboard. Please see blackboard for due dates.

## **Grading Policy**

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I do not accept late work. Technological issues will not be considered as valid grounds for late assignment submission. In the event of a server outage, students should submit assignments to the instructor.

<b>Percentage %</b>	<b>Grade</b>
90-100%	A
80-89%	B
70-79%	C
60-69%	D
0-59%	F

## **Special Needs**

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Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

## **Learning Resource Center (Library)**

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The Library, known as the Learning Resources Center, provides research assistance via the LRC's catalog (print books, videos, e-books) and databases (journal and magazine articles). Research guides covering specific subject areas, tutorials, and the "Ask a Librarian" service provide additional help.

## **Student E-mail**

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Please access your Odessa College Student E-mail, by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. All correspondence will be submitted using your Odessa College email.

## **Student Portal**

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Please access your Odessa College Student E-mail, by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. All correspondence will be submitted using your Odessa College email.

## **Technical Support**

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For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at [https://www.odessa.edu/dept/ssc/helpdesk\\_form.htm](https://www.odessa.edu/dept/ssc/helpdesk_form.htm).

## **Important School Policies**

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For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or student's and instructors' right to academic freedom can be found in the Odessa College Student Handbook.