

# Enterprise Network

## ITNW-2350

Spring 2019 Section 310 CRN-22479 3 Credits 01/14/2019 to 05/09/2019 Modified 01/23/2019

### Meeting Times

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#### Discussion

Monday, Wednesday, 10:00 AM to 11:50 AM, Student Center F-241

### Contact Information

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#### Instructor: Ms. Kelli Adam, M.S.

Email: [kelli.adam@blinn.edu](mailto:kelli.adam@blinn.edu)

Office: Student Center F-241

Phone: 979-324-8985

#### Office Hours

Tuesday, Thursday, 12:00 PM to 12:30 PM, Student Center F-241

### Description

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A case study in Convergence Technologies requiring a network engineer to study a problem and design a network solution for an enterprise network.

### Core Curriculum Statement

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This course is not a core curriculum course.

### Outcomes

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1. Apply network concepts to an enterprise network.
2. Evaluate a network problem identified by a business.
3. Work as a member of a design team to study a network problem and design an efficient network that will increase productivity.
4. Document the process for the network design.

### Materials

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Posted online in eCampus

#### Flash Drive

USB Flash thumb drive.

## ☰ Course Requirements

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Students should maintain at least a 70% average on all course work.

## ✓ Evaluation

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### Criteria

Exams	20%	Two major exams
Final Exam	10%	A comprehensive final exam
Project	30%	Class teams design a sub-netted local area network
Assignments	30%	Labs and other work products
Class Participation	10%	Daily contributions to discussion and labs

### Breakdown

- A [90, 100] Exceptional knowledge of the material covered
- B [80,90] Above average knowledge of the material covered
- C [70,80] Average knowledge of the material covered
- D [60,70] Less than average knowledge of the material covered
- F [0,60] Very little knowledge of the material covered

## 🏛️ Blinn College Policies

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All policies, guidelines, and procedures in the [Blinn College Catalog \(http://catalog.blinn.edu/\)](http://catalog.blinn.edu/), [Blinn College Board Policies \(http://pol.tasb.org/Home/Index/1204\)](http://pol.tasb.org/Home/Index/1204), and the [Blinn College Administrative Regulations \(https://www.blinn.edu/administrative-regulations/\)](https://www.blinn.edu/administrative-regulations/) are applicable to this course.

[Specific information on civility, attendance, add/drop, scholastic integrity, students with disabilities, final grade appeal, alternative retailers, campus carry and proctoring arrangements and cost. \(http://www.blinn.edu/syllabus-policies/\)](http://www.blinn.edu/syllabus-policies/)

Notice of any action taken under these protocol and procedures, by Blinn College or its employees, may be delivered by hand, through the U.S. Postal Service, or electronically to the student's Blinn Buc e-mail account. Notice shall be deemed received upon actual receipt, on deposit in the U.S. Mail, or upon entering the information processing system used by Blinn College for Blinn Buc e-mail accounts, whichever first occurs.

## \* Course Policies

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[Student Email, Exam Review Procedures, Deadlines for Assignments and Labs, Reading and Research, Lab Hours and Decorum, Removable Hard Drives, Professional Disclaimer, and Learning Activities are found here.](#)

# Make-up Policy

The instructor has the option, but not the requirement, to reschedule a missed exam or quiz. Also the instructor for good reason, can allow late submission of assignments and labs. Students must explain the circumstances and reasons for any make-up.

## Schedule

Week	Date	Class Details	Contact Hours
1	Mon Jan 14	Course Syllabus, Assignment 0	4
	Wed Jan 16	Lesson 0: Hardware Setup	
2	Mon Jan 21	<i>Holiday – No School</i>	4
	Wed Jan 23	Lesson 0 cont.	
3	Mon Jan 28	Lesson 0 cont.	4
	Wed Jan 30	Lesson 1: Install Windows Servers	
4	Mon Feb 04	Lesson 1 cont.	4
	Wed Feb 06	Lesson 2: Implement Storage Solutions	
5	Mon Feb 11	Lesson 2 cont.	4
	Wed Feb 13	Lesson 3: Implement Hyper-V	
6	Mon Feb 18	Lesson 3 cont.	4
	Wed Feb 20	Lesson 4: Implement Windows Containers	
7	Mon Feb 25	Lesson 4 cont.	4
	Wed Feb 27	Lesson 5: Implement High Availability	
8	Mon Mar 04	Lesson 5 cont.	4
	Wed Mar 06	PowerShell cont.; EXAM 1	
x	Mon Mar 11	<i>Spring Break – No School</i>	0
	Wed Mar 13	<i>Spring Break – No School</i>	
9	Mon Mar 18	Lesson 9: Install and Configure AD DS	4

	Wed Mar 20	Lesson 9 cont.	
10	Mon Mar 25	Lesson 6: Implement DNS	4
	Wed Mar 27	Lesson 6 cont.	
11	Mon Apr 01	Lesson 7: Implement Network Connectivity	4
	Wed Apr 03	Lesson 7 cont.	
12	Mon Apr 08	Lesson 8: Implement Advanced Networking	4
	Wed Apr 10	Lesson 8 cont.; EXAM 2	
13	Mon Apr 15	Lesson 10: Implement AD FS	4
	Wed Apr 17	Lesson 10 cont.	
14	Mon Apr 22	Lesson 11: Windows Azure and IIS	4
	Wed Apr 24	Lesson 11 cont.	
15	Mon Apr 29	Course Project Presentations	4
	Wed May 01	Course Project Presentations	
16	Mon May 6	FINAL EXAM 10:15 am -12:30 noon	4