Spring 2023

Instructor: Tushar Patel

E-mail: tpatel@njit.edu
Class Hour: Mondays' 6:00PM – 10:00PM – In Person
Office Hours: Mondays' 5:00PM -5:45PM by appointment only

Text Book: **(Optional**) CCNA Routing & Switching 200-125 Official Cert Guide Library – Wendell Odom
                  Published Jul 26, 2016 by Cisco Press. ISBN-13: 978-1587205811, ISBN-10: 1587205815

Attendance: Required for Passing Grade

Grading: **Assessment 1 (Theory and Technical)** 25%, **Assessment 2** 25% **(Theory and Technical)** ,
                  Final Technical Assessment 3 (Technical Only) - 30%, **Research Paper** 10%,
                  Attendance/Verbal In Class Participation 10%

Grades	Significance	Approx. points
A	Superior	94-100
B+	Excellent	87-93
B	Very Good	80-86
C+	Good	74-79
C	Acceptable	66-73
D	Minimum	60-65
F	Inadequate	<60

Assignments: The due date for the assignments is one week after it is assigned. Grades will be deducted for any
                  delay.

Course Objectives:

Students will learn about Computer Network Advanced Fundamentals including LAN Switching, Routing, WAN
Technologies. In Addition, they will be exposed to Infrastructure Services, Security and Management use cases.

Important Dates Spring 2023:

January	16	Monday	Martin Luther King, Jr Day
January	17	Tuesday	First Day of Class – NJIT Classes Begin
January	23	Monday	CPT 435 Class begins
January	23	Monday	Last Day to Add/Drop a Class
January	23	Monday	Last Day for 100% Refund, Full or Partial Withdrawal
January	24	Tuesday	W Grades Posted for Course Withdrawal
January	30	Monday	Last Day for 90% Refund, Full or Partial Withdrawal

February	13	Monday	Last Day for 50% Refund, Full Withdrawal
March	6	Monday	Last Day for 25% Refund, Full Withdrawal
March	13	Monday	Spring Recess Begins - No Classes Scheduled - University Open
March	18	Saturday	Spring Recess Ends
April	3	Monday	Last Day to Withdraw
May	2	Tuesday	Last Day of Classes
May	3	Wednesday	Reading Day 1
May	4	Thursday	Reading Day 2
May	5	Friday	Final Exams Begin
May	**8**	**Monday**	**Final Assessment 3 CPT 335**
May	11	Thursday	Final Exams End
May	13	Saturday	Final Grades Due

Statement on academic integrity:

"Academic Integrity is the cornerstone of higher education and is central to the ideals of this course and the university. Cheating is strictly prohibited and devalues the degree that you are working on. As a member of the NJIT community, it is your responsibility to protect your educational investment by knowing and following the academic code of integrity policy that is found at:

[*http://www5.njit.edu/policies/sites/policies/files/academic-integrity-code.pdf*](http://www5.njit.edu/policies/sites/policies/files/academic-integrity-code.pdf)*.*

*Please note that it is my professional obligation and responsibility to report any academic misconduct to the Dean of Students Office. **Any student found in violation of the code by cheating, plagiarizing or using any online software inappropriately will result in disciplinary action. This may include a failing grade of F, and/or suspension or dismissal from the university.** If you have any questions about the code of Academic Integrity, please contact the Dean of Students Office at* [*dos@njit.edu*](mailto:dos@njit.edu)*"*

<u>**Lectures and Labs:**</u> Order of topics subject to change depending on class requirements

Week 1 January 23 (Monday)	Review of CPT 335 Concepts - Static Routing, VLANs
Week 2 January 3	Software Update, Cisco Discovery Protocol, and Remote Access, WAN interfaces
Week 3 February 6	Lab Review time and Research Paper Intro – No Lecture this day
Week 3 February 13	Hardening Cisco Devices - **Research Paper Due** prior to class
Week 3 February 20	VTP, VLANS and Trunking
Week 6 February 27	Spanning Tree Protocol
Week 7 March 6	**Assessment 1**
Week 8 March 13	**SPRING BREAK – NO CLASS**
Week 9 March 20	HSRP
Week 10 March 27	Configure ACLs

Week 11 November 15	review
Week 12 November 22	RIP v2, EIGRP
Week 13 November 29	**Assessment 2 (Depending on flow of class or the following week)**
Week 14 December 6	**Assessment 2**
Week 15 December 13	Work on Final
Week 16 December 20	**Final Assessment 3**