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Fall 2019

# CPT 335-101: Network Applications for Computer Technology I

Narendra Patel

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CPT 335: Networks Applications for Computer Technology I  
Fall 2019

Instructor: Naren Patel

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Class Hour: Monday 5:45PM – 7:45PM GITC 2315C  
Monday 7:50PM – 9:50PM GITC 2315C

Text Book: **CCNA Routing & Switching 200-125 Official Cert Guide Library**

Grading: Midterm 30%, Final 30%, Project 30%, Assignments 10%,

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

Course Contents:

Important Dates Fall 2019:

September	2	Monday	Labor Day
September	3	Tuesday	First Day of Classes
September	7	Saturday	Saturday Classes Begin
September	9	Monday	Monday Classes Meet
September	13	Friday	Last Day to Add/Drop a Class
September	13	Friday	Last Day for 100% Refund, Full or Partial Withdrawal
September	14	Saturday	W Grades Posted for Course Withdrawals
September	16	Monday	Last Day for 90% Refund, Full or Partial Withdrawal - No Refund for Partial Withdrawal
September	30	Monday	Last Day for 50% Refund, Full Withdrawal
October	21	Monday	Last Day for 25% Refund, Full Withdrawal
November	11	Monday	Last Day to Withdraw
November	26	Tuesday	Thursday Classes Meet
November	27	Wednesday	Friday Classes Meet

November	28	Thursday	Thanksgiving Recess Begins
December	1	Sunday	Thanksgiving Recess Ends
December	12	Thursday	Last Day of Classes. Saturday Classes Meet
December	13	Friday	Reading Day
December	14	Saturday	Final Exams Begin
December	20	Friday	Final Exams End
December	22	Sunday	Final Grades Due

Lectures:

Week 1 September 9 <sup>th</sup>	Networking Basics, ISO Ref. Model, IP subnetting
Week 2 September 16 <sup>th</sup>	Long Distance Communication, Modulation, and Modems
Week 3 September 23 <sup>rd</sup>	Packets, Frames, and Error Detection
Week 4 September 30 <sup>th</sup>	LAN Technologies and Network Topology
Week 5 October 7 <sup>th</sup>	Hardware Addressing and Frame Type Identification
<b>Week 6 October 14<sup>th</sup></b>	<b>Midterm Review</b>
<b>Week 7 October 21<sup>s</sup></b>	<b>Midterm Exam</b>
Week 8 October 28 <sup>th</sup>	LAN Wiring, Physical Topology, and Interface Hardware
Week 9 November 4 <sup>th</sup>	Extending LANs
Week 10 November 11 <sup>th</sup>	Long-Distance and Local Loop Digital Tech
Week 11 November 18 <sup>th</sup>	WAN Technologies and Routing
Week 12 November 25 <sup>th</sup>	Understanding basic routing and troubleshooting
Week 13 December 3 <sup>nd</sup>	Accumulative Lab
<b>Week 14 December 9<sup>th</sup></b>	<b>Final Project and Presentation Due From All Teams Final Review</b>
<b>Week 15 December 16<sup>th</sup></b>	<b>Final Exam</b>

Labs:

Week 1 September 9 <sup>th</sup>	Cisco Router Overview
Week 2 September 16 <sup>th</sup>	IOS Navigation and User Modes
Week 3 September 23 <sup>rd</sup>	Setting Passwords
Week 4 September 30 <sup>th</sup>	Configuring Interfaces For Communication Part 1
Week 5 October 7 <sup>th</sup>	Configuring Interfaces For Communication Part 2
<b>Week 6 October 14<sup>th</sup></b>	<b>Midterm Review</b>
<b>Week 7 October 21<sup>s</sup></b>	<b>Midterm Exam</b>
Week 8 October 28 <sup>th</sup>	Static Routes
Week 9 November 4 <sup>th</sup>	Ping
Week 10 November 11 <sup>th</sup>	Traceroute
Week 11 November 18 <sup>th</sup>	Understanding Packet Flow
Week 12 November 25 <sup>th</sup>	Understanding basic routing and troubleshooting
Week 13 December 3 <sup>nd</sup>	Accumulative Lab
<b>Week 14 December 9<sup>th</sup></b>	<b>Final Project and Presentation Due From All Teams Final Review</b>
<b>Week 15 December 16<sup>th</sup></b>	<b>Final Exam</b>