NET 498 Networking IV – Fall 2017 (2nd 8 weeks)

Instructor:	Sam Samara, CCNA, CCAI
	Kahl Educational Center
	326 W 3rd St
	Davenport IA 52801
Class:	Course # 185368 Room KAHL 624
Day of Class:	Monday and Wednesday 5:00 p.m. to 9:15 p.m. 10/16/2017 – 12/13/2017
Phone:	441-4200 Ext. 2553
E-mail:	<u>ciscoteach@mchsi.com</u> , <u>ciscoteach@gmail.com</u> , or <u>ssamara@live.eicc.edu</u>
Office Hours:	Arranged with students individually as needed
Important Dates:	Last date to drop as a withdraw – Dec. 8 th
	Mid-term / End of 8 weeks – Dec. 15 th

Course Description:

This is the last of four courses offered in cooperation with Cisco Systems and Cisco Networking Academies. The four courses are designed to prepare the student for the CCNA exam(s). The CCNA exam(s) is(are) Cisco's first level certification. Topics covered in this course include:

- Hierarchical Network Design, Configuration of Network Addresses Translation on IP v4 Networks, Securing Site-to-Site Connectivity, Network Monitoring, and Network Troubleshooting
- Wide Area Network Connectivity, Point-to-Point Connectivity, Frame Relay Connectivity, and Broadband Connectivity

Troubleshooting skills are practiced and emphasized. All course materials will be accessed on-line, except for the a few hands-on lab exercises and the final evaluations.

Attendance

Attendance will be taken at the beginning of each class session. Good attendance is encouraged throughout the semester. Good attendance is important for success in the class. Class notes are extremely important as information may be presented in class that does not appear in the text. If you are absent, it is your responsibility to obtain class notes from another classmate. Since this is primarily a hands-on experience, it is imperative that you observe good attendance policies. You will only be permitted to take final exams in class during normal scheduled class sessions. The on-site Cisco lab equipment is only available in Room 624 during the time your class meets, so you must also be present in order to use the lab equipment for your lab assignments.

Required Materials

CCNA Connecting Networks Lab Manual by: Cisco Press Available at SCC bookstore: ISBN 978-1-58713-331-2

Personal Headphones: For use with audio portion of curriculum

A bound notebook for class notes (Logbook)

Optional Materials

CCNA Connecting Networks Companion Guide by: Cisco Press Available at SCC bookstore

ISBN 978-1-58713-332-9

CCNA Connecting Networks Essentials Course Booklet by: Cisco Press Available outside of SCC

ISBN 978-1-58713-330-5

CCNA Route and Switch Study Guide, (100-105, 200-105,200-125) by Todd Lammle Available outside of SCC

ISBN 978-1-11928-828-2

Chapter Exams

There are 8 chapter exams in the Cisco curriculum that you will be required to take on-line at the Cisco Academy Testing Facility. Printed materials, typed, or hand written notes may be used during these chapter exams, and retests are allowed.

Each Exam is worth

17 points

Labs Exercises

There will be 12 graded lab exercises from the lab manual, covering the areas of hierarchical Network Design, WAN connectivity, P2P connections, frame relay, NAT, broadband, security, monitoring, and troubleshooting. These exercises will be discussed in class in further detail. Many of these labs are hands-on lab exercises

Each Lab is worth

12 points

Extra Credit Lab Exercises (Optional)

There will be 3 extra credit lab opportunities, from the workbook, covering the areas of research in WAN Technologies, Broadband Internet Access Technologies, and Network Monitoring Software. Printed proof of lab completion is required for credit. These labs will be counted as extra credit and will be combined with your final point score.

Each Exercise is worth

5 points (Extra Credit)

Class Activity Labs

The Class Activity Labs, from the lab manual, will be viewed as optional course work. These labs will be covered in class and credit will be based on attendance. The Class Activity Labs will count as Extra Credit at the end of the eight-week session.

Each Class Activity Labs is worth

1 point (Extra Credit)

Logbook

You are required to keep a logbook of notes from the lessons and the lab exercises. You will be required to submit the logbook for evaluation at the end of the eight-week session.

Log Book is worth

19 points

Final Computer Exam

There will be a comprehensive final exam, administered on-line by the CISCO Academy. You must receive a 60% on the exam in order to enroll in Cisco Networking V. No notes or aids of any kind are allowed during this exam!

Final Computer Exam is worth

50 points

Final Skills Evaluation

You will be required to take a skill evaluation at the end of the term, demonstrating your skills learned during this 8-week term.

Final Skills Evaluation is worth

50 points

<u>Grading</u> <u>Evaluation</u>

The grading scale will be as follows:	All Chapter Exams total		
A = 90% and above	All Lab Activities total	144	
B = 80 - 89%	Logbook	19	
C = 70 - 79%	Final Computer Exam	50	
D = 60 - 69%	Final Skills Exam	50	
F = 0 - 59%	Total	400	

Student Objectives:

Attend all classes in the training

Read and review all chapters of the Semester 4 Cisco Curriculum

Complete all online chapter exams (on the Cisco assessment server)

Participate in the group labs and complete the lab materials then submit for evaluation

Keep a logbook of notes from the chapters and labs and submit for evaluation

Complete the online Cisco final exam (on the Cisco assessment server)

Complete the Cisco skills final exam

Course Schedule

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Oct. 16	Introduction	Oct. 18	Pretest, Chapter 1
	Course objectives		Discussion, Labs
Oct. 23	Exam 1, Chapter 2	Oct. 25	Exam 2, Chapter 3
	Discussion, Labs		Discussion, Labs
Oct. 30	Exam 3, Chapter 4	Nov. 1	Exam 4
	Discussion, Labs		Discussion, Labs
Nov. 6	Chapter 5	Nov. 8	Exam 5
	Discussion, Labs		Discussion, Labs
Nov. 13	Chapter 6	Nov. 15	Exam 6
	Discussion, Labs		Discussion, Labs
Nov. 20	Chapter 7	Nov. 22	College Closed
	Discussion, Labs		Happy Thanksgiving
Nov. 27	Exam 7, Chapter 8	Nov. 29	Exam 8
	Discussion, Labs		Discussion, Labs
Dec. 4	Final Exam Prep	Dec. 6	Final Exam Prep
	Discussion		Discussion, Hand-in Material Due
Dec. 11	Final Exams	Dec. 13	Final Exams
	Discussion		Final Grades Due

Required Lab Exercises

	3.3.2.8	4.3.1.6	5.3.1.5	8.1.2.6
	3.4.1.5	5.2.2.6	6.3.2.3	8.2.2.4
	4.2.2.7	5.2.3.7	7.2.2.5	8.3.3.3

Extra Credit Lab Exercises

Any labs not listed in the Required Lab Exercises area above

Computer Lab Login Information

Login: student
Password: student
Domain: EICCD

Address:

Cisco Content Server Login Information

Login: Password:	assigned login from class assigned password from class
Academy ID:	
User ID:	
Password:	

http://cisco.netacad.net

Expectation of Behavior

Code of Conduct and Plagiarism / Dishonesty Policy: To access the Student Code of Conduct go to: www.eicc.edu chose EICC connect and log in, Student Resources, Student Handbook, Rights and Responsibilities, Code of Conduct

General College Information

Academic Calendar: Dates pertaining to the class schedule

https://eicconnect.eicc.edu/academicinformation/acadcalendars/Pages/default.aspx

Safety: It may be wise to add information about safety/security that is applicable to your classroom, e.g. Services at the Kahl Educational Building, such as walking a student to their car at night, what to do in the case of an armed intruder (door to be locked from inside), use of class phone by students if necessary, etc.

E-Bridge access: Check Grades, Class Schedule, Financial Aid, and Register for Classes:

Go to www.eicc.edu Chose EICC connect and log in. Then chose eBridge, Students, Academic Profile

FERPA Information: Scott Community College, in full compliance with the Family Educational Rights and Privacy Act of 1974, shall make educational records available to students upon request. Likewise, in accordance with the law, individually identifiable educational records will not be released to other than authorized individuals without written consent of the student. Students have the right to file complaints with the Family Educational Rights and Privacy Act (FERPA) Office concerning alleged failures by the institution to comply with the act. For more information go to http://www.eicc.edu choose EICC Connect, sign in, choose Student Services, Student Resources, Student Files, then FERPA

Academic Information Anyone who feels he or she may need an academic accommodation based on the impact of a documented disability should contact the learning specialist, Jan Weis at 564-441-4027, to arrange an appointment as soon as possible. At the appointment, course format, individual needs, and potential accommodations will be discussed. This service is FREE and confidential.

Military Information: Eastern Iowa Community Colleges seeks to provide a learning environment that is welcoming to all students. Any active or reserve military who would like to discuss transitioning from the military into the academic environment, please contact Rebecca Geiken. She is available to assist all veterans and their families in accessing programs and services within the college and community to enhance the educational experience. We have a Student Veteran's Organization and a Veteran Center in room 1019 on the Belmont campus. Rebecca Geiken, Military and Veteran Student Affairs Facilitator, rgeiken@eicc.edu or by phone at 563-441-4060.

This workforce solution is funded by the IHUM Consortium which is 100% financed through a \$15,000,000 grant from the U.S. Department of Labor's Employment & Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This work is licensed under the Creative Commons Attribution 4.0 International License. To view a copy of this license, visit http://creativecommons.org/licenses/by/4.0/.

