

Course Syllabus

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NET 4760/4790 TELECOMMUNICATIONS INTERNSHIP AND SENIOR PROJECT

Instructor: Dr. Kyle D. Feuz, EH 372, Phone: 801-626-7864, E-mail: kylefeuz@weber.edu (<mailto:kylefeuz@weber.edu>). Office Hours by appointment (online or in person.)

COURSE DESCRIPTIONS

NET 4760 must be completed during the junior or senior year in a network/telecommunications environment with company placement and learning outcomes approved by the department. Simultaneous enrollment in NET 4790 is required.

Prerequisites: NET 4700. NET 4790 is a capstone project applying the principles of network/telecommunications to the development of a network/telecommunications system within a company. Simultaneous enrollment in NET 4760 is required. Prerequisites: NET 4700.

NET 4760/4790 LEARNING OUTCOMES: Learning outcomes are determined by the student, student's supervisor, and department faculty advisor to meet the specific needs of the student and the company in an internship setting. At the completion of this course, the student will be able to do the following:

1. Prepare a resume.
2. Meet with company supervisor and faculty advisor to discuss and plan five (5) work-related learning outcomes and complete an Internship Approval Form.
3. Develop a senior project plan for fulfilling a company need.
4. Meet with company supervisor and faculty advisor to discuss and plan four (4) work-related learning outcomes and complete a Senior Project Approval Form.
5. Send in biweekly progress reports during the semester.
6. Plan, organize, prepare, and write a formal report.
7. Lead on-site visit with faculty advisor and company supervisor.
8. Have a job supervisor complete an Employee Evaluation at the end of the network management technology work experience.
9. Complete a Student Evaluation Form at the end of the network management technology work experience.
10. Meet with the faculty advisor throughout the semester to discuss progress of the work learning outcomes.
11. Meet with faculty advisor for a final evaluation to determine whether or not the student has successfully completed work learning outcomes.
12. Keep a calendar of hours worked each day on each learning outcome.

GRADING

The final grade for this course is based on the following scale:

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95% - 100 % = A	87% - 89% = B+	77% - 79% = C+	67% - 69% = D+
90% - 94 % = A-	83% - 86% = B	73% - 76% = C	63% - 66% = D
	80% - 82% = B-	70% - 72% = C-	60% - 62% = D
Assignments 1 Forms, Etc.		15%	
Assignments 2 Progress Reports		25%	
Assignments 3 Final Written Report		20%	
Completed On-the-job Learning Outcomes		40%	
Total		100%	

GUIDELINES

For completion of the NET 4760 Internship and Senior Project, credit is given for working in the area of network management technology. The total minimum number of hours for the internship and senior project together is 300. A minimum of **220** clock hours is required for completion of the internship.

Five (5) learning outcomes are to be set with your supervisor and then approved by your instructor. Some possible learning outcomes that could be completed include the following: (1) Create network diagrams/schematics using Visio, (2) Program switches and routers, (3) Reimage Building 3 computers in Labs Room 313, 318, 322, (4) Troubleshoot software, (5) Learn network management and network operating systems, and (6) Implement VOIP system.

For the NET 4790 Senior Project, you need to be given total or partial responsibility for the senior project depending on the magnitude of the project. This is to be a major project. A minimum of **80** clock hours is required for completion of the Senior Project. The following is an example of the project and learning outcomes. Project: Move the telecommunications closet equipment to another location. Learning outcomes: (1) Set up equipment rack in new network management technology closet, (2) Install and configure new switch, (3) install and configure Cisco routers, (4) Install fiber lines into business, (5) Install and configure wireless access points in the company, and (6) Connect lines to routers. You will need to complete four (4) learning outcomes.







TIME SCHEDULE




Please copy the Excel file that will be used for your calendar. Send me a copy of your calendar with each of your progress reports. The Excel file can be found on the assignments page for this course.

NOTES

- All assignments are to be keyboarded in a professional manner and will be graded on content, organization, completeness, grammar, punctuation, and spelling.
- Late assignments will receive a 10% deduction for each day late up to a week. After one week, no assignments will be accepted.
- The last day to withdraw from this class is **November 6, 2018**.
- Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Service Center. SSD can also arrange to provide course materials (including this syllabus) in alternative formats if necessary.
- NMT policy dictates that any verifiable evidence of student academic cheating, as defined and determined by the instructor, will result in: (1) an automatic failing grade for the class and (2) a report to the Dean of Students that will include the student's name and a description of the student's dishonest conduct. You will be subject to academic discipline including the imposition of University sanctions. A description of cheating and possible sanctions is found in the WSU Student Code available on the WSU home page, at the office of the Vice President for Student Services, and at the WSUSA Office.
- Course fees in NET 4760, Network/Telecommunications Internship, are used to cover the cost of visiting the internship employer and student.

Course Summary:

Date	Details	
Wed Jan 8, 2020	 Initial Meeting (https://weber.instructure.com/appointment_groups/882)	9am to Jan 10 at 1pm
	 Instructor Meeting First Week of Semester (https://weber.instructure.com/courses/494261/assignments/4362644)	due by 11:59pm
Fri Jan 10, 2020	 Resume (https://weber.instructure.com/courses/494261/assignments/4362653)	due by 11:59pm
	 Student & Employer Information Form (https://weber.instructure.com/courses/494261/assignments/4362654)	due by 11:59pm
Fri Jan 17, 2020	 Internship & Senior Project Approval Forms (https://weber.instructure.com/courses/494261/assignments/4362646)	due by 11:59pm
Fri Jan 24, 2020	 Progress Report 1 (https://weber.instructure.com/courses/494261/assignments/4362648)	due by 11:59pm

Date	Details	
Fri Feb 7, 2020	 Progress Report 2 https://weber.instructure.com/courses/494261/assignments/4362649	due by 11:59pm
Fri Feb 21, 2020	 Progress Report 3 https://weber.instructure.com/courses/494261/assignments/4362650	due by 11:59pm
Fri Mar 6, 2020	 Progress Report 4 https://weber.instructure.com/courses/494261/assignments/4362651	due by 11:59pm
Thu Mar 12, 2020	 Instructor Meeting Midterm https://weber.instructure.com/courses/494261/assignments/4362645	due by 11:59pm
Fri Mar 20, 2020	 Progress Report 5 https://weber.instructure.com/courses/494261/assignments/4362652	due by 11:59pm
Fri Apr 10, 2020	 Final Written Report https://weber.instructure.com/courses/494261/assignments/4362643	due by 11:59pm
Fri Apr 17, 2020	 Completed Learning Outcomes https://weber.instructure.com/courses/494261/assignments/4362641	due by 11:59pm
	 Employer Evaluation https://weber.instructure.com/courses/494261/assignments/4362642	due by 11:59pm
	 Onsite Visit https://weber.instructure.com/courses/494261/assignments/4362647	due by 11:59pm
	 Student Evaluation https://weber.instructure.com/courses/494261/assignments/4362655	due by 11:59pm