NET 4760/4790 TELECOMMUNICATIONS INTERNSHIP AND SENIOR PROJECT

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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:

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.

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- 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.
- This syllabus is subject to change. I will notify the class regarding all changes. In the event of any discrepancy between this syllabus and content found in Canvas, the information in CANVAS WILL TAKE PRECEDENCE.