**WEBER STATE UNIVERSITY**

**NET 3715 – Network Technology Systems Applications Lab**

**COURSE SYLLABUS – FALL SEMESTER 2017**

**LOCATION:** WSU Davis Campus Room 311

**INSTRUCTOR:** Darin Myers – darinmyers@weber.edu

**PHONE**: Office: 801-220-4042 Cell: 801-332-0099

**Date/Time:** Thursdays – 7:30pm

**Website:** [**http://faculty.weber.edu/dmyers/**](http://faculty.weber.edu/dmyers/)

**OBJECTIVES:** Complete hands on labs working with transmission systems - TDM, Ethernet, and IP. Use of various circuit test sets. Installation, configuration, and troubleshooting of multiplexers, routers, switches, VoIP equipment/servers, etc. Run applications on private and public LAN/WAN networks. Discussion of new technologies.

**WEEK DATE SUBJECT Assignment**

1 Aug 31 Lab Overview/TDM vs IP lecture None

2 Sep 7 Media Overview/Digital Switching Lab Lines

3 Sep 14 Digital Switching Lab cont. Trunks

4 Sep 21 Optical Transport Lab Cisco 15454

5 Sep 28 Electrical Transport Lab Mux/Test equip

6 Oct 5 PTP Transport Lab Avaya VoIP

7 Oct 12 PTP Transport Lab Ethernet

8 Oct 19 Verizon site tour None

9 Oct 26 IP Routing Lab Basic

10 Nov 2 IP Routing Lab Advanced

11 Nov 9 IP Routing Lab Bkup Routes

12 Nov 16 SIP Lab Allworx

13 Nov 23 No Class - Thanksgiving None

14 Nov 30 SIP Lab Cont. SIP systems

15 Dec 7 Review Review

16 Dec 14 Final Exam Final

**Labs:** Will be given out at the beginning of classes and will be worked in groups. Attendance is required to complete labs.

**Grading Scale:**

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| --- | --- | --- |
| 95% - 100 % =A | 90% -  94 % =A- |  |
| 87% - 89% =B+ | 83% - 86% = B | 80% - 82% = B-     |
| 77% - 79% =C+ | 73% - 76% = C | 70% - 72% = C- |
| 67% - 69% =D+ | 63% - 66% = D | 60% - 62% = D- |

**ADA:** Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Services Center. SSD can also arrange to provide course materials (including the syllabus) in alternative formats if necessary.

**Academic Honesty:** 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.

**Campus Closure:** In the event of the campus being closed please check the Canvas portal for course instruction.

**Course Fees:** Course fees in the Network Management Technology major are designed to cover the costs of equipment maintenance and replacement, software, consumable materials and supplies, instructional resources, and certification.