**WEBER STATE UNIVERSITY**

**NTM 3715 – Transmission Network Applications**

**COURSE SYLLABUS – FALL SEMESTER 2015**

**LOCATION:** WSU Davis Campus Room 311

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

**PHONE**: Office: 801-220-4042 Cell: 801-597-9264

**Date/Time:** Thursdays – 8:00pm

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

**Learning Outcomes:**

* + - * Complete hands-on labs working with transmission systems - TDM, Ethernet, and IP.
			* Demonstrate proper use of various circuit test sets.
			* Install, configure, and troubleshoot multiplexers, routers, switches, VoIP equipment/servers, etc.
			* Run applications live on LAN/WAN networks.
			* Discuss new technologies.

**WEEK DATE SUBJECT Assignment**

1 Aug 28 Lab Overview/TDM vs IP lecture None

2 Sep 4 Media overview/TDM lines lab TDM lines lab

3 Sep 11 TDM lines/trunks lab TDM trunks lab

4 Sep 18 Transport lab #1 Transport lab

5 Sep 25 Transport lab #2 Transport lab

6 Oct 2 IP Routing Labs - Basic IP Routing Labs

7 Oct 9 IP Routing Labs - Advanced IP Routing Labs

8 Oct 16 XO Comm. Site Tour None

9 Oct 23 T1 PTP/Network/Avaya VoIP Lab None

10 Oct 30 T3 PTP/Network/Avaya VoIp Lab None

11 Nov 6 IP Routing Labs - Continued IP Routing Labs

12 Nov 13 SIP Lab SIP Lab

13 Nov 20 SIP Lab SIP Lab

14 Nov 27 No Class – Thanksgiving None

15 Dec 4 Labs Review for Final Exam None

16 Dec 11 Final Hands on Lab Exam None

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

**Grading Scale:** 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-

**Grades:** Labs (TDM Lines, TDM Trunks, Transport, IP Routing, SIP) = 75%

Final Hands-on Lab Exam = 25%

**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:** Any attempt to gain unfair advantage during exams, or submitting another student’s work as your own, is considered cheating.  If caught cheating in this class, you will fail the class and the university will pursue the matter.

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