WEBER STATE UNIVERSITY
NTM 2730 – Network Technology Applications Lab
COURSE SYLLABUS – FALL SEMESTER 2014

LOCATION:  WSU Davis Campus Room 311
INSTRUCTOR:  Darin Myers – darinmyers@weber.edu
Date/Time:  Thursdays – 8:00pm
Website:  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 over the public internet and private LAN/WAN networks. Discussion of 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 out at the beginning of classes and will be worked in groups. Attendance is required to complete labs.

GRADING:  Labs:  70%
            Quizzes:  5%
            Final Exam:  25%