

EECP 3281	Unix System Administration	3 Credit Hours
Prerequisites:	EECP 3180	
Goal	To prepare students for an entry-level position as a system administrator of a network utilizing the LINUX network operating system.	
Objectives		Outcomes
<p>The course should enable the student to:</p> <ol style="list-style-type: none"> 1. Prepare hardware for a LINUX installation 2. Configure a boot manager and system software 3. Recompile a custom kernel 4. Setup and manage print services 5. Configure and troubleshoot a GUI, TCP/IP, mail and web servers and DNS. 6. Understand system security 		<p>The students should be able to:</p> <ol style="list-style-type: none"> 1. Select and configure fundamental system hardware 2. Design and configure hard-disk system 3. Make and install programs from source 4. Manage shared libraries 5. Use Red Hat Package Manager (rpm) 6. Manage kernel modules 7. Reconfigure, build and install a custom kernel and modules 8. Perform basic file editing operations using common editors 9. Install, configure and manage local and remote printers and queues 10. Customize and use the shell environment 11. customize or write simple scripts 12. Install & Configure Xfree86, setup XDM, identify and terminate runaway X applications 13. Perform TCP/IP Troubleshooting & Configuration 14. Configure and manage inetd and related services 15. Properly manage the NFS, smb, and nmb daemons 16. Setup and configure basic DNS services