NORTHERN NEW MEXICO COLLEGE

MICROCOMPUTER SYSTEMS

Course Number **Course Name**	EECE 105L MICROCOMPUTER SYSTEMS
Credit Value (Breakdown of theory and lab credits)	3 credits, 2 Theory+ 1 Lab
Catalog Course Description	In this introductory course on microcomputers, you will study the characteristics and nature of modern-day computer systems, including hardware and software components. Among the principal software components, the course describes the roll of operating systems, and then focuses on Linux. The course provides the background knowledge and skills in Linux you will require for any type of engineering, technology or computer science related career. The course also includes an introduction to scripting languages and their benefits to automate operating systems tasks. (Fall, Spring) (3, 2T+1L)
Student Learning Outcomes/Objectives /Competencies of the Course	1. Identify the core components of a CPU, and describe the relationship of CPU and RAM. 2. Identify and explain the basic functions on an operating system. 3. Installing an operating system. 4. Manage user and group accounts, filesystem, packages, jobs, and processes from the command line interface (CLI). 5. Apply scripts to automate operating systems tasks; write, customize, and use control statements in shell scripts. 6. Apply permission settings on files and directories to secure filesystems.
College-Wide Student Learning Outcomes	Information regarding which of the following college-wide objectives will be addressed in the course along with which assignment will be used to measure this outcome: 1. Communication 2. Critical Thought