

Guiyang Vocational and Technical College

Lesson Plan for 2016-2017 Academy Year

Semester II

Department: Information Technology

Course Title	CNET-1100 Linux Administration	Instructor	Lewis Liu
Course Type	Compulsory	Course Schedule	Week 3 Section 3, 4 Mar 15th 2017
Audience	CNET 2015 class 1 and 2		
Lesson	Lab 2 Partitioning and Formatting		
Contents		Lesson Plan	
<div>1. Add a new virtual disk into virtual machine running Ubuntu operating system.</div> <div>2. Create root user password and switch to root user.</div> <div>3. Using "fdisk -l" to inspect disk partition tables.</div> <div>4. Using fdisk interactive mode to prepare a new partition table according to lab handout's description.</div> <div>5. Verify the validity of new created partition table by installing a new Ubuntu system into this disk.</div> <div>6. Formatting partitions according to lab handout's description.</div> <div>7. Write lab report and answer questions in handout manual.</div>		<div>1. Introducing lab agenda (10m)</div> <div>2. Explain key concepts related to lab contents, milestones and evaluation methods (10m)</div> <div>3. Demonstration of lab operations (25m)</div> <div>4. Observe students' operations (40m)</div> <div>5. Summary (5m)</div>	
Learning Outcomes	Understand the basic partition scheme used by major Linux distributions and know how to adapt partition scheme according to user's special requirement.		
Teaching Strategies	Using daily life analogs to explain abstract concepts behind critical operations Award students who's excellent in participation with credits Using handout as instruction manual and key check point reminder Divide students into groups to encourage discussion and cooperation		

Teaching Methods	Hands-on Lab
Pre-requisites (materials)	Virtualization Software: VMware or Virtualbox Ubuntu distribution installation media: ISO files
Diagrams and sketches	<ol style="list-style-type: none"> 1. Partition scheme 2. Key concepts list
Summary	<ol style="list-style-type: none"> 1. What do you think you've learned through this lab, please list 3 most important outcomes. 2. What issues have you encountered during this lab, how have you managed to solve them? 3. How will you validate that your partition scheme works as you expected?
Assignment	Lab Report Covering: <ol style="list-style-type: none"> 1. A detailed steps to achieve each milestone, with proving materials (such as snapshots of screen) 2. A summary covered key points in above section 3. Answers for questions listed in handout manual
Postmortem (handwritten)	