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| **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 |
| 1. Add a new virtual disk into virtual machine running Ubuntu operating system. 2. Create root user password and switch to root user. 3. Using "fdisk -l" to inspect disk partition tables. 4. Using fdisk interactive mode to prepare a new partition table according to lab handout's description. 5. Verify the validity of new created partition table by installing a new Ubuntu system into this disk. 6. Formatting partitions according to lab handout's description. 7. Write lab report and answer questions in handout manual. | | | | 1. Introducing lab agenda（10m） 2. Explain key concepts related to lab contents, milestones and evaluation methods （10m） 3. Demonstration of lab operations（25m） 4. Observe students' operations（40m) 5. Summary（5m） |
| 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 | | 1. Partition scheme 2. Key concepts list | | |
| Summary | | 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:   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） | |  | | |
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