

Collin College - Continuing Education

COURSE SYLLABUS

COURSE INFORMATION

Course Number: UNIX 7035

Course Title: Introduction to Linux

Course Description: This course is intended to prepare you to successfully complete the Linux Professional Institute "Linux Essentials" Certification Examination (the cost and administration of the Examination is NOT included, you must separately arrange that if you wish to have the certificate). This course presumes you have no prior contact with Linux/Unix; it is necessarily fast paced; and it is hands-on using both classroom Linux workstations and web based LPI/Cisco laboratory exercises. Emphasis is upon command line use but GUI use is also sufficiently addressed.

Suggested Course Prerequisite(s): Keyboarding skills. Prior computer experience (Microsoft or Macintosh end user skills will suffice). Basic network understanding is strongly recommended. Your Cougarweb/Cougarmail login credentials.

Course Resources:

Required:

Linux Essentials, 2nd Edition John Wiley & Sons; ISBN: 978-1-119-09206-3

Optional: LPI Linux Essentials Certification Exam Guide McGraw Hill; ISBN: 978-0-07-181101-9

Both are also available in electronic formats with varying ISBNs. Please note that one or both texts may be accessible through your Collin College Cougarweb/Cougarmail credentials, though online access during class may not be optimum.

Certification Notes:

Next course recommendation: Shell Scripting 1 – 4

Lesson Plan – by week or session:

Session 1: Installation and the whirlwind grand tour

Install CentOS on classroom workstation

Download and install virtualbox

Install Debian inside virtualbox

Chapter 1 – Selecting an Operating System

Chapter 2 – Investigating Linux's Principles and Philosophy

Chapter 3 – Understanding Software Licensing

Chapter 4 – Using Common Linux Programs

Session 2:

Chapter 5 – Hardware

Chapter 6 – Getting to know the Command Line

Session 3:

Chapter 7 – Files, Directories, other file types

Chapter 8 – Getting Help

Session 4:

Chapter 9 – Using Programs and Processes

Chapter 10 – Searching, Extracting, and Archiving Data

Session 5:

Chapter 11 – Editing Files

Chapter 12 – Creating Scripts
Session 6:
Chapter 13 – Understanding Users and Groups
Chapter 14 – Creating Users and Groups
Session 7:
Chapter 15 – Setting Ownership and Permissions
Chapter 16 – Navigating the Linux Filesystem
Session 8:
Chapter 17 – Networking
Comments on Enterprise Scale

Course Sessions:

Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

Method of Evaluation:

Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.

Refund Policy:

Please refer to www.collin.edu/ce/inforegistrar.html for our refund policy. No refunds after the start time of the first class.

Americans with Disabilities Act:

Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.