Revised: 4/24/2018
By: R McKinney

Nashville State Community College
Science, Technology, Engineering, and Math
Computer Information Technology

Master Course Syllabus

CITC 1332 UNIX/Linux Operating System

(*This master course syllabus template is a general guide for providing an overview of each course offered at Nashville State. Each instructor will further clarify specific criteria for grading, classroom procedures, attendance, exams and dates, etc. on his/her individual course syllabus. Prompts for individual adaptations are italicized and in parentheses; faculty should remove or replace these prompts when creating master syllabi and their own individual syllabi if they have not been removed previously*.)

Course Information:

Course Title: CITC 1332 UNIX/Linux Operating System
Credits: 3
Class Hours: 2
Lab Hours: 2

Course Description:

An overview of the UNIX and LINUX operating systems. Topics include the user interface, terminology and command structure within the multi-task/multiuser environment, electronic mail and communications standards, and standard UNIX/LINUX utilities needed to support the automated office. Academically prepares the student for the current LPI LE certification exam.
Prerequisite(s): Level 2 placement in English, Math, and Reading.

Instructor Information:

Name:
Email:
Office Phone:
Office Location:
Office Hours:

Required Textbook(s) & Other Materials:

Textbook(s):
ISBN:
Access Code: (*if applicable*; *delete line if not applicable*)
Reference Materials:
Supplies:

Once enrolled, all students should verify that they have the correct textbook and materials information by consulting the D2L/NS Online shell for the course. If you are registered with the Access Center and require an alternate format for the textbook and other course materials, please contact the Access Center at 615-353-3721, 615-353-3741, or accesscenter@nscc.edu.

Course Outcomes:

Upon successful completion of this course, students should be able to:

- Analyze open source software, FSF, the origin of UNIX & Linux and describe the GPL and GNU Project.
- Compare features of UNIX/Linux to Windows and generalize KDE, GNOME and the X-Windows system.
- Research multiple Linux distributions, distinguish advantages and disadvantages of using each and recommend distributions to users.
- Demonstrate competence using appropriate command syntax, redirection & navigation of UNIX/Linux from the command line interface (CLI). Show Linux aptitude within the graphical user interface (GUI) by performing basic end-user tasks.
- Create and modify files using the vi(m) text editor, formulate and implement a plan for effective Linux OS installation.
- Recognize the typical Linux directories from a general installation and perform administrative tasks of process management, partition monitoring, command scheduling, creating users/groups and setting user permissions.

Course Competencies:

The following are detailed course competencies intended to support the course outcomes:

- Describe the root system file hierarchies
- Demonstrate command line basics
- Create, remove, copy, move, and change permissions and ownership of files and directories
- Create, modify, and remove users and groups
- Manage processes and log files
- Create bash shell scripts

The following are general education competencies intended to support the course outcomes:

Topics to Be Covered:

- PC hardware
- Command line basics
- Files and directories
- Users and groups
- Permissions and ownership

- Archiving files
- Package management
- Processes and log files
- Creating scripts

Course Assessments:

The following performance assessments will be used to demonstrate students' understanding, knowledge, and skills:

- Students will complete quizzes and exams to demonstrate their individual competency in the application of concepts used in the assigned exercises. Specific criteria for evaluation of these tests are included in the grading policy shown below.
- Students will perform as team members in the completion of case project exercises that require individual contributions to the team's solution. Criteria for performance will be based on established criteria that include all necessary components used in the solution of the exercise, as detailed in the grading policy below.
- Students' ability to ask and respond to questions will be measured through a series of assigned hands-on and productivity tasks completed both individually and in teams within required specifications. Criteria for evaluation of performance will include accurate and efficient application of technical skills and knowledge as well as appropriate behaviors and attitudes. For example, students will be observed to determine the degree to which they ask relevant questions, remain open to ideas, think critically, adapt what they know to new information, approach work with inventiveness and enthusiasm, use precise language when communicating, set and meet deadlines, and so on. Students will participate in scenarios; an observation tool (checklist or matrix) will be used to document findings. Team productivity grades will result from these observations.

Grading Policy:

- Hands-on projects assigned to individuals and case projects for team work will have an assigned deadline.
- No points are given for projects turned in after the assigned deadline (unless prior arrangements have been made).
- Students are expected to do their own work on assigned individual exercises & to work cooperatively with teams.

Area	Percent
Report	10
Labs	40
Quizzes	20
Final	30
Total	100

Late Work Policy & Make-up Procedures for Missed Assignments and Work:

All work must be completed and turned in by the due date. No work will be accepted after the last class meeting.

Attendance Policy

Students are expected to attend all scheduled classes and laboratories. Absences in a course may affect a student's final grade. The student is responsible for all assigned work in the course regardless of excused or unexcused absences. Tardiness may also affect a student's final grade.

In online courses, attendance is signaled by logging on to the D2L/NS Online shell, participating as prompted (e.g., responding to an instructor's email, posting to a discussion board) and/or completing and submitting assignments. Campus closures do not affect attendance and assignment completion in online courses.

(*Each instructor will provide policy, especially how attendance influences student assessment and grading.*)

Grading Scale:

Letter Grade	Percentage Range
A	90 – 100
B	80 – 89
C	70 – 79
D	60 – 69
F	Less than 60

FA

According to NSCC policy, if a student fails a course, but has not officially withdrawn from the course, and her/his last date of attendance is before the last date to withdraw (*use date appropriate to your section*), the student will receive a grade of FA (i.e., "Failure for Attendance Reasons").

FN

An FN is awarded to students who never attended class.

Technology Statement

Nashville State's classes are considered to be web-enhanced. Faculty have an expectation that students will use a computer and the Internet to complete assignments, engage in online discussions, and access various course materials through D2L/NS Online course shells. Computers are available for student use at each campus during campus open hours.

D2L/NS Online and myNSCC

It is students' responsibility to check D2L/NS Online course shells for all enrolled courses and myNSCC, including student email, on a regular basis. These are the official communication channels between the college and students, who are responsible for the information communicated through those channels. D2L/NS Online contains specific course information and myNSCC contains information important for other purposes.

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ADA Compliance Statement

Nashville State complies with the Americans with Disabilities Act (ADA). If you require accommodations for any courses in which you are enrolled, contact the Access Center at 615.353.3741 or 615.353.3721, or e-mail accesscenter@nscc.edu. If you are registered with the Access Center and require an alternate format for the textbook and other course materials, please contact the Access Center.

Classroom Misconduct

Nashville State Community College has a zero-tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary measures. Please review the Nashville State Student Code of Conduct policy. Please be aware that children are not allowed in class or to be left unattended on campus.

Academic Misconduct

Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. Students are responsible for understanding and abiding by the Academic Misconduct Policy in the Nashville State Student Code of Conduct. In addition to other possible disciplinary measures that may be applied through regular college procedures as a result of academic dishonesty, the instructor has the authority to assign an "F" or a "zero" for the exercise, paper, or examination, or to assign an "F" for the course. Students may appeal through the appropriate college grade appeal procedures.

Academic Early Alert System

Nashville State Community College uses an Early Alert System to let students know of a faculty member's concern in one or more of these academic areas: lack of attendance, lack of classroom participation, late or missing assignments, and/or poor performance on assignments/tests. *Please note that Early Alerts do not affect a student's academic standing. If you receive an Early Alert email, please see your instructor and your academic advisor as soon as possible.

RAVE Emergency Alert System

Emergency events can happen at any time and Nashville State Community College wants to be able notify students if and when they occur. For this reason, all students have been enrolled in the free RAVE alert system. If you have not already done so, please log in at https://www.getrave.com/login/nscc to confirm and update your contact information and notification preferences. It is critical that your information be correct so that you will receive any emergency notifications. Your RAVE Username is your NSCC email address. If you've never received an email from RAVE with your password, or if you need to reset your password, select "Forgot your password?" and a new password will be emailed to you. Should the RAVE system indicate "user not found", select Register and create your own RAVE account.

Inclement Weather & Campus Closings

Nashville State will use the RAVE alert system to send a text message to students, staff, and faculty about adjusted hours of operation and/or closings at individual campuses. All students should check the Nashville State web site home page at www.nscc.edu for announcements on campus closures, which may vary from campus to campus. Campus closures will also be announced on local television stations. Students should use their own best judgment in determining whether to report to campus during inclement weather when classes are not cancelled.

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Even when campuses are closed, students are still responsible for completing all assigned work. When classes are cancelled, faculty will post online assignments and any additional instructions in the D2L/NS Online course shell. Check D2L/NS Online for a message from your instructor regarding your online assignment requirements. Faculty have discretion over adjusting deadlines or due date for assignments, but students are responsible for completing all assigned work by the due date established by the instructor**.**

Class Cancellation Policy

If the class is cancelled, the instructor will notify all students by posting in the D2L/NS Online course, e-mailing through D2L/NS Online, and/or by posting a sign on the classroom door. In the event of class cancellation, students must access D2L/NS Online to complete classwork and the assignment that will be posted in the course D2L site.

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