CSIT 327: Course Syllabus
Administrative Scripting – Spring 2020

Contact Information:
Thomas E. Blum
Office: Holroyd-133 (but am often in Holroyd 124)
Office Hours:
    Mon. 10:30 - 11:30 (Holroyd 133 or Holroyd 124)
    Tues. 3:30 – 4:30
    Wed. 10:30 - 11:30 (Holroyd 133 or Holroyd 124)
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Description:
The course focuses on scripts used to automate installation, maintenance and analysis of operating systems, networks and applications. It will cover scripting languages used in Windows (PowerShell including some Active Directory) and Linux environments (bash). Students will be expected to use, modify and write scripts to create and manage users and groups, to manage backup, to install and update applications, to log usage, etc.

Section: 31

Credits: 3

Meetings:
Mondays & Wednesdays 3:30-4:45 in Holroyd 120

Holidays:
MLK: Mon. Jan. 20
Spring break: March 16 - 20
Easter: Fri. Apr. 10 & Mon. Apr. 13

Other important dates:
Classes start: Jan 13
Midsemester grades due: Mar. 4
Last day to withdraw: Mar. 30
Classes end: May 1
Finals week: May 4 - 7

Books:
None

Learning Objectives:
Students should be able to
- Install and maintain Linux and Windows operating systems -- both manually and using automation.
- Use commands to navigate the file system and manipulate files.
- Write scripts that combine tasks to automate administrative procedures.
- Use basic programming constructs (conditions, loops, arrays, strings, file IO, objects, etc.) in the administrative scripting context.
Use Directory Services (such as Active Directory).

Assessment:
The components of the course will be weighted as follows

Tests:	32%	2 tests
Final:	16%	(cumulative emphasizing on any previously untested material)
Homework:	16%	
Labs:	32%	
Class:	4%	

In addition,
- Homework and labs assignments are to be done individually unless explicitly stated otherwise.
- Homework and lab assignments are due a week after they are assigned. Assignments submitted after the test on the relevant material will not be eligible for full credit.
- There will be two open-book, open-notes exams in which you will run commands, write scripts, define terms and so on. There will also be final of the same format. The date of a test will be announced at least one week before it is given.
- If at any time you take information from any source (book, website, etc.), that source should be cited. Failing to do so may be considered plagiarism and thus cheating.
- A late penalty of 10 pts (out of 100) will be deducted from your score for each week an assignment is late.
- The plus/minus grading system will be used.
- Attendance will be taken.
- Absences, lateness, etc. will be reflected in the class portion of the grade. More than three unexcused absences may result in the lowering of a grade.
Make-up tests are given at the discretion of the professor. You have to meet with me to discuss the reason for missing the exam and to schedule a make-up.
- The students should keep all returned materials (tests, homework, labs, and so on) until a final grade is received for the course.

Grading scheme:

A	94 <= average
A-	91 <= average < 94
B+	88 <= average < 91
B	85 <= average < 88
B-	82 <= average < 85
C+	79 <= average < 82
C	76 <= average < 79
C-	73 <= average < 76
D+	70 <= average < 73
D	67 <= average < 70

Classroom Behavior:
While in the classroom, students should behave in a manner that is neither distracting to nor disrespectful to the professor or other students.

Cheating:
When using materials from a book, website, etc., the source must be cited; otherwise it is considered plagiarism. Claiming another's work as your own is cheating. A student caught cheating will receive a score of zero. Cheating may result in a reduction of the final grade. Repeated cheating can result in a failing grade for the course. Asking another for help on part of an assignment is acceptable; handing in duplicate or nearly duplicate work is not. If you require a significant amount of assistance, you should seek my help. Finally, openly allowing your work to be copied is also cheating.

https://www.lasalle.edu/students/dean/divpub/manuals/studentguide/index.php?accordion_num=2&vn2_accordion_num=4&content=policies&anchorID=inte (Academic Integrity Policy)

https://www.lasalle.edu/students/dean/divpub/manuals/studentguide/index.php?accordion_num=2&vn2_accordion_num=4&content=policies&anchorID=dish (Academic Dishonesty)

Student Resources:
https://lasalle.instructure.com/courses/1772 includes links to
> Student Guide to Resources, Rights and Responsibilities
> Academic Integrity Policy
> American Disabilities Act
> IT Help Desk Support
> Academic and Learning Support Services
> Library