

CNT 4603 – System Administration – Course Syllabus

Spring 2015

Instructor Contact Information

Instructor	Dr. Mark Llewellyn
Office	HEC 236
Office Hours	M & W: 1:30-3:30pm T & Th: 10:30am-12:30pm
Phone	407-823-2790
E-mail	markl@cs.ucf.edu

Course Information

Course Name	System Administration and Maintenance
Course ID & Section	CNT 4603 Section 01
Credit Hours	3
Semester/Year	Spring 2015
Location	MSB 360 on M/W/F 3:30-4:20pm

Course Description

Pre-requisites: CGS 3763 (Operating System Concepts)

UCF catalog course description:

An examination of operating systems and applications installation, configuration, and maintenance, including client-server services, content management and deployment, server administration and management, and user/group management.

Course Goals and Objectives

1. Be able to perform basic system administration tasks on Windows Server 2008-12 based server systems.
2. Be able to define, install, and maintain system security policies under Server 2008-12
3. Be able to write simple professional scripts geared toward system administration activities in Windows PowerShell and Python
4. Be familiar with Active Directory under Windows Server 2008-12
5. Design and analyze Active Directory designs and infrastructures.
6. Be familiar with user administration tasks commonly performed by system administrators
7. Be able to perform feasibility studies to determine the cost effectiveness of IT decisions in the area of system components to support virtualization environments.

Required Text

Programming in Python 3: A Complete Introduction to the Python Language, 2e, Mark Summerfield, 2010, Pearson Education, ISBN-13: 978-0-321-68056-3.

Supplemental Texts

There are no additional textbooks required for this course.

Supplemental readings (often provided as web links) are included as appropriate within the content modules.

Course Requirements

This is a project-oriented course. You will complete a number of different projects each of which is designed to provide you some hands-on exposure to various tasks that system administrators encounter on a daily basis. Projects will vary in range and scope throughout the course. All of the projects are to be done individually. There are no group projects. Several of the projects will require that you create and administer a virtual network of server and client computer systems. As such it will be required that you have access to a desktop or laptop computer with a minimum of 8GB of RAM capable of supporting up to four virtual systems running simultaneously. There will also be some available lab time for you to work in HEC 322 on the UCF Main campus. More details on the use of this lab will be made available later.

There are no exams for this course, it is entirely project-based.

Missed Projects/Make-Ups/Extra Credit

All project assignments will be submitted via WebCourses by 11:59pm on or before their respective due dates. See below for a detailed listing of assignment due dates. Each assignment will include a two-day late submission period. During this late submission period you may still submit your assignment, however points will be deducted for missing the assignment deadline. Up to 24 hours late, will result in a 15% reduction in points. More than 24 hours late (up to 48 hours late) will result in a 30% reduction in points. At the end of the late submission period (48 hours after the original submission deadline), the assignment will be locked and no further submissions will be possible.

Evaluation and Grading

Each project will be weighted differently toward your final course grade. The weights of the projects are shown in the table below. The weights are reflective of the amount of work and the time demands required by each project.

Project	Percentage of Grade
Project 1	5.0%
Project 2	20.00%
Project 3	5.0%
Project 4	20.0%
Project 5	10.00%
Project 6	20.0%
Project 7	10.0%
Project 8	10.0%
Total	100%

Note: The failure to submit a project will result in a one letter grade reduction of your final course grade for each project without a submission over the course of the

semester. For example if your final grade percentage is 83.5% and you failed to submit project 3, your final course grade would be a C, not a B. If you also failed to submit project 7, then your final course grade would drop to a D.

Plus/minus grading will not be used in this course. Your final grade for the course will be determined using the table shown below.

Letter Grade	Points
A	90 – 100 points
B	80 – 89 points
C	70 – 79 points
D	60 – 69 points
F	59 and below

Academic Honesty

Plagiarism and Cheating of any kind on an examination, quiz, or assignment will result at least in an "F" for that assignment (and may, depending on the severity of the case, lead to an "F" for the entire course) and may be subject to appropriate referral to the Office of Student Conduct for further action. See the [UCF Golden Rule](#) for further information. I will assume for this course that you will adhere to the academic creed of this University and will maintain the highest standards of academic integrity. In other words, don't cheat by giving answers to others or taking them from anyone else. I will also adhere to the highest standards of academic integrity, so please do not ask me to change (or expect me to change) your grade illegitimately or to bend or break rules for one person that will not apply to everyone.

Disability Statement

The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. This syllabus is available in alternate formats upon request. Students with disabilities who need accommodations in this course must contact the professor at the beginning of the semester to discuss needed

accommodations. No accommodations will be provided until the student has met with the professor to request accommodations. Students who need accommodations must be registered with [Student Disability Services](#), Ferrell Commons, 7F, Room 185, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the professor.

Copyright

This course may contain copyright protected materials such as audio or video clips, images, text materials, etc. These items are being used with regard to the Fair Use doctrine in order to enhance the learning environment. Please do not copy, duplicate, download or distribute these items. The use of these materials is strictly reserved for this online classroom environment and your use only. All copyright materials are credited to the copyright holder.