

CLASS NUMBER AND NAME:	CSN111A- Command Line Interface
TOTAL HOURS/ UNITS:	24 HOURS/1.0 UNIT
PREREQUISITES:	None
TEXTS AND MATERIALS:	<i>Windows PowerShell :TFN 4th edition</i> Jason Helmick and Mike F Robbins, Sapien Press, 2014 (ISBN 9780981231466)
CLASS DESCRIPTION:	Lecture and hands on exercises introducing the student to Windows Powershell and Linux shell.
CLASS OBJECTIVES:	To provide the student with the skills to utilize the features of Windows Powershell and Linux shell.
CLASS FORMAT OVERVIEW:	This class is a combination of lecture and lab. Time spent in preparation for or reflection on course lecture will approximate two hours outside of class for each lecture credit hour utilized by the instructor in delivery of the material and ¼ hour outside of class for each hour of structured lab time.
METHODS OF INSTRUCTION:	As lecture and lab are the principal means of instruction, it will be expected that all students will be present every day to take part in class.
ATTENDANCE:	It is expected that each student will be in class <u>when class begins</u> . Should the student arrive more than <u>ten minutes late</u> they should notify the instructor of their presence, it will be up to the instructor to decide if the student has arrived in time to be counted as present- the instructor's decision is final. <u>80% attendance is mandatory</u> It will be the student's responsibility to learn of any assignments given in class when absent.
TESTING:	Quizzes will be given throughout the mod as well as a cumulative final exam. All quizzes, examinations, exercises and homework must be satisfactorily completed with a passing grade of 60% or better in order to pass the course.
LATE TESTING:	<u>Late testing is only allowed at the instructor's discretion.</u>

GRADING POLICIES:

The grading system is comprised of attendance, assignments, weekly tests, and a Final exam .

Assignments = 25%

Attendance = 15%

Weekly Exams = 35%

Final exam = 25%

Total Points = 100%

Combined grades for the above categories will be graded on the following scale:

90-100% = A

80-89% = B

70-79% = C

60-69% = D

0-59% = F

**ANTICIPATED LEARNING
OUTCOMES:**

Upon completing this course, the student will have an understanding of:

1. Installing PowerShell and Scripting tools.
2. Linux Shell
3. Navigating and Mapping PowerShell Drives
4. Using cmdlets with a variety of different functions
5. Using the PowerShell Pipeline
6. Using and updating Help
7. Sorting filtering and measuring data for output
8. Exporting and Formatting output
9. Managing Folders and files in PowerShell
10. Managing Services, Permissions, Logs, Processes and the registry
11. Writing Powershell scripts

Earned a passing grade in the course by earning a D or higher

6 Week Tentative Schedule

CSN111A

Week 1

Chapters 1,2,

Thurs: Homework due

Week 2

Chapters 3,4

Thurs: Homework due

Week 3

Chapters 5,6

Thurs: Homework due

Week 4

Chapters 7, 8

Thurs: Homework due

Week 5

Chapter 9,10

Thurs: Homework due

Week 6

Chapters 11,12

Thurs: Homework due

