



Basic Course Information

Semester:	Fall 2022	Instructor Name:	Instructor Zambrano
Course Title & #:	Windows Operating Systems CIS 159	Email:	William.zambrano@imperial.edu
CRN #:	10902	Webpage (optional):	See Canvas
Classroom:	901	Office #:	Via Zoom Appointment
Class Dates:	8/15 - 12/10	Office Hours:	
Class Days:	Wednesdays	Office Phone #:	Use Email
Class Times:	6:00pm-9:10pm	Emergency Contact:	Department Secretary 760-355-6361
Units:	3.00	Class Format:	In-Person
Last Day to Add Class	August 27, 2022	Last Day to Drop with a "W"	November 5, 2022

Course Description

Comprehensive hands-on application, use and training on a Windows client computer operating system for both beginning and intermediate level students. Instruction will include: operating system installation and configuration, graphical user interface and command-line commands, hardware installation and configuration, file system management, user and group management, security configuration, network configuration and management, troubleshooting, and disaster recovery.

Course Prerequisite(s) and/or Corequisite(s)

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and/or attitudes as demonstrated by being able to: Install, deploy, configure, repair, and manage a Windows client project using current industry software, hardware, and standards.

<https://imperial.curricunet.com/Search>

Course Objectives

1. Define operating system functions, properties, tools, utilities and boot functions; hardware and printer Resources; network configuration topologies, protocols and properties; security considerations and utilities; file system parameters and configurations; disaster recovery procedures; and the major elements of the Windows operating system architecture.

2. *Install the operating system; troubleshoot and repair boot errors.*
3. *Install and/or configure Windows operating system settings and components using both graphical user interface and command line tools/utilities, including the computer file system (compression and encryption, fragmentation, and disk configurations); hardware and printers; and system performance utilities.*
4. *Create and manage computer users and groups including user policies, user file and folder access and user profiles.*
5. *Configure and manage Windows operating system networking functions, to include joining a peer and a domain network, folder sharing, shared folder access, and virtual private networking.*
6. *Configure and troubleshoot computer security configurations, including resource access, auditing, firewalls and software updates.*
7. *Backup and recover data and system settings using backup utilities, System Restore, system repair utilities and disk recovery utilities.*

Textbooks & Other Resources or Links

William Panek 2017. MCSA: Windows 10 Complete Study Guide: Exam 70-698 and Exam 70-697 1. ISBN: 978-1119384960.

Course Requirements and Instructional Methods

Class Activity

Hands-On Labs

Mid-Term/Final Exam(s)

Objective

Oral Assignments

Problem Solving Exercise

Quizzes

Skill Demonstration

Written Assignments

Course Grading Based on Course Objectives

Grade	Points
A	900-1000
B	800-899
C	700-799
D	600-699
F	0-599

Points possible	Assignment/Assessment	Details
100	Discussions	10 points each X 10 discussions
100	Assignments	10 points each X 10 assignments
200	Quizzes	20 points each X 10 assignments
600	Exams	150 points each X 4 exams

Course Policies

Refer to the college catalog for attendance and academic honesty policies.

IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit <http://www.imperial.edu/studentresources> or click the heart icon in Canvas.

Anticipated Class Schedule/Calendar



Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
1	Syllabus & Introduction, Weekly Discussion and Assignment.	August 17, 2022
2	Syllabus & Introduction Lecture, Weekly Discussion and Assignment.	August 24, 2022
3	<u>Course Objective 1</u> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	August 31, 2022
4	Lecture, Hands-On Lab, Weekly Discussion and Assignment. Quiz	September 7, 2022
5	<u>Course Objective 2</u> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	September 14, 2022
6	<u>Course Objective 3</u> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	September 21, 2022
7	Lecture, Hands-On Lab, Quiz	September 28, 2022
8	<u>Course Objective 4</u> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	October 5, 2022
9	<u>Course Objective 5</u> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	October 12, 2022
10	Lecture, Hands-On Lab, Quiz	October 19, 2022
11	<u>Course Objective 6</u> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	October 26, 2022
12	<u>Course Objective 7</u> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	November 2, 2022
13	Lecture, Hands-On Lab, Quiz	November 9, 2022
14	Study for Final Exam	November 30, 2022
15	Final Exam	December 7, 2022

*****Subject to change without prior notice*****