



## Basic Course Information

Semester:	<b>Spring 2023</b>	Instructor Name:	<b>Zambrano, William</b>
Course # and Title:	<b>Windows Operating Systems</b>	Email:	<a href="mailto:William.zambrano@imperial.edu">William.zambrano@imperial.edu</a>
CRN #:	<b>20970</b>	Webpage (optional):	
Classroom:	<b>901</b>	Office #:	<b>901, Email, or Zoom</b>
Class Dates:	<b>2/13/2023 – 6/09/2023</b>	Office Hours:	<b>M: 4pm-6pm/TR: 10am&amp;1-2pm, Zoom, and Email. *Subject to change.</b>
Class Days:	<b>M</b>	Office Phone #:	<b>Use Email</b>
Class Times:	<b>6:00pm-9:10pm</b>	Emergency Contact:	<b>Department Secretary 760-355-6361</b>
Units:	<b>4</b>	Class Format:	<b>In-Person</b>

## 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)

N/A

## 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.

## 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

*Cisco. IT Essentials Companion Guide v7. ISBN: 9780135645376*

### Course Requirements and Instructional Methods

Class Activity

Hands-On Labs

Quizzes, Mid-Term/Final Exam(s)

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	Due Dates/Tests
1	Syllabus & Introduction, Weekly Discussion and Assignment.	February 13, 2023
2	Syllabus & Introduction Lecture, Weekly Discussion and Assignment.	Weekly Online Submissions
3	<b>Course Objective 1</b> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	Weekly Online Submissions
4	Lecture, Hands-On Lab, Weekly Discussion and Assignment.	Weekly Online Submissions
5	<b>Course Objective 2</b> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	Weekly Online Submissions
6	<b>Course Objective 3</b> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	Weekly Online Submissions
7	Lecture, Hands-On Lab,	Weekly Online Submissions
8	<b>Course Objective 4</b> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	Weekly Online Submissions
9	<b>Course Objective 5</b> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	Weekly Online Submissions
10	Lecture, Hands-On Lab,	Weekly Online Submissions
11	<b>Course Objective 6</b> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	Weekly Online Submissions
12	<b>Course Objective 7</b> Lecture, Hands-On Lab, Weekly Discussion and Assignment.	Weekly Online Submissions
13	Lecture, Hands-On Lab	
14	Hands-On Lab	
15	Hands-On Lab	
16	Hands-On Lab	
17	<b>Final Exam</b>	<b>Last Week: June 5-9, 2023</b>

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