



Basic Course Information

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|---------------------|---|---------------------|--|
| Semester: | Spring 2023 | Instructor Name: | Zambrano, William |
| Course # and Title: | CIS 167 System and Network Admin | Email: | William.zambrano@imperial.edu |
| CRN #: | 20899 | Webpage (optional): | |
| Classroom: | 901 | Office #: | 901, Email, or Zoom |
| Class Dates: | 2/13/2023 – 6/09/2023 | Office Hours: | M: 4pm-6pm/TR: 10am&1-2pm, Zoom, and Email. *Subject to change. |
| Class Days: | MW | Office Phone #: | Use Email |
| Class Times: | 11:20am-12:45pm | Emergency Contact: | Department Secretary 760-355-6361 |
| Units: | 3 | Class Format: | In-Person |

Course Description

This course will provide a student with the knowledge and skills required to build, maintain, troubleshoot and support server hardware and software technologies. The student will be able to identify environmental issues; understand and comply with disaster recovery and physical / software security procedures; become familiar with industry terminology and concepts; understand server roles / specializations and interaction within the overall computing environment.

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.

Course Objectives

1. Examine server fundamentals.
2. Identify the hardware components of a server.
3. Describe the features of server software.
4. Examine the various types of storage systems used in servers.
5. Install hardware components on a server.
6. Configure servers.
7. Examine the issues in upgrading server components.
8. Identify some of the industry's best practices for deploying a server and the various strategies of securing, accessing, and remotely managing the server hardware.
9. Troubleshoot servers.
10. Describe disaster recovery concepts and techniques



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Textbooks & Other Resources or Links

Troy McMillan. *CompTIA Server+ Study Guide: Exam SK0-005*. ISBN: 978-1119891437

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 | Lecture, Weekly Discussion and Assignment. | Weekly Online Submissions |
| 3 | Course Objective 1 Lecture, Hands-On Lab, Weekly Discussion and Assignment. | Weekly Online Submissions |
| 4 | Lecture, Hands-On Lab, Weekly Discussion and Assignment. | Weekly Online Submissions |
| 5 | Course Objective 2 Lecture, Hands-On Lab, Weekly Discussion and Assignment. | Weekly Online Submissions |
| 6 | Course Objective 3 Lecture, Hands-On Lab, Weekly Discussion and Assignment. | Weekly Online Submissions |
| 7 | Lecture, Hands-On Lab, | Weekly Online Submissions |
| 8 | Course Objective 4 Lecture, Hands-On Lab, Weekly Discussion and Assignment. | Weekly Online Submissions |
| 9 | Course Objective 5 Lecture, Hands-On Lab, Weekly Discussion and Assignment. | Weekly Online Submissions |
| 10 | Lecture, Hands-On Lab, | Weekly Online Submissions |
| 11 | Course Objective 6 Lecture, Hands-On Lab, Weekly Discussion and Assignment. | Weekly Online Submissions |
| 12 | Course Objective 7 Lecture, Hands-On Lab, Weekly Discussion and Assignment. | Weekly Online Submissions |
| 13 | Course Objective 8 Lecture, Hands-On Lab | |
| 14 | Course Objective 9 Hands-On Lab | |
| 15 | Course Objective 10 Hands-On Lab | |
| 16 | Hands-On Lab | |
| 17 | Final Exam | Last Week: June 5-9, 2023 |

Subject to change without prior notice