Point Loma Nazarene University Mathematical, Information and Computer Sciences CIT 3081 Cloud+ Exam Prep Spring 2025 – Online (1 Credit Hour)

Time and Place:	Online and anytime
Instructor:	Maria Zack, Ph.D.
	mzack@pointloma.edu
Office Hours:	Remote only: Please email me for an appointment.
Text: Text is include	d as an electronic copy in the course.

If students prefer a written copy of the textbook, they may purchase one at their own expense.

CompTIA Cloud+ Study Guide: Exam CV0-003, 2nd Edition Author: Todd Montgomery and Stephen Olson Publisher: Wiley Sybex ISBN: 978-1119810865

Needed Supplies:

Students will need access to a computer and a high-speed internet connection

Content:

CIT 3081 is an independent study, self-paced, competency-based course designed for students who wish to prepare for the CompTIA's Cloud+ certification exam. The course is intended for students who have already completed the CIT 3074 – Cloud Computing course or equivalent Cloud Computing education. Students will be required to complete pre-assessment exams to determine which (if any) knowledge domains require review. Students will then review any required knowledge domains to prepare for the practice exams. Students will then take a series of practice tests, review deficient content areas, and retake until all practice tests have been passed with an 80 or better. A minimum score of 80 on all practice exams and the post-assessment exam is required to receive a voucher to take the certification exam. A faculty adviser provides support and accountability in completing the course requirements. Although the course is self-paced, a minimum amount of progress must be made each week, and all course

requirements must be completed within the assigned course time. Attempting the certification exam within the assigned course time is also required. Although passing the certification exam is not required to pass this course, the results of the certification exam will be used to determine the final grade in the course. Students already holding a current certification for this course are not eligible to take this course.

Philosophy and Approach:

Self-paced competency-based courses are designed to allow students to move through course material as quickly as they like while demonstrating a minimum level of competency on a given topic before they are permitted to move forward in the course. The course is divided into practice exams and other learning activities to help prepare students in the knowledge areas on the certification exams.

Although this is a self-paced course, students must complete all assignments before their due date to avoid any point deductions. Students must also complete all certification practice exams by the end of week 13 and attempt the Cloud+ certification exam by the end of week 14. Once students attempt the Cloud+ certification exams, no additional work in the course is required. However, if the student did not pass the certification exam to improve their grade in the course until the end of week 15. Points will be deducted from the student's overall grade if activity due dates are not met. However, students are encouraged to move as quickly as they are able and complete all course requirements before the 15-week time limit.

Objectives:

The course is designed to help you:

- Acquire and reinforce knowledge and develop an understanding of the knowledge domains associated with the CompTIA Cloud+ certification exams.
- Prepare for and take the CompTIA Cloud+ certification exams.

Learning Outcomes

- Students will be able to explain basic cloud computing concepts.
- Students will be able to determine various cloud computing techniques and best practices and problem-solving.
- Students will be able to determine the most appropriate cloud configuration needed to meet a specific problem.
- Students will be able to create compute and storage instances to meet specific needs.

Program Learning Outcomes Assessed in this Course:

Outcome: Students will be able to identify and evaluate information technology infrastructure necessary to meet an organization's business needs.

Assessment Tool: Certification Exam

Outcome: Students will be able to apply their technical knowledge and critical thinking to solve problems (Critical Thinking).

Assessment Tool: Certification Exam

Grading:

Your grade for the course is based on the points earned by the following criteria at the end of the course:

- Exam score of 750 or more and the exam 1000 points (100% or "A")
- Exam score between 650 and 749 and practice exams complete with 80+ 860 points (86% or "B")
- Exam score between 550 and 649 and practice exams complete with 80+ 760 points (76% or "C")
- Exam score between 450 and 549 and practice exams complete with 80+ 660 points (66% or "D")
- Exam score below 450 or all quizzes and exams not complete with 80+ zero points (0% or "F")

Students must earn 450 points on the certification exam and have no more than 60 points missing for late work from the final course points to earn 60% in the course to pass the course with a "D-".

The grading scale for the course is based on the percentage of points available:

Α	92 - 100%	С	72 - 76.9%
A-	90 - 91.9%	C-	70 - 71.9%
B+	87 - 89.9%	D+	67 - 69.9%
В	82 - 86.9%	D	62 - 66.9%

B-	80 - 81.9%	D-	60 - 61.9%
C+	77 - 79.9%	F	0 - 59.9%

Note: 25 points will be deducted from a student's overall point total for each assessment exam and practice exam that is not completed with a score of 80% or better by their respective due dates.

10 points per day will be deducted for each day the exam appointment confirmation and exam result is not submitted.

Late Work Policy

There will be overall course point deductions for each due date that is not met.

Credit Hour:

In the interest of providing sufficient time to accomplish the stated course learning outcomes, this class meets the PLNU credit hour policy for a 1-unit class delivered over 15 weeks. It is anticipated that you will spend a minimum of 37.5 participation hours per credit hour in your course. The estimated time expectations for this course are shown below:

Knowledge Domain Review	20
Practice Exams	12
Certification Exams	6
TOTAL	38

Tests and Learning Activities:

All chapter tests, practice exams and learning activities can be redone as often as needed to achieve the desired score. A minimum score of 80% on all practice exams are required to pass the course if a passing score on the certification exams is not achieved.

Final Exam: Date and Time:

The final in the course is the CompTIA Cloud+ certification exam and can be taken any time before its due dates. All students are required to attempt the certification exam at least once before the end of week 15. The cost of the first attempt on the exam is included as part of this course. Students may retake the certification exam if they do not pass on their first attempt but must purchase their own vouchers for any subsequent attempts.

Technical Support:

Please contact IT Services (ITS) at 619-849-2222 for technical support if your account gets locked out or you need a password reset. If you call after hours (between 6 pm and 11 pm), and the matter is urgent, you may leave a voice mail message and mark the message as urgent. The on-call technician will respond to you within 30 minutes.

University Mission:

Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is modeled and formed, and service becomes an expression of faith. Being of Wesleyan heritage, we aspire to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

Department Mission:

The Mathematical, Information, and Computer Sciences department at Point Loma Nazarene University is committed to maintaining a curriculum that provides its students with the tools to be productive, the passion to continue learning, and Christian perspectives to provide a basis for making sound value judgments.

Attendance:

Regular and punctual attendance at all class sessions is considered essential to optimum academic achievement. Therefore, regular attendance and participation in each course are minimal requirements.

If the student is absent for more than 10 percent of class sessions, the faculty member will issue a written warning of de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice until the university withdrawal date or, after that date, receive an "F" grade.

Students who anticipate being absent for an entire week of a course should contact the instructor in advance for approval and make arrangements to complete the required coursework and/or alternative assignments assigned at the discretion of the instructor. Acceptance of late work is at the discretion of the instructor and does not waive attendance requirements.

Refer to Academic PoliciesLinks to an external site. for additional details.

For example, In a one-unit, 16-week self-paced online course, a student may be deenrolled for not completing assignments for two or more consecutive weeks or more than three weeks total.

Academic Accommodations:

PLNU is committed to providing equal opportunity for participation in all its programs, services, and activities in accordance with the Americans with Disabilities Act (ADA). Students with disabilities may request course-related accommodations by contacting the Educational Access Center (EAC), located in the Bond Academic Center (EAC@pointloma.edu or 619-849-2486). Once a student's eligibility for an accommodation has been determined, the EAC will work with the student to create an Accommodation Plan (AP) that outlines allowed accommodations. The EAC makes accommodations available to professors at the student's request.

PLNU highly recommends that students speak with their professors during the first two weeks of each semester/term about the implementation of their AP in that particular course. Accommodations are not retroactive, so clarifying with the professor at the outset is one of the best ways to promote positive academic outcomes.

Students who need accommodations for a disability should contact the EAC as early as possible (i.e., ideally before the beginning of the semester) to ensure appropriate accommodations can be provided. It is the student's responsibility to make the first contact with the EAC. Students cannot assume that because they had accommodations in the past, their eligibility at PLNU is automatic. All determinations at PLNU must go through the EAC process. This is to protect the privacy of students with disabilities who may not want to disclose this information and are not asking for any special accommodations.

Students wishing to receive accommodations for the official CompTIA certification exam must contact CompTIA and request the accommodation themselves through PersonVue at <u>https://home.pearsonvue.com/test-taker/Test-accommodations.aspx</u>. Links to an <u>external site</u>. This process can take several weeks, so students must begin the process

early to seek an accommodation. The university can not assist in the CompTIA accommodation request; it is the student's responsibility to apply directly with PersonVue and provide the required paperwork.

Some Tips About This Class:

- Set aside at least one to two hours each week to complete learning sessions.
- Quizzes and assignments can be redone as many times as you like. Maximize your points by redoing assignments that do not receive full credit.
- If you have a question, **ASK**.

Recommended Class Schedule:

Week 1	Take the pre-assessment exam before the due date.
Week 2	Review lessons indicated on the pre-assessment that need review. Take chapter quizzes, complete chapter labs and review chapter flash cards.
Week 3	Take Practice A and earn a score better than 80% before the due date.
Week 4	Take Practice B and earn a score better than 80% before the due date.
Weeks 5	Review lessons indicated on your first attempt of Practice B exam. Take chapter quizzes, complete chapter labs and review chapter flash cards.
Week 6	Take Practice C and earn a score better than 80% before the due date.
Week 7	Take Post Assessment and earn a score better than 80% before the due date.

Week 10	Take the Cloud+ exam
Week 11	Retake the certification exam if needed.

Additional Course Information:

Additional PLNU policies and practicesLinks to an external site. that apply to this course can be found at the following link: <u>https://docs.google.com/document/d/1RcF7S-</u> <u>KrVqgSVzclL1SnUjTlalcySL8I/edit?usp=sharing&ouid=116164865489739533893&rtpo</u> <u>f=true&sd=trueLinks to an external site.</u>

Course Summary:

Date	Details	Due
Sun Jan 19, 2025	Assignment Pre-Assessment Exam	due by 11:59pm
Sun Feb 2, 2025	Assignment Practice Exam A	due by 11:59pm
Sun Feb 9, 2025	Assignment Practice Exam B	due by 11:59pm
Sun Feb 23, 2025	Assignment Practice Exam C	due by 11:59pm
Sun Mar 2, 2025	Assignment Post Assessment Exam	due by 11:59pm
Tue Mar 4, 2025	Assignment <u>Exam Appointment Confirmation -</u> <u>Cloud+</u>	due by 11:59pm
Sun Mar 16, 2025	Assignment Certification Exam Results	due by 11:59pm
Sun Mar 23, 2025	Assignment Official Course Evaluation	due by 11:59pm

Assignment Chapter 01 - An Introduction to	
Cloud Computing Configurations and	
Deployments	
Assignment Chapter 02 - Cloud Deployments	
Assignment Chapter 03 - Security in the Cloud	
Assignment <u>Chapter 04 - Implementing Cloud</u> Security	
Assignment <u>Chapter 05 - Maintaining Cloud</u> <u>Operations</u>	
Assignment Chapter 06 - Disaster Recovery,	
Business Continuity, and Ongoing Maintenance	
Assignment Chapter 07 - Cloud Management	
Assignment Chapter 08 - Troubleshooting	
Assignment Chapter 09 - Cloud Management	
Baselines, Performance, and SLAs	
Assignment Chapter 10 - Troubleshooting	
Networking and Security Issues and Understanding Methodologies	
Assignment <u>Course Points</u>	