

# Course Syllabus

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## Point Loma Nazarene University

### CIT 3081 Cloud+ Exam Prep

### Summer 2024 – Online (1 Credit Hour)

**Time and Place:** Online and anytime

**Instructor:** Maria Zack, Ph.D.

[mzack@pointloma.edu](mailto:mzack@pointloma.edu) (<mailto:mleih@pointloma.edu>)

**Office Hours:** On-line Anytime by appointment.

Students are welcome to contact me via e-mail and schedule an appointment at any time as I am available. Appointments can be face to face in my office, on the phone or via a video conference call.

**Text:** Text is included as an electronic copy in course.

If students would 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 test have been passed with an 80 or better. **A minimum score of 80 on all practice exams and the post assessment exam are required to receive a voucher to take the certification exam.** A faculty adviser provides support and accountability in completing the requirements of the course. 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 prior to 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 on their first attempt, they can continue to study and retake the 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 prior to the 15-week time limit.

### **Objectives:**

The course is designed to help you:

- Acquire and reinforce knowledge and develop 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.

### 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:

<b>A</b>	92 - 100%	<b>C</b>	72 - 76.9%
<b>A-</b>	90 - 91.9%	<b>C-</b>	70 - 71.9%
<b>B+</b>	87 - 89.9%	<b>D+</b>	67 - 69.9%
<b>B</b>	82 - 86.9%	<b>D</b>	62 - 66.9%
<b>B-</b>	80 - 81.9%	<b>D-</b>	60 - 61.9%
<b>C+</b>	77 - 79.9%	<b>F</b>	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
<b>TOTAL</b>	<b>38</b>

### 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 work in this course is expected to meet course attendance requirements. Meeting scheduled practice exam requirements is also required for attendance and to avoid any point deduction for late work.

Regular attendance throughout the course is considered essential to optimum academic achievement. If the student is absent from more than 10 percent of class activities, the faculty member can file a written report, which may result in de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice until the university drop date or, after that date, receive the appropriate grade for their work and participation. See Academic Policies in the Graduate and Professional Studies Catalog for additional detail.

For example: In a four-unit 16-week on-line course, a student may be de-enrolled after 3 weeks of no activity in the course.

**Class Enrollment:**

It is the student's responsibility to maintain his/her class schedule. Should the need arise to drop this course (personal emergencies, poor performance, etc.), the student has the responsibility to follow through (provided the drop date meets the stated calendar deadline established by the university), not the instructor. Simply ceasing to attend this course or failing to follow through to arrange for a change of registration (drop/add) may easily result in a grade of F on the official transcript.

**Academic Accommodations:**

PLNU is committed to providing equal opportunity for participation in all its programs, services, and activities. 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 issue an academic accommodation plan ("AP") to all faculty who teach courses in which the student is enrolled each semester.

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 and/or if they do not wish to utilize some or all of the elements of their AP in that course.

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 assure appropriate accommodations can be provided. It is the student's responsibility to make the first contact with the EAC.

Students wishing to receive accommodations for the official CompTIA certification exam, must contact CompTIA and request the accommodation themselves through PersonVue at

<https://home.pearsonvue.com/test-taker/Test-accommodations.aspx>. 

(<https://home.pearsonvue.com/test-taker/Test-accommodations.aspx>) 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 to provide the required paperwork.

**Academic Honesty:**

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. Academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the results of another person's creativity and effort. A faculty member who believes a situation involving academic dishonesty has been detected may assign a failing grade for that assignment or examination, or, depending on the seriousness of the offense, for the

course. Faculty should follow and students may appeal using the procedure in the university Catalog. See Academic Policies in the Graduate and Professional Studies Catalog for definitions of kinds of academic dishonesty and for further policy information.

### **Etiquette and Behavior:**

Students are expected to actively and positively engage in the adult learning environment. Behaviors that disrupt the classroom environment and interfere with the learning of others are prohibited. Examples of disruptive behavior include talking with other students during a presentation or when others are speaking, texting, gaming, internet browsing, or reading non-course related materials. All cell phones and other electronic communication devices will be turned off at the beginning of class. Tablets and computers are allowed in class for note-taking purposes only, unless otherwise directed by the instructor. Should a student's behavior become disruptive to the productivity of the course they will be asked to leave the classroom and not receive credit for attendance.

In the online environment, students are expected to also be actively and positively engaged in an adult learning environment and consider the complexities of engaging in discussions in an online environment. Disagreeing with each other and engaging in debates about ideas is encouraged to better understand each other's ideas and perspectives. Such discussions should never involve personal comments, offensive or inappropriate language, or either aggressive or passive aggressive verbiage.

Students who wish to share feedback about the course, program, PLNU, or any administration, faculty, or staff should not do so within course discussions, assignments, or projects and should meet one-on-one with the professor or program director. A classroom or an online learning environment is not the proper place to discuss feedback about the university or any university representatives.

Persons not enrolled in the course are not permitted to be present in class. This policy includes family/friends of students and potential students.

When working with PLNU staff, faculty and administrators, and other students, students are expected to communicate and act respectfully. Any aggression or disrespect to any party may result in up to and including suspension from PLNU. See Academic Behavior Policy in the Graduate and Professional Studies Catalog for definitions of behaviors and further policy information.

### **Copyright Protected Materials:**

Point Loma Nazarene University, as a non-profit educational institution, is entitled by law to use materials protected by the US Copyright Act for classroom education. Any use of those materials outside the class may violate the law.

### E-mail and Messages:

It is expected that students regularly use e-mail. The instructor will periodically send you information and updates via e-mail and/or via canvas. In the first week of class you must activate your PLNU e-mail account if you are not currently using it. Please send questions about specific problems or course details to the instructor by posting them in Canvas so that all members of the class can see the response.

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




Weeks 8-9	Review lessons indicated on your first attempt of Practice B exam. Take chapter quizzes, complete chapter labs and review chapter flash cards.
Week 10	Take Practice C and earn a score better than 80% before the due date.
Week 11	Review lessons indicated by the practice exams and retake the practice exams.
Week 12	Take Post Assessment and earn a score better than 80% before the due date.
Week 14	Take the Cloud+ exam
Week 15	Retake the certification exam if needed.

## Course Summary:

Date	Details	Due
Sun May 12, 2024	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036107">Pre-Assessment Exam</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036107">https://canvas.pointloma.edu/courses/75467/assignments/1036107</a> )	due by 11:59pm
Sun May 26, 2024	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036104">Practice Exam A</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036104">https://canvas.pointloma.edu/courses/75467/assignments/1036104</a> )	due by 11:59pm
Sun Jun 16, 2024	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036105">Practice Exam B</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036105">https://canvas.pointloma.edu/courses/75467/assignments/1036105</a> )	due by 11:59pm
Sun Jul 7, 2024	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036106">Practice Exam C</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036106">https://canvas.pointloma.edu/courses/75467/assignments/1036106</a> )	due by 11:59pm
Sun Jul 21, 2024	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036103">Post Assessment Exam</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036103">https://canvas.pointloma.edu/courses/75467/assignments/1036103</a> )	due by 11:59pm
Tue Jul 23, 2024	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036101">Exam Appointment Confirmation - Cloud+</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036101">https://canvas.pointloma.edu/courses/75467/assignments/1036101</a> )	due by 11:59pm
Sun Aug 11, 2024	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036089">Certification Exam Results</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036089">https://canvas.pointloma.edu/courses/75467/assignments/1036089</a> )	due by 11:59pm

Date	Details	Due
Sun Aug 18, 2024	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036102">Official Course Evaluation</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036102">https://canvas.pointloma.edu/courses/75467/assignments/1036102</a> )	due by 11:59pm
	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036090">Chapter 01 - An Introduction to Cloud Computing Configurations and Deployments</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036090">https://canvas.pointloma.edu/courses/75467/assignments/1036090</a> )	
	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036091">Chapter 02 - Cloud Deployments</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036091">https://canvas.pointloma.edu/courses/75467/assignments/1036091</a> )	
	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036092">Chapter 03 - Security in the Cloud</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036092">https://canvas.pointloma.edu/courses/75467/assignments/1036092</a> )	
	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036093">Chapter 04 - Implementing Cloud Security</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036093">https://canvas.pointloma.edu/courses/75467/assignments/1036093</a> )	
	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036094">Chapter 05 - Maintaining Cloud Operations</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036094">https://canvas.pointloma.edu/courses/75467/assignments/1036094</a> )	
	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036095">Chapter 06 - Disaster Recovery, Business Continuity, and Ongoing Maintenance</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036095">https://canvas.pointloma.edu/courses/75467/assignments/1036095</a> )	
	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036096">Chapter 07 - Cloud Management</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036096">https://canvas.pointloma.edu/courses/75467/assignments/1036096</a> )	
	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036097">Chapter 08 - Troubleshooting</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036097">https://canvas.pointloma.edu/courses/75467/assignments/1036097</a> )	
	 <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036098">Chapter 09 - Cloud Management Baselines, Performance, and SLAs</a> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036098">https://canvas.pointloma.edu/courses/75467/assignments/1036098</a> )	
	 <a href="#">Chapter 10 - Troubleshooting Networking and Security Issues</a>	

Date	Details	Due
	<u>and Understanding Methodologies</u> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036099">https://canvas.pointloma.edu/courses/75467/assignments/1036099</a> )	
	 <u>Course Points</u> ( <a href="https://canvas.pointloma.edu/courses/75467/assignments/1036100">https://canvas.pointloma.edu/courses/75467/assignments/1036100</a> )	