

CIS 192 – Introduction to Cloud Computing

Course Information

Sect 29167 – LEC and Sect 29168 – LAB – Online from August 26 2019 – October 20 2019
Final Exam: ONLINE in Canvas the week of October 14 2019, due Oct 20 2019

Co-requisite Co Sci 401 or CS 101

Course Description:

This course introduces the fundamentals of cloud computing including the different cloud computing models: Infrastructure as a Service; Platform as a Service; and Software as a Service on the Amazon Web Services (AWS) platform. Review of the basic concepts of server, networking, storage and virtualization is covered. Industry trends of computing, storage and application migration to cloud computing is covered. Advantages and disadvantages of cloud computing are examined. Cloud careers and industry demand for cloud computing skills are listed.

Student Learning Outcomes:

1. The student will demonstrate an understanding of cloud computing, it's advantages and disadvantages and an understanding of the different cloud computing models.
2. The student will have basic knowledge of how data center services can be migrated to the Amazon Web Service public cloud.

Required Text Book(s):

I hope you will find all the course content and the videos in the Canvas shell to be sufficient material to succeed in this course.

Optional Reference Material:

1. Amazon Web Services in Action by G. Wittig and A. Wittig ISBN-13: 978-1617295119
2. Learning Amazon Web Services (AWS): A Hands-On Guide to the Fundamentals of AWS Cloud Mark Wilkins ISBN: 9780135301098
3. AWS Certified Cloud Practitioner Complete Video Course by Richard Jones

Costs and Fees:

Amazon Web Services charges for the use of their platform. While all enrolled students will receive a \$100 credit toward any AWS charges via the AWS Educate program, it is extremely important to realize that what you do online might easily spend this entire credit. It is my intent to utilize a free-tier of service that AWS provides to all new users. If you do something wrong however, you could easily spend this entire credit and be liable for additional fees and charges that I cannot get waived. One of our early tasks in class is to setup a budget alert so that you can be informed via email about any overage charges. **Please act responsibly and carefully to prevent these costs and fees.**

Software:

In order to access Amazon Web Services, you will need to use a supported web browser. At the present time, Amazon supports the following browsers:

Google Chrome: latest 3 versions

Mozilla Firefox: latest 3 versions

Microsoft Explorer: version 11 and higher Microsoft Edge: version 12 and higher

Apple Safari: version 7, 8 and 9

Please use one of these supported products. Install this product on whatever computer you plan to use to access Amazon Web Services and the Canvas course shell.

Course Schedule:

Below is a proposed schedule and is subject to change. See the Canvas Modules for weekly assignments and submissions requirements.

Date	Topics
	Please Get All Software Issues Resolved On Whatever Computer You Plan To Use
Week 1	Complete Units 1 and 2
26-Aug	Post Homework Solutions For Units 1 and 2 By Sunday, September 2 at midnight
Week 2	Complete Units 3 and 4
2-Sep	Post Homework Solutions For Units 3 and 4 By Sunday, September 9 at midnight
Week 3	Complete Units 5 and 6
9-Sep	Post Homework Solutions For Units 5 and 6 By Sunday, September 16 at midnight
Week 4	Complete Unit 7
16-Sep	Post Homework Solutions For Unit 7 By Sunday, September 23 at midnight
Week 5	Complete Unit 8
23-Sep	Post Homework Solutions For Unit 8 By Sunday, September 30 at midnight
Week 6	Complete Unit 9
30-Sep	Post Homework Solutions For Unit 9 By Sunday, October 7 at midnight
Week 7	Complete Unit 10
7-Oct	Post Homework Solutions For Unit 10 By Sunday, October 14 at midnight
Week 8	FINAL EXAM AVAILABLE ONLINE Monday, October 15
14-Oct	Final Exam Must Be Completed By Sunday, Oct 20 at midnight
	Post Class Project By Sunday, Oct 20 at midnight

Evaluation and Grading:

Unit Assignments: During the semester, 10 assignments will need to be completed, by the scheduled date.

You will be dropped from the class if you fail to turn in two assignments.

Homework is to be submitted by the due date (Friday midnight). **Late homework will not receive full credit**, accepted until Sunday midnight for 10% penalty. Homework cannot be submitted as comments to assignments or as email attachments. Do **not** try to subvert the system. If there are extenuating circumstances, send me a canvas message with the name of the assignment you wish to make a past due submission, and I will consider your request.

Final Exam: A comprehensive final exam is at the end of the semester. It will cover most topics covered during the course.

Class Project: During the semester, you will complete a class project. The project will consist of analyzing the design and development of a system which could utilize the cloud services discussed in class. You may either choose a system of your own or I will provide one that you can use that you will be familiar with if you cannot think of one from your own experience. **You will be dropped from the class if you fail to complete the class project.**

Category	Point Value	Total	Percent
Unit Assignments (10 total)	20	200	35%
Final Exam	160	160	40%
Class Project	100	100	25%

Important and Useful Information

Student Services

To find a comprehensive list of services visit <http://www.lamission.edu/students/>.

Student e-mail ID

Visit the mycollege.laccd.edu to login to your **student.laccd.edu** account. Important announcements from the LACCD, LAMC, and your Instructor will be sent to this e-mail. It is your responsibility to check this email, by logging on to it regularly. If necessary, ensure that the e-mails from here are being forward.

Disabled Student Programs and Services (DSP&S)

If you are a student with a disability and require classroom accommodations, please see me to discuss arrangements. The sooner I am aware that you are eligible for accommodations, the quicker I will be able to provide them. If you have not done so already, you may also wish to contact the DSP&S Office in Instruction Building 1018 (phone #818.364. 7732/TTD 818.364.7861) and bring a letter stating the accommodations that are needed.

Students requesting academic accommodations should use the following procedure:

1. **Step 1:** Obtain documentation of your disability from a licensed professional. You may contact DSPS to request a Disability Verification Form.
2. **Step 2:** Make an appointment to meet with a DSPS Specialist to review your documentation and discuss reasonable accommodations.

To schedule a meeting, please call DSPS at (818)364-7732.

3. **Step 3:** Bring your disability documentation to your DSPS appointment. The DSPS office is located in room 1018 of the Instructional Building.
4. **Step 4:** Each semester, reach written accommodation agreement with the DSPS Specialist and your instructor.
5. To be most effective, students should complete this process by the end of the 3rd week of the semester. Tests with required accommodations must be taken at the DSPS office

Emergency Procedure (does not apply to 100% online classes):

*If a campus emergency that poses risk to students occurs, please be prepared to immediately follow the instructions of your Instructor.

*Do not exit the classroom until instructed to do so.

*If building evacuation is required, you will be asked to leave all of your non-essential personal belongings in the classroom.

*Quickly, yet orderly and safely, exit the classroom and the building, preferably through main entrance.

*Proceed to the **Quad**.

*As the last person to exit, I will lock the classroom door behind me and meet you at the **Quad** in order to account for your presence and safety.

Recording devices in classroom

Section 78907 of the California Education Code prohibits the use of any electronic audio or video recording devices, without prior consent of the instructor (including cell phones, laptops, MP3 players, and more)

Important Dates to Remember

Accurate/current information are found at <http://www.lamission.edu/students/calendar.aspx>

Instructor Information

Contact Information

NAME: Milan Samplewala

EMAIL: samplem@lamission.edu

PHONE: (818) 833-3385

OFFICE: INST 18

Office Hours

My website: <http://lamission.edu/~samplem> lists my office hours. For office hours by appointment, contact me by email or phone.

Turnaround/Feedback

I respond to emails and private messages within 24 hours, during the hours of 12:00 am to 9:00 pm, Monday through Thursday.

Canvas E-mail vs. Discussion

Please use Canvas **Inbox** to send me an email. Use Canvas Inbox even for 'private' questions like inquiries about your grade. This will keep all our course related correspondence together.

For all other queries, first check the Canvas **Discussions** to see if the answer to your question already exists. If not, put up your question in discussion. Allow other students to respond and see if they can provide the answers, you are looking for. I shall be closely monitoring the questions and responses for accuracy.

Note

Do not use comments in assignments to correspond with me. Send me an email using **Inbox**.

Do not comment on announcements to get my attention. Send me an email using **Inbox**.

Other

Online classes are very different from traditional face-to-face classes. To help you be successful in your online course, LAMC has made some resources available to you. These resources can be found at [Mission Online](#) and include guides to help you log on to your course. Here is also a direct link to [LAMC E-Counseling](#) and [Online Education Initiative Tutorials](#). Through these links; you will find many interactive tutorials and tools. I hope you will find these to be useful throughout the semester.

Course Policies

Grade Conversion

The final grades calculated from the percentages earned in the course, as follows:

Grade	Percentages	Credit
A	90-100	4.0
B	80-89	3.0
C	70-79	2.0
D	60-69	1.0
F	0-59	0.0

Attendance

If the student is inactive for more than a week (if 8 week session) or two weeks (if 16 week session), the instructor may exclude the student from the class. *Inactive means not attending the class if it is a hybrid or traditional course. For online class, it means you have not submitted assignments due that week.* For materials covered in the class, refer to the schedule on Canvas. Lectures notes may be available in Canvas, check their first. Otherwise, it is a student's responsibility to get missing class notes from other classmates.

Incomplete Policy

A student who has successfully completed more than 80% of the entire semester course work at end of semester and has communicated with the instructor with a justifiable explanation may be considered for an incomplete grade.

Reminder

If you stop attending a class (or wish to drop a class), ***please*** drop the class ***yourself*** – on or before **October 6, 2019**. Drop classes with a "W", before **October 6**. Failure to drop the class in a timely manner will result in letter grade of (A, B, C, D or F).

Academic Integrity

Plagiarism

All students must comply with the policies that regulate all forms of academic dishonesty, or academic misconduct, including plagiarism, self-plagiarism, fabrication, deception, cheating, and sabotage.

Student Conduct

Please make yourself familiar with <http://www.lamission.edu/aso/docs/STANDARDS OF STUDENT CONDUCT.pdf> document.