CLD120 Section 15779 Fall 2024 Syllabus

Welcome to the Class

I'm happy to have you in my class. This course will help prepare you for the [AWS Certified Solutions Architect - Associate](#) exam. This course will build on what you learned in CLD110 and let you apply that knowledge using a real world business model. After successfully completing this course you will receive a digital badge from AWS recognizing your accomplishment.

Course Information

Course: CLD120

Section: 15779

Term: Fall 2024

Credits: 3

Course Requisite(s): Prerequisites: none

Location: Live Online

Days: Wednesday

Time: 5:45 p.m. to 8:15 p.m.

Start Date: 10/14/2024

End Date: 12/13/2024

Instruction Mode: Live Online

Important Dates

- Deadline for withdraw with refund: 10/21/2024

- Withdraw without refund and a grade of W: 11/07/2024

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Instructional Contact Hours

Minimum Hours Spent Out-of-Class to Complete Coursework

Plan to spend at least 2.5 hours on homework weekly. Accelerated courses will require additional time per week.

Third-Party Learning Tools

AWS Canvas LMS

All the class material such as videos, quizzes, and labs will be on the AWS LMS (Learning Management System). The AWS Canvas is separate from MCC's Canvas and the grades are not automatically transferred. Your grades in MCC's Canvas will not be updated until I manually export them from AWS and import them into MCC's grade book. This will happen once or twice a week depending on how often the class meets. Don't Panic! The most current grade for a quiz or lab is always visible in the AWS Canvas LMS.

At the end of this course you will still have access to the AWS LMS so you can study for the AWS certification exam. You will only have access to the study material. Access to the Knowledge Checks and labs ends on the last date for the course.

Zoom Video Conferencing

I use Zoom to hold Live Online classes and many class sessions are recorded so you can review them later. You can access each Zoom class session from a link in Canvas. If you are new to video conferencing you can [join a test meeting](#) and test your audio and video.

Emerging Talent Network & Exam Vouchers

The AWS Emerging Talent Community is a place where students 18 years and older can connect with others from around the globe who are committed to learning AWS Cloud skills. In the community, students can connect and network, continue their AWS Cloud learning and development, and earn points to gain access to rewards.

Access to the AWS Emerging Talent Community is invitation only. Eligible students who complete a badge-eligible course in an AWS Education program will receive an invite. Invitations are sent to the email address associated with the eligible digital badge.
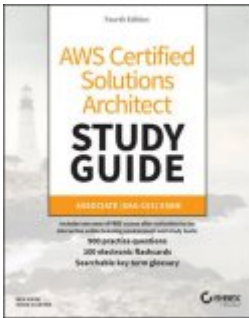
Students can now secure discounted vouchers through the AWS Emerging Talent Community which they can use towards their certification.

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Required Texts, Materials and Technologies

This course is taught using the official Amazon Web Services curriculum and is available online and is provided by AWS free of charge.

Recommended Textbook

[AWS Certified Solutions Architect Study Guide with 900 Practice Test Questions](#)

About Your Instructor

As a nationally recognized [Red Hat Academy](#) I have been teaching the Linux operating system since 2008. Two of my courses have received Mesa Community College's Gold Star certification for instructional excellence. The Red Hat Enterprise Linux courses I teach use the official Red Hat Academy curriculum which will help prepare you to pass the Red Hat RHCSA and RHCE exams. The Amazon Web Services courses I teach use the official AWS curriculum and align with industry recognized AWS certifications. In addition to teaching the Red Hat and AWS courses I am a Quality Matters Peer Reviewer and a certified Amazon Web Services instructor.

How to Contact Me

If you are a student in one of my classes you should use the Inbox in Canvas. See my faculty contact page for more contact information and my office hours.

Course Schedule

Week 1 (14 October)

- Module 0: Welcome and Course Overview
- Module 1: Welcome to AWS Academy Cloud Architecting

Week 2 (21 October)

- Module 2: Introducing Cloud Architecting

- Module 3: Securing Access

Week 3 (28 October)

- Module 4: Adding a Storage Layer with Amazon S3

- Module 5: Adding a Compute Layer Using Amazon EC2

Week 4 (4 November)

- Module 6: Adding a Database Layer

- Module 7: Creating a Networking Environment

Week 5 (11 November)

- Module 8: Connecting Networks

- Module 9: Securing User, Application, and Data Access

Week 6 (18 November)

- Module 10: Implementing Monitoring, Elasticity, and High Availability

- Module 11: Automating Your Architecture

Week 7 (25 November)

- Module 12: Caching Content

- Module 13: Building Decoupled Architectures

Week 8 (2 December)

- Module 14: Building Serverless Architectures and Microservices

- Module 15: Data Engineering Patterns

- Module 16: Planning for Disaster

- Module 17: Bridging to Certification

Week 9 (9 December)

- Certification Resources

- Course Assessment

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MCCCD Official Course Competencies

You can find the official course competencies on the [MCCCD Curriculum site](#).

Grading Standards and Practices

Active participation and engagement is important in the learning process. The knowledge and skills to be gained in this course are dependent on attending and/or participating in class.

Letter Grades

Your final letter grade will be determined by the point value of work completed.

Letter Graded	Percent
A	90–100%
B	80–89%
C	70–79%
D	60–69%
F	0–59%

Late Assignments

In this class we cover a lot of material in the short eight weeks we have together. It's important that you set aside time each week to read the textbook and work on the labs. Studies show that short study sessions spread out over several days are more effective and less stressful than cramming at the last minute. Follow the tips in the The [Study Cycle video](#) on how to improve your study habits.

All lab assignments have a due date along with instructions for what to submit. You should turn assignments in by the due date. Allow yourself plenty of time to complete assignments and make it a habit to submit them by the due date!

⚠️ *If you fail to turn in two consecutive lab assignments you are in danger of being dropped from the class.*

Excused Absences

MCC's policies excuse absences due to college sanctioned events, death of an immediate family member, jury duty, subpoenas, short-term military service, or religious holidays. Signed absence verification forms or accommodation forms are required prior to absence.

Withdrawal Policy

There are two kinds of withdrawal, student initiated withdrawal and instructor initiated withdrawal. Find the specific withdrawal information in the District Administrative Regulation 2.3.6 and Appendix S-7.

Academic Support

MCC CARES

Mesa Community College is committed to providing a personal education for each of our students. When faculty or staff members are concerned about the physical, emotional, academic or personal health of a college student, the support staff can assess the situation, and may contact students to offer support and provide referrals to access the breadth of resources on-campus.

Academic Integrity and Conduct

Learning requires honesty, responsibility, and professional behavior. It is college policy to respond to academic misconduct and dishonesty whether it was committed intentionally or not.

- Academic Misconduct Policy

- Code of Conduct

Your Responsibilities as a Student

It is the student's responsibility to understand the policies listed in this syllabus as these are the guidelines that the instructor will follow for grading, attendance, etc. It is also every student's responsibility to read and understand the college policies included in the student handbook as they may apply in the case of an incomplete grade or withdrawal. In addition to this syllabus, all students should be aware of the district Administrative Regulations that articulate student rights and responsibilities.

Classroom Accommodations for Students with Disabilities

Please request your accommodations through the MCC Disabilities Resources and Services Office at:

- Southern & Dobson 480-461-7447

- Red Mountain 480-654-7771

- drsfrontdesk@mesacc.edu

Addressing Incidents of Title IX Sexual Harassment

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Sex Discrimination and Sex-Based Harassment. MCCCD *requires* all employees, including faculty, to notify the Title IX Coordinator of any reports/complaints they receive regarding sex discrimination, sex-based harassment, and retaliation that occur on property and activities controlled by MCCCD. Examples of sex discrimination: sexual orientation, gender identity and pregnancy and parenting discrimination. Examples of sex-based harassment: quid pro quo, hostile environment, sexual assault, dating violence, domestic violence, stalking, sexual misconduct. **Please know that your instructor is required to share any reports made to them.** If you would like to report your complaint to someone without it being reported to the Title IX Coordinator, you may contact the MCCCD Ombuds at https://district.maricopa.edu/ombuds-services. Additional information on Sex Discrimination and Sex-Based Harassment, is located at: https://district.maricopa.edu/consumer-information/title-ix

Pregnancy & Parenting: MCCCD also requires all MCCCD employees, including faculty, who become aware of a student's pregnancy or related condition to provide the student with the Title IX Coordinator's (TIXC) contact information and communicate that the TIXC can help take specific actions to prevent discrimination and ensure equal access to MCCCD's education program and activity. Additional information on Pregnancy and Parenting rights and protections is located here: https://district.maricopa.edu/consumer-information/title-ix/working-pregnant-and-parenting-students.

To report sex discrimination, sex-based discrimination or request adjustments for pregnancy or related conditions: https://district.maricopa.edu/consumer-information/title-ix

Tuition Charges and Refund

Students who officially withdraw from credit classes during fall, spring, or summer semesters within the withdrawal deadlines listed below will receive a 100% refund for tuition, class and registration processing fees. See the withdrawal dates for this class under Important Dates above.

⚠️ *Never attending is not an allowable refund exemption or an excuse of the debt incurred through registration.*

Subject to Change

Syllabus policies and course schedule are subject to change to accommodate the needs of the course, by agreement between instructor and all students, or as needed by administration. Students will be notified of any changes in schedule, requirements

or policies. Students are responsible for knowing and complying with syllabus information and all college catalog and student handbook policies. Continued enrollment is acceptance of this responsibility.