

CMAC 3990.200 Class Presentation Information – Fall 2025

In a group of 1-2 students, you must choose a topic to present to the class, and it cannot be the same topic as any other group. In order to make the topic assignment choices equitable, the processor will randomly choose an order in which students will choose their topic. Some example topics are listed below.

Your presentation must include at least the following:

- A 5-10 minute PowerPoint presentation of key terms, history, technologies, and current issues.
 - History of the technology.
 - Who are some the vendors in the space? What are they selling that differentiates them?
 - What are the pro's and con's for the vendors?
 - What are the associated costs and requirements with a mid-sized business solution supporting around 300 employees?
 - Hardware, software, existing infrastructure, administration, training, etc.
 - Is there a Free and Open Source or other alternative?
 - Maturity, ease of use, additional overhead.
 - A basic technical configuration example.
- A 3-5 page written document with a detailed explanation of the items listed above, along with additional pages for a cover and source citations (5-7+ pages total including cover and sources).
 - Be sure to discuss how you approached keeping track of your work and research.
 - Time for a brief Question & Answer session after your presentation. (1-2 minutes)

You must then go on to use your Linux VM and/or AWS account to do a deeper dive on the specific topic.

- Use your resources to create the items necessary to provide a basic environment.
 - Optionally provide a live demo.
 - I installed and configured this, it does that, and here is a picture. This gives me the ability to do X.
 - If you click here, you can see that. When installing, make sure to do the needful.
 - Any other interesting items...

OR

- Do a Deeper dive on part of the topic. Include information about the vendor, market space, and more info...
 - Include a cost analysis
 - What will be the new maintenance costs?
 - Training or continual education? Specific conferences?
 - Any other interesting information

Example Topics:

- | | | |
|--------------------|--------------|-----------------------|
| - DNS/DHCP | - Containers | - Penetration Testing |
| - SAN | - NAS | - NTP/PTP |
| - Virtual Machines | - SELinux | - IPv4/IPv6 |
| - Hyper-Converged | - DFS | - Disaster Recovery |
| - Clustering | - ACL's | - Cloud |

This presentation and document is worth 300 points.

Grading will be roughly half towards the presentation itself and half toward the documentation

Presentations will be held during week 15.