

Video Project 1

Purpose

This is an individual video aimed at your classmates who will do peer review. Research has shown that the effort you expend in reflecting on and clearly explaining your work solidifies your learning. The hope is that through the video and peer reviews of your classmates' projects you will strengthen your knowledge of linear algebra, demonstrate your understanding and make connections.

Learning Goals and Rubric

As you complete all of the components of your selected prompts using your own words and ideas, be sure to:

1. **interpret linear algebra:** demonstrate your understanding of mathematical examples and concepts from both modules 1 and 2 using the language from our course and make connections among multiple representations, including algebraic and geometric
2. **reflect on your own learning of linear algebra:** illustrate your learning with examples and the value you have derived from it
3. **write and speak:** communicate the ideas of our course in oral and written form
4. **reflect on classmates presentations:** in-depth peer review of 2 classmates' presentations

Rubric item	1 point	2 points	3 points
beauty or persistence prompt	attempted, but at least one item is missing	at least one item is incomplete or could use elaboration	addresses all components of the prompt you selected thoroughly
interpret linear algebra from both modules 1 and 2	limited presence of linear algebra concepts or examples or only one module	presents multiple concepts and multiple examples from both modules 1 and 2	interprets multiple concepts and multiple examples accurately with in depth oral explanations in the language of our class from both modules 1 and 2
connections among multiple representations	lists multiple representations using the language of our class	explains multiple representations using the language of our class, including algebraic and geometric	connects multiple representations accurately with in depth oral explanations in the language of our class, including algebraic and geometric
reflection on your learning from module 1 and 2	minimal reflection or personalization of your learning	reflection on and personalization of your learning	in depth and creative reflection on and personalization of your learning and the value you have derived from this learning process
linear algebra viewpoints and interpretations	limited presence of linear algebra or unsupported or flawed arguments	viewpoints and interpretations are vague, have minor flaws, or use imprecise or unconnected language	linear algebra viewpoints and interpretations are correct with in depth oral explanations in the language of our class
peer review	peer review is incomplete or contains minimal reflection		in-depth peer review of 2 classmates' presentations containing responses to the 6 peer-review questions
writing and speaking	somewhat unclear, disorganized, missing writing or speaking, or not professional		writing and speaking is clear, well organized and reasonably professional (it is ok to have some imperfect flow in your speech)
own words/self creation	fails to cite all images or sources but otherwise products are in your own words		products that you create yourself in your own words. If applicable, any outside images or sources are cited

Your Video and Peer Reviews

For this assignment you will:

- Select one prompt (see below)
- Create a video response to the prompt that you have selected, which also satisfies the rubric above.
 - Your response should use your own words and ideas to thoroughly answer all of the questions in the prompt and satisfy the items in the rubric in a way that I can clearly see that you have reflected upon your experiences in and applied your knowledge from this course.
 - As you prepare to record your response, create either a set of slides to use within the presentation OR written notes to prepare for the presentation so that you make sure to satisfy all the requirements.
 - Your response must include your voice narration and some kind of video—video of slides and/or of you or an avatar presenting. You should take as long or short as you need to meet the prompt and rubric item although staying on point is important and part of a professional presentation. If you find that your video is longer than 20 minutes, please consider whether you can trim it.
 - If you do some additional research or consult with others in order to complete your responses then don't forget to cite your sources (including any images, print resources, web resources, and personal communications).
- Submit your video response to your selected prompt in the forum.
- After that, your classmates' postings will open to you so that you can work on 2 peer reviews (see below for the peer review questions). You submit a PDF of your peer review in the (separate) in the hand in assignment (not the forum) link on ASULearn, which goes just to me.

The prompts

Address **one** of the prompts listed below. Make sure to complete all five of the tasks listed under this prompt.

- **Beauty**

1. List your preferred first name as you begin your video.
2. Name one or more mathematical idea(s), topic(s), and/or problem(s) from the course that you have found beautiful. Make sure these connect to mathematics we've explored in modules 1 and 2.
3. Explain related linear algebra from our class in a way that could be understood by a classmate who needs a refresher as you include
 - (a) multiple concepts from both modules 1 and 2
 - (b) multiple examples of these concepts
 - (c) in depth oral explanations using the language of our class
 - (d) connections among multiple representations in the language of our class, including algebraic and geometric
4. Reflect on your own learning of these by explaining
 - (a) why the idea(s), topic(s), and/or problem(s) is beautiful to you
 - (b) how this beauty is similar to or different from other kinds of beauty that human beings encounter
 - (c) the value you have derived from learning about the idea(s), topic(s), and/or problem(s)
5. (Look back) Look back at the rubric and make sure you have covered all the items or, if you haven't already, then add content to satisfy the rubric.

—OR—

- **Persistence**

1. List your preferred first name as you begin your video.
2. Name one or more mathematical idea(s), topic(s), and/or problem(s) from the course that you have struggled to understand. Make sure these connect to mathematics we've explored in modules 1 and 2.

3. Explain related linear algebra from our class in a way that could be understood by a classmate who needs a refresher as you include
 - (a) multiple concepts from both modules 1 and 2
 - (b) multiple examples of these concepts
 - (c) in depth oral explanations using the language of our class
 - (d) connections among multiple representations in the language of our class, including algebraic and geometric
4. Reflect on your own learning of these by explaining
 - (a) your original struggle with the idea(s), topic(s), and/or problem(s)
 - (b) how you overcame this struggle
 - (c) how this struggle was valuable to you
5. (Look back) Look back at the rubric and make sure you have covered all the items or, if you haven't already, then add content to satisfy the rubric.

Peer Reviews

To make connections you will conduct **two** peer reviews, which go just to me as a PDF in a hand in assignment. Each peer review responds to these 6 questions:

1. Name of the person
2. List the topics from class that relate
3. List one or more strengths of the project
4. Give one or more suggestions for the project
5. How much time and effort does it look like they put into their work, as compared to your own effort?
[2 = more than me, 1 = about the same as me, 0 = less than me]
6. What is your favorite part of their project?

Resources

You have many options to record your video response.

1. You can use your Screencast-o-matic pro account <http://screencast-o-matic.com/appstate>. The video found at <https://youtu.be/K3wq1KdNwv0> gives a quick introduction to using Screencast-o-matic to record and share your work. This video reviews the free version while highlighting many great features available with a *deluxe upgrade*. You already have the *deluxe upgrade* when you sign in with your appstate credentials at <http://screencast-o-matic.com/appstate>. This means you have access to all of the features that are advertised in the video!
2. You can use Kaltura within ASULearn. See <https://confluence.appstate.edu/display/public/ATKB/Kaltura+in+AsULearn>. In fact, Zoom cloud recordings are automatically copied to your private Kaltura My Media directory, so you can also use your Zoom pro account <https://appstate.zoom.us/>.
3. You could create a recording with your phone or some other recording software (Quicktime, for example, if you have a Mac) and then use YouTube or Google Drive to host and share your work. Review <https://youtu.be/9dLI002DeTo> to see a quick introduction to sharing your work on YouTube. You can read detailed instructions about how to share your video file on Google Drive at <https://www.businessinsider.com/how-to-share-a-video-on-google-drive>. I think using the share link option (step 6) with permissions set to “anyone at appstate” is the easiest way to share.