

# 1005 Final Project

In the final project you will look back at what you have done and make new connections in a video project that includes slides as well as your voice and face or an avatar representing you. You'll also conduct peer review of each other's projects as a part of the project as well as self-evaluation. The final project video is ideally turned in February 25th (final deadline 2/27 10a.m.) and the peer review and self-evaluation is ideally turned in February 27th (final deadline March 3rd 10a.m.). The final project earns a numerical grade as 20% of the course grade.

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## 1 Purpose

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 the course material, demonstrate your understanding and make connections. This final project connects to our course goals and the general education goals at ASU as you

1. **review, extend and reflect on course content**
2. **write and speak to communicate quantitative information**
3. **reflect on classmates presentations and your own**

## 2 Tasks and Rubric

### 2.1 five components of your video

There are 5 components for your video and you'll need at least 1 slide for each of them. You should take as long or short as you need to detail the five project components and meet the rubric items below although staying on point is important and part of a professional presentation. If you find that your video is longer than 15 minutes, please consider whether you can trim it.

#### 2.1.1 follow up on the car loan handwrite

Include the following info on your slide(s) and presentation:

1. List your preferred first name as you begin your video.
2. Showcase the car you selected for your car loan handwrite, its price, and your real-life rate and where you obtained that rate.
3. Include in writing and in your oral explanations your by-hand formula for your monthly loan payment. Use professional formatting—you can take screenshots to insert them or type them yourself— such as superscripts  $x^2$  and fractions  $\frac{1}{2}$ . Explain to someone who has seen our course content before but needs a refresher. Your personalized feedback on your handwrite is available in the assignment where you turned it in so be sure to look at that and see if you need any corrections.
4. Show work for and explain your total interest over the 6 years after taking rounding into consideration, like in the handwrite. Aim this at a peer who needs a refresher.
5. Address why this tiny savings or loss after rounding, if any, makes sense in this context, like in the handwrite. If there is no savings or loss, explain why.

#### 2.1.2 future finances after graduation—salary and budget

Include the following info on your slide(s) and presentation:

1. List the job you hope to get when you graduate (or one similar).
2. List its average starting salary. If you can't find a starting salary, find some salary that relates. List the source here or on your references slide.
3. List your monthly salary.
4. Create a monthly budget to present that includes the car loan as part of it. Break down your monthly financial obligations. ASU's financial aid office has a short video on developing a budget and also has an example of a budget:  
<https://financialaid.appstate.edu/videos/developing-budget>  
An alternative link for that video is:  
<https://drive.google.com/file/d/1E5FikfTpDehaWLz30900R6wT0BM0Wh68/view?usp=sharing>
5. Compute the debt-to-income ratio. Show work. Use professional formatting—you can take screenshots to insert them or type them yourself. Explain them to someone who has seen our course content before but needs a refresher.

6. Is the debt-to-income ratio below or above the recommended 35%?
7. Recall that the idea of the 50-30-20 recommendations is to spend 50% of each paycheck on items we need as well as financial obligations like minimum payments on loans, 20% on savings, and 30% on anything else we want. How much of your monthly salary should go toward savings?
8. Does the 80% that remains leave enough to pay for your monthly financial obligations and wants?

### **2.1.3 reflection—creativity or persistence in our class**

Select one from creativity or persistence and respond to all the items for it on your slide(s) and presentation:

- **Creativity**

1. Name one or more mathematical idea(s), topic(s), and/or problem(s) from the course that you found creative. You can choose an instance of creativity you experienced or something you witnessed in our class. Be sure that you name it in a way that we can understand what you are referring to.
2. Reflect on the creativity by explaining
  - (a) what you found creative about it
  - (b) how the creativity you experienced or witnessed in our class is similar to or different from other kinds of creativity that human beings encounter

—OR—

- **Persistence**

1. Name one or more mathematical idea(s), topic(s), and/or problem(s) from the course that you have struggled to understand. Be sure that you name it in a way that we can understand what you are referring to.
2. Reflect on your own learning by explaining
  - (a) your original struggle with the idea(s), topic(s), and/or problem(s)
  - (b) how you overcame this struggle and how this struggle was valuable to you

### **2.1.4 reflection—favorite part of class: what it was and why it was your favorite**

You'll reflect on your favorite part of class on your slide(s) and presentation. It could be an example, topic, concept, visualization or theme we covered, which might be your favorite for its connections beyond this class to your personal or professional lives (like to another class or your major), for an "aha moment" you had or for other reasons. You'll explain what it was and why it was your favorite.

### **2.1.5 references—print & online sources including any pics**

Include one or more slides with references for print and online sources. Be sure to include author names too. Plus you'll cite any pictures. For example, you might include a picture of your car and if you do, that will need a citation, either on the reference slide or underneath the image like you've seen me do. Any consistent style that is professional is fine.

## **2.2 initial forum post**

Post a message in the final project forum (turn in final project video by posting your video project link and preferred first name-strict deadline Forum) containing your preferred first name and a link to your video that we can access.

## **2.3 two peer reviews**

Conduct two peer reviews of classmates' videos, which has 2 components detailed below as (1) posts in the forum and (2) a separate PDF:

### **2.3.1 replies in the forum**

For your posts in the forum

- First select at least 2 students to reply to back in the forum where you turned in your video. Try to select peers who don't already have responses or who have 1 response. Keep scrolling down as needed to do so.
- Begin your replies with a salutation that includes their preferred first name.
- Share something positive about their video as you use standards of professionalism and collegial communication, including our welcoming environment. For example, that could include connections you found that you had in common, a follow-up to something in their presentation and/or strengths of their presentation. Include relevant details such as preferred first name and examples which support your viewpoints.

### **2.3.2 peer review PDF to me in separate assignment**

Conduct 2 peer reviews to turn in to me as a single PDF in the separate assignment for that and using these questions:

1. Preferred first name of the person
2. List the topics in the reflective components of the project (persistence or creativity + their favorite part of class) that relate to our class
3. List one or more strengths of the project
4. Give one or more suggestions for the project or write that you have no suggestions
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?

## 2.4 self-evaluation PDF to me in separate assignment

Critique your own work by completing the **self-evaluation**. Use these questions to guide your self-evaluation

1. Your preferred first name
2. What would you have improved about your project with more time and/or resources?
3. What did you feel went well?
4. What did you learn about yourself through this project?

Submit your PDF responses of the peer review and self-evaluation (to me) as a single PDF in the hand in assignment (not the forum) link on ASULearn, which goes just to me.


## 2.5 rubric I'll use to grade

follow up on the car loan hand-write	material presented orally and in writing thoroughly addresses all components of the prompts of car loan follow up
future finances after graduation—salary and budget	material presented orally and in writing thoroughly addresses all components of the prompts of future finances
reflection—persistence or creativity in our class	material presented orally and in writing thoroughly addresses all components of the prompts of persistence or creativity
reflection—favorite part of our class	material presented orally and in writing thoroughly addresses what your favorite part of our class was and why it was your favorite
if applicable, professional scholarly reference list with author names	if applicable, cites credible, relevant sources and/or evidence that are situated within the context and purpose of the presentation and are listed professionally and cited appropriately, including authors
slides	at least 1 slide for each of the five components above
if applicable, cites image references	any images are referenced by their original source
viewpoints and interpretations	viewpoints and interpretations are correctly explained in the language of our class
mathematical connections aimed at student who needs a refresher	rich mathematical connections are correctly presented in the language of our class both orally and in writing aimed at a classmate who has seen our course content before but needs a refresher
overall writing and speaking	contains writing and speaking that is clear, well organized, and professionally presented such as superscripts $x^2$ and fractions $\frac{1}{2}$ (it is ok to have some imperfect flow in your speech)
communicate quantitative information	communication is effective and uses a variety of representations, including numerical, algebraic, and tables
own words/self-creation	products that you create yourself in your own words
forum post	post a message in the final project forum containing your preferred first name and a link to your video that we can access
2 replies in the forum	share something positive about classmates' videos as you use standards of professionalism and collegial communication, including their preferred first name

2 peer reviews in PDF	in-depth peer review of 2 classmates' presentations that addresses all the peer-review questions
self-evaluation in PDF	in-depth self-reflection that addresses all the self-evaluation questions

### 3 Recording Resources

You have many options to record your video response.

1. The library offers help via <https://library.appstate.edu/services-search/digital-media-studio>. The university has Zoom as well as Kaltura pro accounts. Access your Zoom pro account at <https://appstate.zoom.us/>. Zoom cloud recordings are automatically copied to your private Kaltura My Media directory, so you can use your Zoom pro account and embed it using the Kaltura button . For Kaltura, see <https://confluence.appstate.edu/display/ATKB/Kaltura+in+AsULearn> and install Kaltura from My Media/Kaltura Capture to record you and your screen. This page also shows how to embed a Kaltura video to a forum post using the same Kaltura button
2. You can use your ScreenPal pro account <https://confluence.appstate.edu/pages/viewpage.action?pageId=107841973>.
3. You could create a recording with your phone or some other recording software and then use YouTube or Google Drive to host and share your work. Review <https://www.youtube.com/embed/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.