SUBMISSION #1:

URL's of uploaded student project videos:

Sam Maras: https://www.youtube.com/watch?v=p4sfL_vKWPc&feature=youtu.be
Nate Byro: https://www.youtube.com/watch?v=ZK8eAlir09k&feature=youtu.be
Kiara Petty: https://www.youtube.com/watch?v=falOJQG-8Pw&feature=youtu.be
Zhan Bose: https://www.youtube.com/watch?v=fpxb1JiUkzI
Huaxuan Wu: https://www.youtube.com/watch?v=eZ4ILgXuuOA&feature=youtu.be
Zhongzhe Shen: https://www.youtube.com/watch?v=LBMNqZrPdPI

Assignment description:

The objective of this project is to implement a software programming project, that features GRAPHIC, INTERACION, and ANALYSIS elements:

A GRAPHIC: What do you need to see? Define and display the geometry of at least 1 of the following landscape elements: Landform, water, vegetation, weather effects, including lighting, and

B INTERACTION: How do you want the user to interact with the landscape element in A? Allow direct interactivity of a set of geometric operations of elements.

C ANALYSIS: What useful/interesting/novel analysis can be performed on your landscape element?

Be prepared to demonstrate the results of your efforts publicly, in an online demo and juried review.

1. Express in writing your intentions and submit a 1 page description of your project, including description of graphics and interactivity to be implemented.
2. Plan to work on your project during remaining class times, and in consultation with the instructor and classmates.
3. Establish weekly intermediate coding objectives together with your instructor to be sure you can accomplish your intentions
4. Final review will occur during finals week at the time and place scheduled by the University for the final exam for this class. Please check the official schedule.
5. Upload your video recorded Processing project 2 days before. You may still work on it after this date until the review time, but a draft should be submitted in advance for testing.

SUBMISSION #2:

URL's of uploaded student project videos:

Rachel Spencer: https://youtu.be/8pte_rvele4
Nicholas Huss: https://www.youtube.com/watch?v=MLDVmN_XnQI
Joel Weikert: https://www.youtube.com/watch?v=AYpiQDMTFE0
Dwayne Goldmon, Yashoda Godanhi, Xinman Liu: https://youtu.be/qr84DFRooMU

Final Project Assignment, LA559X
Goals: The goals of your Final Project assignment are to:

1) create an accurately modeled and rendered video animation of a significant design project of your choosing

2) demonstrate your mastery of the modeling, analysis and rendering skills covered in the course.

Tasks:

1) **Decide on your project site.** Make sure it includes all of the landscape palette elements we have studied: topography, vegetation, water, and atmosphere/weather.

2) **Collect** accurate existing **data**. Due uploaded to CYBOX: **9PM, Friday, April 7th.**

3) Produce an **existing conditions model** that includes the landscape palette elements. Due uploaded to CYBOX : **9PM, Friday, April 14**

4) Produce **analyses of existing conditions,** e.g. area, cut/fill volumes, lines of sight, slope calculations. Other calculations metrics might be appropriate. **6PM, Tuesday, April 18.**

5) Produce a **proposed model** that includes accurate changes to each of the landscape elements. **9PM, Sunday, April 23.**

6) Produce **analyses of the proposed** model as in task #4, which can be used for comparison with existing. **9PM, Tuesday, April 25.**

7) **Render and visualize** the existing and proposed models in 'scenes' showcasing the relationships between the 2. Include day and night scenes, rainy and winter scenes, taking care to use geographically accurate lighting and weather.

8) **Produce** an appropriately **narrated and/or annotated animation** showcasing the existing and proposed schemes and their relationship to each other.

9) Submit the following by 9PM two nights before the scheduled Final Review for this class:

i. all intermediate products produced for intermediate due dates indicated above.

ii. process work, including models and draft renderings and visualizations

iii. a PDF poster of the analysis calculations conducted

10) Bring to the **Final Review 9:45AM, Tuesday May 2nd** your uploaded **final project animation video** for presentation and critical feedback.

11) **Final Review format**: Each student will have a total of **10 minutes** to do the following:

- **show and narrate** the final project **animation video**, and **analysis results** -- take care to make clear what is **existing vs.proposed**.

- receive and respond to **critical feedback** from reviewers in attendance

Please arrive **early** to the review to **test** your video and make sure it runs smoothly from the teaching workstation.

Let me know if you have any questions, and **good luck**!