What remains?

• Around six additional topics.
• The 3rd individual assignment (based on one of the upcoming topics).
• The 2nd (coding something “artistic”) and the 3rd (“retro” theme) team assignment.
• The DCC capstone proposal and stakeholders.
• A few more portfolio entries.
• The final exam (of course).
Potential Course Topics

- Light Painting and Exposure Stacking (could do evening activity in groups for hands-on and have that replace the Tuesday before Thanksgiving)
- Droste Effect via Photoshop
- Composition Rules (eg: Rule of Thirds)
- Color Shifting, Selective Color
- 360° horizontal panoramas and stitching
- Photography and Society (tintypes, silhouette portraits, ethics, etc.)
- Photography and Ethics
- Exploration of customer-driven photography products
- Exploration of history of how to display/share photos
- Bleeding Edge (IR cameras, refocusable photos, robot painting, machine learning, computer-generated, deep fakes, etc.)

2nd Team Assignment

The spirit of the 2nd team assignment is to work in small teams (2 or 3) to make some sort of “artistic” filter in that Java program, explore the mirroring filter, and maybe the gradient one. You have wide control of what you’d like to do there. My goal is that everyone comes out with an idea of how ideas become algorithms become code.

Ideas include making the top third just the red channel, the middle just the green and the bottom just he blue, or altering your grayscale approach to make something strange (maybe an x-ray sort of image) or playing with the posterization.
3rd Team Assignment

The spirit of the 3rd team assignment will be to use some “modern” technologies to explore something that was done long ago but might be easier to do, or can be done differently now.

3rd Team Assignment: Examples (I)

Some examples to get you thinking about the range of topics:

- Create a series of light paintings taken on campus with topical messages or meanings, using different styles and/or general approaches (look at works such as those by Eric Staller, Gjon Mili, David Lebe, or even Dean Chamberlain).
- The first selfie was created almost 180 years ago. Create a series of campus selfies with a theme and/or message. [http://www.loc.gov/pictures/collection/dag/item/2004664436/](http://www.loc.gov/pictures/collection/dag/item/2004664436/)
- Build a pinhole camera with a way to mount a cellphone that will allow the cellphone to capture pinhole images, and use it to create a series of campus photos.
3rd Team Assignment: Examples (II)

Some examples to get you thinking about the range of topics:

- David Hockney created photo collages with prints. Use a mix of 11x17 grayscale prints with smaller color print sections to make some campus-themed hybrid collages.
- Phases of movement were studied by the likes of Étienne-Jules Marey and Eadweard Muybridge. Create a set of your own that tell some type of story.
- Lenticular photos are created on specially-coated papers, but you could create a sort of lenticular effect by “combining” two images in strips, printing them, then doing an accordion fold. Create a set of “lenticular” experiences this way.

3rd Team Assignment: Examples (III)

Some examples to get you thinking about the range of topics:

- The silhouette portrait and “paper cut” images were a way to create an image without the detailed skills of a good painter. Combine the ability to print a “large” photograph (color 8.5x11” or grayscale 11x17”) with the silhouette approach to create a series of hybrid works of art showing campus life.
- Take the history of photography timeline at the Harvard site [https://emeritus.library.harvard.edu/sites/all/themes/HarvardLibraryPortalTheme/timeline/index.html](https://emeritus.library.harvard.edu/sites/all/themes/HarvardLibraryPortalTheme/timeline/index.html) and create an update for it covering digital photography and general photography in the post-1977 time period.
3\textsuperscript{rd} Team Assignment: Examples (IV)

Some examples to get you thinking about the range of topics:

- Artists would draw a portrait of you for money. Build your own version of this drawing-based printer and print a set of photos. [https://github.com/danmacnish/cartoonify](https://github.com/danmacnish/cartoonify) (too complex for this project, but maybe inspires some idea)

- In the past, 3D images were created and viewed by taking two photos of a scene at the same time using two cameras at slight offsets from each other, and then putting them into a holder that would allow you to view them properly. Create a way to capture such photos and make a 3D model of a holder that you could print and use to view the images. (probably too complex for this project, but maybe inspires some idea)