Assignment overview
As a class we will collaboratively create a selective map of the Davis food system. Each class member must take one photo per week and record information about the photo. Everyone will then upload their photos to the class Flickr site and then map it on the class Google Map. Detailed instructions for each activity are below.

Deadline
For each week from September 29 to December 5 you must take a photo, upload it to the class Flickr page, and tag it (for a total of 10 photos). Weekly deadline for photo uploads: One photo is due by 12 p.m. noon each Friday. Final deadline for map: All of these photos need to be placed with appropriate text on the class Google Map by 12 p.m. noon on Monday, December 8.

NOTE: use the assignment details below as a guide to helping you complete the assignment. If you feel intimidated by the process of placing the photo on the Google Map, we will set aside time in Lab 8 or Lab 9 to help those wanting some hands-on instruction.

Course grade
This assignment is worth 5 percent of your total course grade.

A note on cameras
If you do not have a digital camera and are unable to use a friend's or peer's camera, you can check out a digital camera from the Surge 2 building on campus (on Hutchinson Drive west of the Silo). If checking out a camera there, please enter through the main door (on the west side of the building) and identify yourself as a CRD 20 student who will be using the camera for instructional purposes for a class assignment titled “Davis Food Systems Map.” They will then check out the camera to you.

The six commodity chains for the class food system map
Vegetables
Fruits
Grains/pulses
Dairy/eggs
Meat
Stimulants (sugar, coffee, tea)

Part 1 Assignment Details: from photo to Flickr
STEP 1: Take a photo and write down pertinent information
1. Take a photo of a specific food from one of the commodity chains listed above. The photo should place the food within the context of one or more food system processes (production, processing, distribution, consumption, waste disposal, decomposition).
It can include a food actor, a food location, and indications as to the type of market segment, or it can be just a food close-up.

2. Make sure you document the location and time at which you took this photo. You will need to place a marker on a Google Map later, so be very precise about location, and keep this information for later.

3. Restrictions: the photo must be your original photo taken during the course and be taken within 10 miles of Davis.

**STEP 2: Upload the photo to Flickr**

1. Save this photo to the desktop of a computer workstation.
2. Go to the Flickr page <http://www.flickr.com/signin/>. NOTE: if the computer is logged in as yourself or someone else, click the “Sign in as a different user” link at the bottom. Use the following information to log on to the class Flickr page. Yahoo! ID: “food.systems@yahoo.com”; Password: “crd020” (yes, those are both zero’s).
3. Click on the Upload Photos link. Click on the “Choose photos” link and choose the photo that you have saved onto the desktop.
4. Set the privacy setting to “Private” using the radio button at the bottom.
5. Click the gray and pink upload photos button. You will see the upload in progress.

6. When finished uploading, click on the “add a description” link
7. Add tags and a title. See the list below for tags that you need to add (make sure your spelling is correct). Make the title short but descriptive. Click the “Save” button at the bottom.

   **Tags to include:**
   - **specific food:** tomato, rice, pizza, etc.
   - **commodity chain (one of the six):** vegetable, fruit, grain/pulses, dairy/eggs, meat, stimulant
   - **process in the food system:** production, processing, distribution, consumption, waste disposal, decomposition
   - **actors (if any pictured):** students, faculty, workers, managers, parents, children, etc.
   - **location:** home, restaurant, dining commons, Coffee House, etc.
   - **market segment:** conventional, organic, fair trade, local, imported, etc.
   - **photographer:** include your first and last name with an underscore in between (e.g., Ryan_Galt). The underscore is important to make it one tag.

8. TAs will check the class Flickr page for your uploaded photos each Friday at 12 p.m. noon between September 29 and December 5.

**Part 2 Assignment Details: from Flickr to Google Maps**

**NOTE:** We will set aside time in Lab 8 or Lab 9 to help those wanting some hands-on instruction on going from Flickr to Google Maps.

**STEP 1: Grab the photo URLS in Flickr**

1. In “Your photostream,” click on the photo you uploaded.
2. In the set of tools immediately above your photo, click on the “All Sizes” tool with the magnifying glass.
3. Click on the “Small” photo size (240 x 180 pixels).
4. Select and copy the URL in the box below the heading “2. Grab the photo’s URL:.”
5. Paste this small photo link into an open Word or Text Edit document.
6. Now click on the “Large” photo size (1024 x 768 pixels).
7. Select and copy the URL in the box below the heading “2. Grab the photo's URL.”.
8. Paste this large photo link into your open Word or Text Edit document, below the last URL.
9. Keep the site open for later reference as needed.

**STEP 2: Log on to Google Maps**
1. You will need a Google account. If you do not have an account, please visit here:  
   [https://www.google.com/accounts/NewAccount](https://www.google.com/accounts/NewAccount) and follow the instructions to create one.
2. By the start of week 2 you will receive an email informing you that you have been invited to join. This will contain a link to the class Google Map.
3. Log onto the class Google Map page.

**STEP 3: Create and edit a marker in Google Maps**
1. Find the exact location where you took your photo. To do this, turn the map view to “Satellite” and check the “Show labels” box. Zoom in on the location you took the photo using the zoom tools on the left top side of the map. Find the location at the highest level of zoom.
2. Click on the “Edit” button, which is above and to the left of the [Davis.Food.System.UCD](https://www.google.com/maps) map title.
3. Now you’ll place a marker on the exact location that you took the photo. When you clicked the “Edit” button, new tools appeared in the upper left corner of the map. Choose the blue place marker button. You will then have a blue marker with a black dot inside to place on the map. The “X” below the marker marks the exact spot where the marker will go. Click when you have the “X” lined up to the place where you took the photo.
4. When you place the marker, a large text balloon will appear above it. Now edit the marker.
   a. In the “Title” box, rename it using the same name you assigned it in Flickr.
   b. Click on the “Rich text” option to the right of “Description.” Here you will write a few descriptive sentences using all of the tags you assigned in Flickr. Make sure to sign your first and last name at the end using an “em dash” (e.g., “—Ryan Galt”).
   c. Use the photo button on the far right of the editing tools to add the link to your Flickr photo that you pasted into a Word or TextEdit document. When you paste in the link, make sure you replace the “http://” text that shows up in the text box.
   d. Click on the blue marker in the upper right corner of your marker’s text balloon (the one with a blue box surrounding it). Within the window that pops up, choose the same marker shape, but color code it using the guide below. Make sure you choose the marker without the dot in the middle.

**Color codings for markers of photos from the six commodity chains:**
- Vegetables = green
- Fruits = purple
- Grains/pulses = yellow
- Dairy/eggs = light blue
- Meat = red
- Stimulants = pink
5. Use the link button (in the Rich text editing tools on your marker’s balloon) to link at least one specific word or concept to Wikipedia definitions, course readings, or other sources. To do this, decide on a word or concept in your marker’s balloon. Think of a connection to course reading material, look it up in Wikipedia, or find another reading on it. Copy the URL from the source you want to link. Select the word or words, and click the link button. Paste in the URL, making sure you replace the “http://” text that shows up in the text box.

6. Below your photo, create a text link to the largest version of your photo on Flickr. Write “(See here for the large version of the photo.)” Select that text and click the link button. Paste in the large photo URL from Part 2, Step 1.8.

7. Click the “Done” button where you clicked the “Edit” button before. Click on the marker you added. Make sure there are no grammatical or spelling errors. Edit as need be.

**STEP 4: Organize the map legend**

1. Locate the legend on the bottom left of the browser window.

2. Make sure you are still in edit mode, and drag and drop the marker you just added by clicking and dragging it. Organize the legend by commodity chain in the following order:
   - Vegetables
   - Fruits
   - Grains/pulses
   - Dairy/eggs
   - Meat
   - Stimulants (sugar, coffee, tea)

**STEP 5: Report your work (turn it in via email) by Dec. 8**

1. Once you have completed adding all of your photos and text to the map, send an email to your TA with the following title: “Davis Food System Map Updated.” In this email, list all ten of your photos. You must also tell your TA your Google Account name as it appears on the map so they can check your work. IMPORTANT: if you do not follow these last instructions to the letter, you will not receive credit for doing the work.

2. All of these photos need to be placed with appropriate text on the class Google Map by 12 p.m. noon on Monday, December 8.

**Creative possibilities**

We also have a large number of opportunities to be more creative with this map. For example, we can use the line tools to connect various processes. For processed food, we can either use the color marker for the dominant ingredient, or create new markers for various types of processed and cooked foods with complex mixes of ingredients.

**Discussion during final exam time**

We will set aside time during the final exam period to discuss the patterns that appear and the learning that took place.