

# Reading Training: Week 7

Reading Training: EECS 183 Transfer Training Study

# Today's Agenda



- Weekly Diary: <https://forms.gle/CDtjEX1gET2zWxR6A> (5 min)
- Ice Breakers: (5 minutes)
  - This is a bit harder to do these days, but go ahead and type in the chat box what your favorite food is and what your least favorite food is
- **Workbook Warmup:**
  - Individually do pages 67-80 (**20 min - get as far as you can in this time!**)
  - If you don't have a workbook: workbook link to print (or write answers on a separate paper): <https://drive.google.com/file/d/1HHQjGfJquZt5KfqQZ6n6uYQYOJT2cajz/view?usp=sharing>
  - Send pictures of pages: X, Y, and Z (TBD at end) to ([cserena@umich.edu](mailto:cserena@umich.edu)) [annieli@umich.edu](mailto:annieli@umich.edu)
- **New Vocabulary:** We will be using quizlet for the vocabulary words! The new words are below and the quiz link will be: [https://quizlet.com/\\_88ifwa?x=1qqt&i=2q9m23](https://quizlet.com/_88ifwa?x=1qqt&i=2q9m23) (
  - New words: aggregate, conciliatory, dogmatic, alacrity, harangue
  - Use the **learn** quizlet option to learn the new words (in the left side bar) (**3-5 min**)
- **All Vocabulary: (15 min)**
  - Use the **learn** option on this quiz for all the vocab words so far: [https://quizlet.com/\\_87qapn?x=1qqt&i=2q9m23](https://quizlet.com/_87qapn?x=1qqt&i=2q9m23) (reset learn progress as needed)
  - **Use each word in a sentence - go through them again unless / until you get all of them right!**

# Today's Agenda



The Goal: Differences between technical reading and API documentation reading

- So far we have been looking at scientific papers. Today we are going to shift gears and look at API documentation
- API stands for **A**pplication **P**rogramming **I**nterface.
  - This is a set of functions that one programmer wrote for other programmers to use.
  - These functions need to have **documentation** so that other coders can know how to use them
- While working on EECS 183, you may have run across [cplusplus.com](http://cplusplus.com) or [cppreference.com](http://cppreference.com)
  - These are examples of API documentation for CPP

# Today's Agenda:

- We are going to watch an 17 minute video that gives an introduction to API documentation for Python (another programming language like C++). While this video is python specific, many of the strategies will be useful for understanding all APIs:  
<https://www.youtube.com/watch?v=s1PLS3SQHQ0>

- Now, we are going to use the Python API to figure out what the following function outputs (blue functions can be found on the linked page below):

```
arr = [1, 2, 3, 4, 5, 6]
for i in range(0, len(arr)):
    arr[i] = arr[i] * 2
print(arr)
print(pow(arr[0], arr[1]))
```

Use the built-in function page of the python documentation (<https://docs.python.org/3/library/functions.html>) to figure out what the code does. Write your description, and send it to [cserena@umich.edu](mailto:cserena@umich.edu)