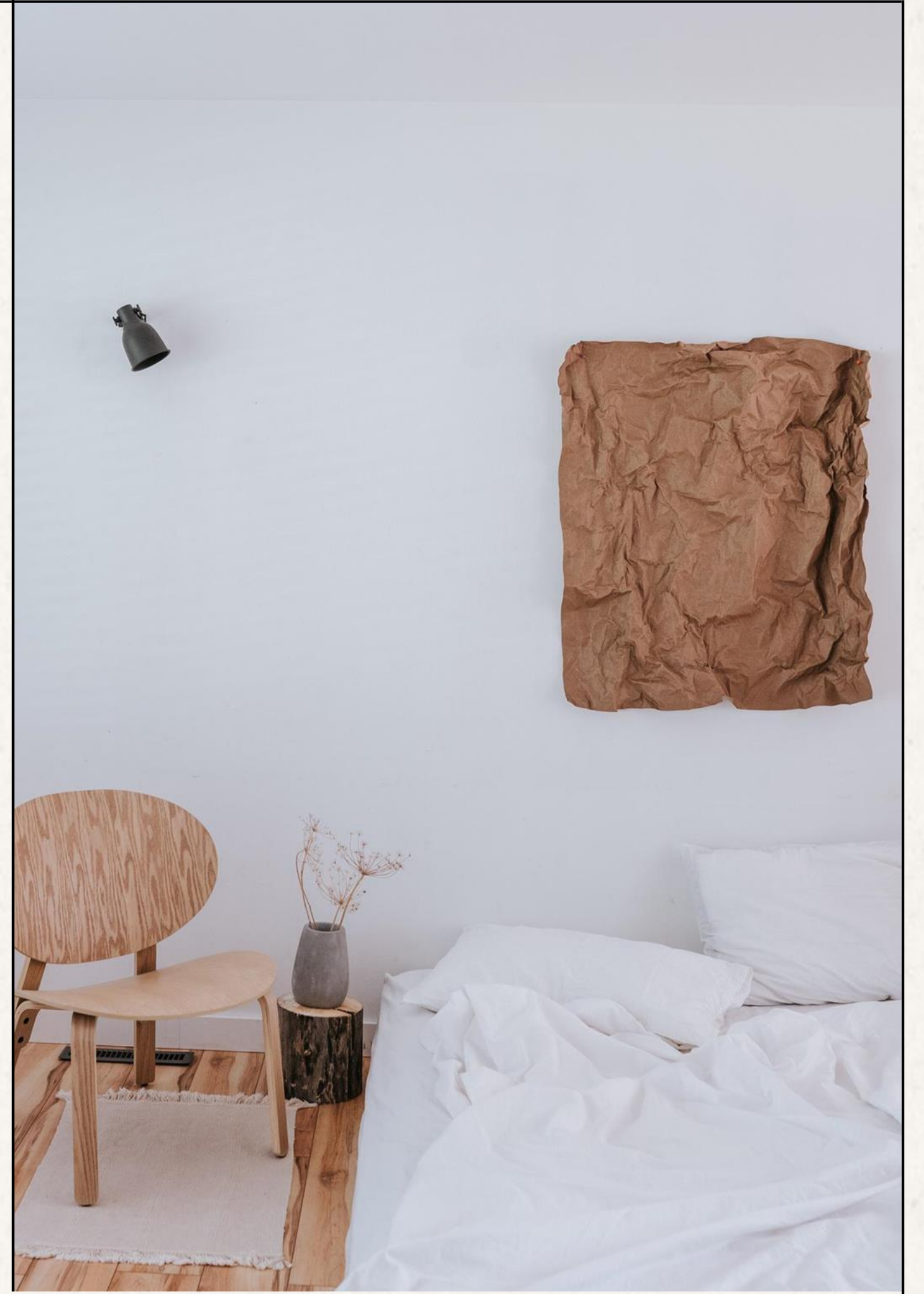


Time Management

Notion + Google Calendar

09/09/2023



Hello World

I'm Emily

2A CS Student

I like baking, crocheting, playing the
guitar and ofc coding 🦴



My Notion Edited 12h ago Share

My Notion

9:00AM
10:00AM
11:00AM
12:00PM

Pages

- CS Course
- MATH Course
- Other CS Course
- Archives

Notion

highly customizable
note taking and
organizational
software

CS 146

- Lecture 1 - Imperative vs Functional, Proofs for Recursion
- Lecture 2 - Side Effects and the Sub Model, Modelling Output
- Lecture 3 - Finish Output, Starting Input
- Lecture 4 - Read in Racket, Intro to C
- Tutorial 1 - January 18
- Lecture 5 - Basics of C
- Lecture 6 getchar and EOF, Basic Mutation in Racket

Structural Recursion

- the structure of the program imitates the structure of the data
- eg. Nats

```
(define (fact n) ; a Nat is either
  (if (= n 0) 1 ; 0 or
      (* n (fact (- n 1))))) ; (+ 1 n) where n is a Nat
```

- the cases in the function match the cases in the data definition
- the recursive call uses args that either stay the same or get one step closer to the base case of the data definition

```
(define (length l) ; a (list of x) is
  (cond
    [(empty? l) 0] ; empty or
    [else (+ 1 (length (rest l)))])) ; (cons x y) where x is an X and y is a (list of X)
```

- easy to prove by induction
- Claim: (length L) produces the length of the list L
- Proof: structural induction on L
 - case 1: L is empty. then (length L) \Rightarrow 0, which is the length of the empty list ✓
 - case 2: L is (cons x L'), assume that (length L') \Rightarrow n, where n is the length of L'. then (length L) produces (+ 1 n), which is the length of L ✓
- correctness proof feels like a restatement of the program

Weekly To Do

monday <input type="checkbox"/> (10:00-11:00) task 1 <input type="checkbox"/> (2:00-3:00) task 2	tuesday <input type="checkbox"/> task 1	wednesday <input type="checkbox"/> task 1 <input type="checkbox"/> task 2 <input type="checkbox"/> task 3 <input type="checkbox"/> task 4	thursday <input type="checkbox"/> task 1 <input type="checkbox"/> task 2
friday <input type="checkbox"/> task 1 <input type="checkbox"/> task 2 <input type="checkbox"/> task 3	saturday <input type="checkbox"/> task 1 <input type="checkbox"/> task 2	sunday <input type="checkbox"/> task 1	week

+ New Weekly To Do

To Do Archive

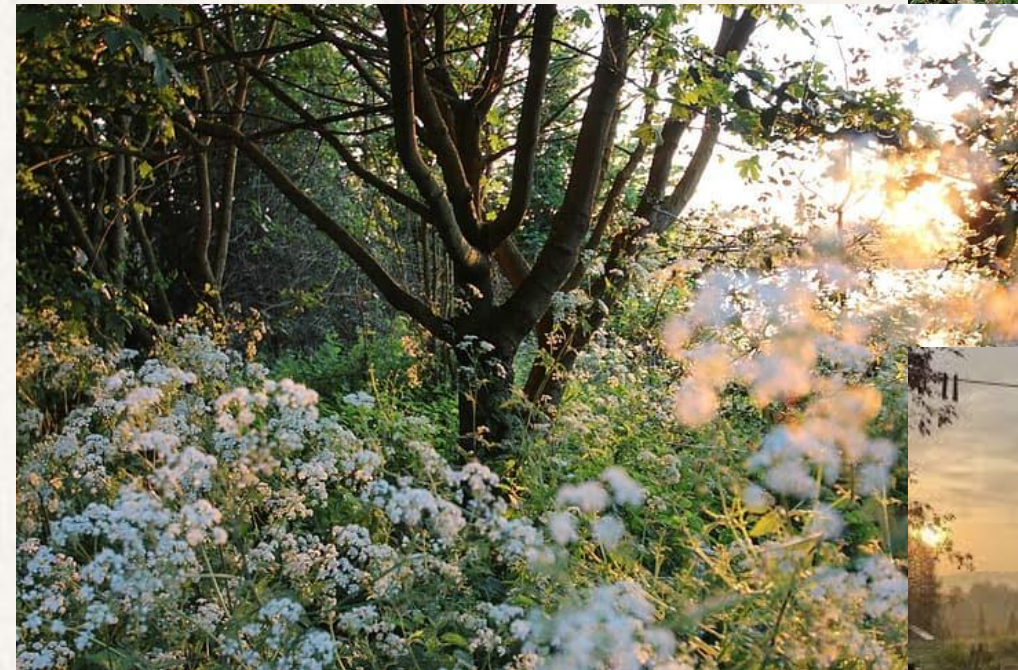
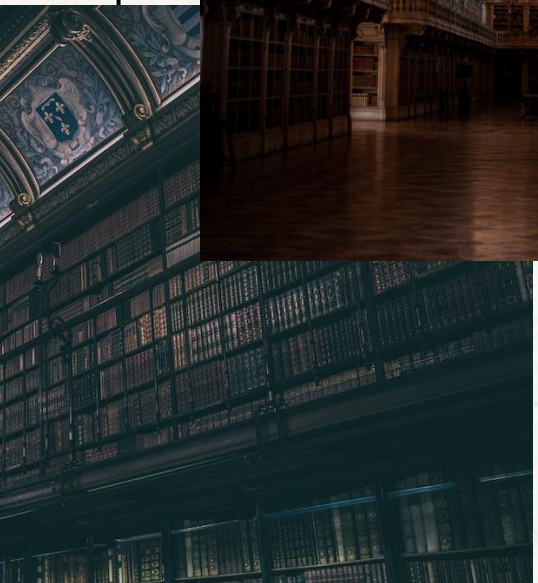
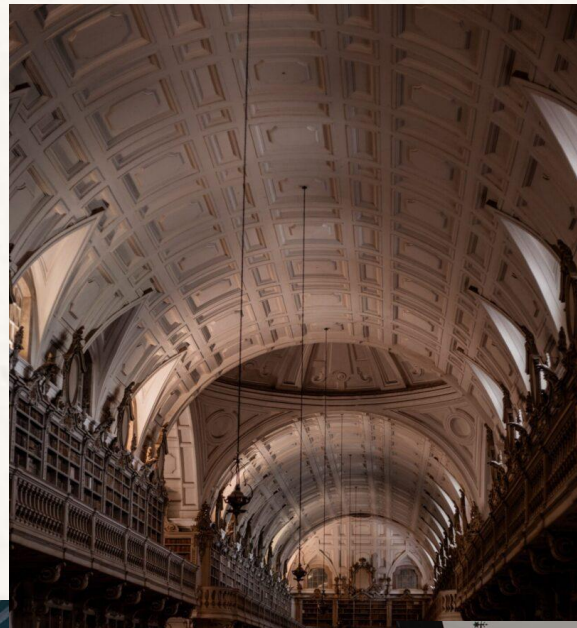
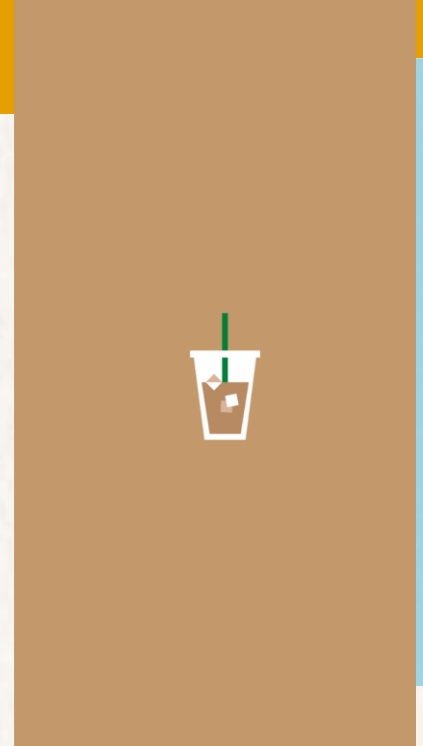
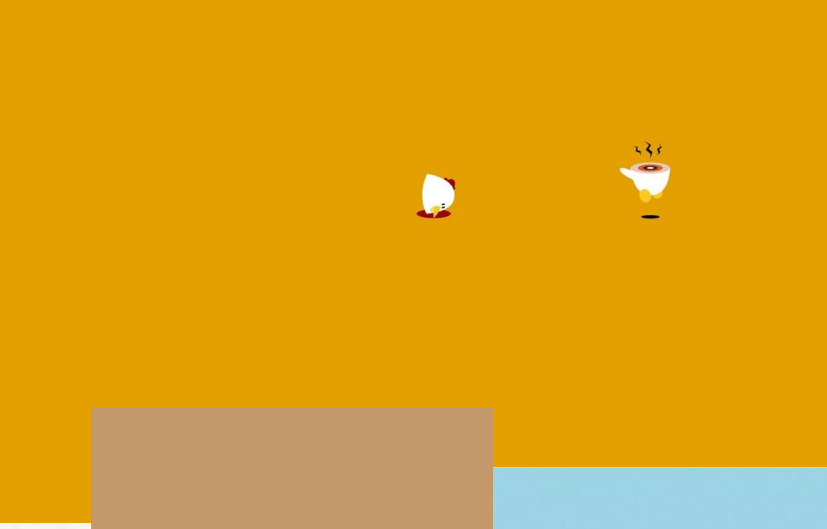
Notion Tips

**start simple and
build complexity
over time**

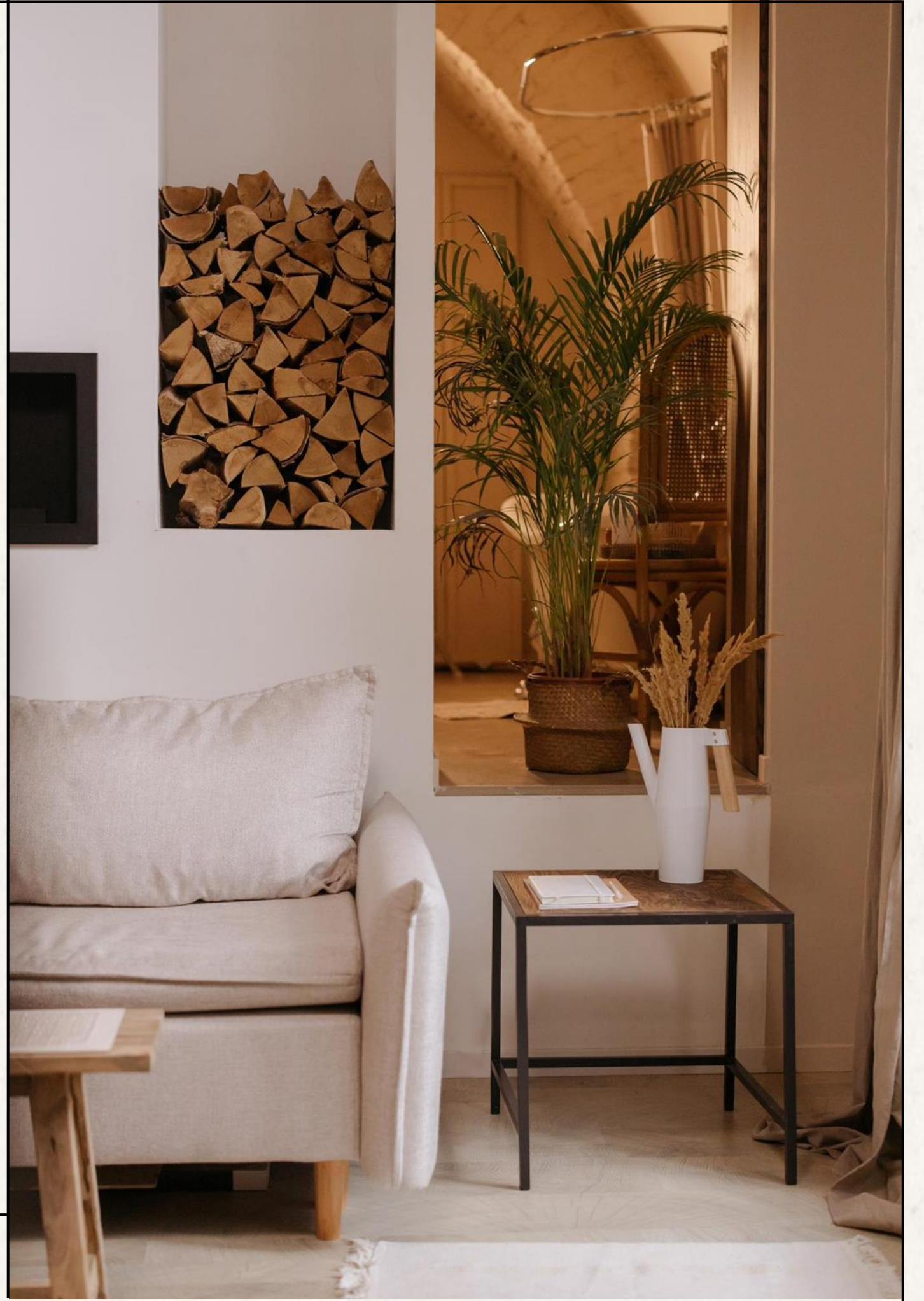
**the content
matters more the
aesthetic**



Inspo

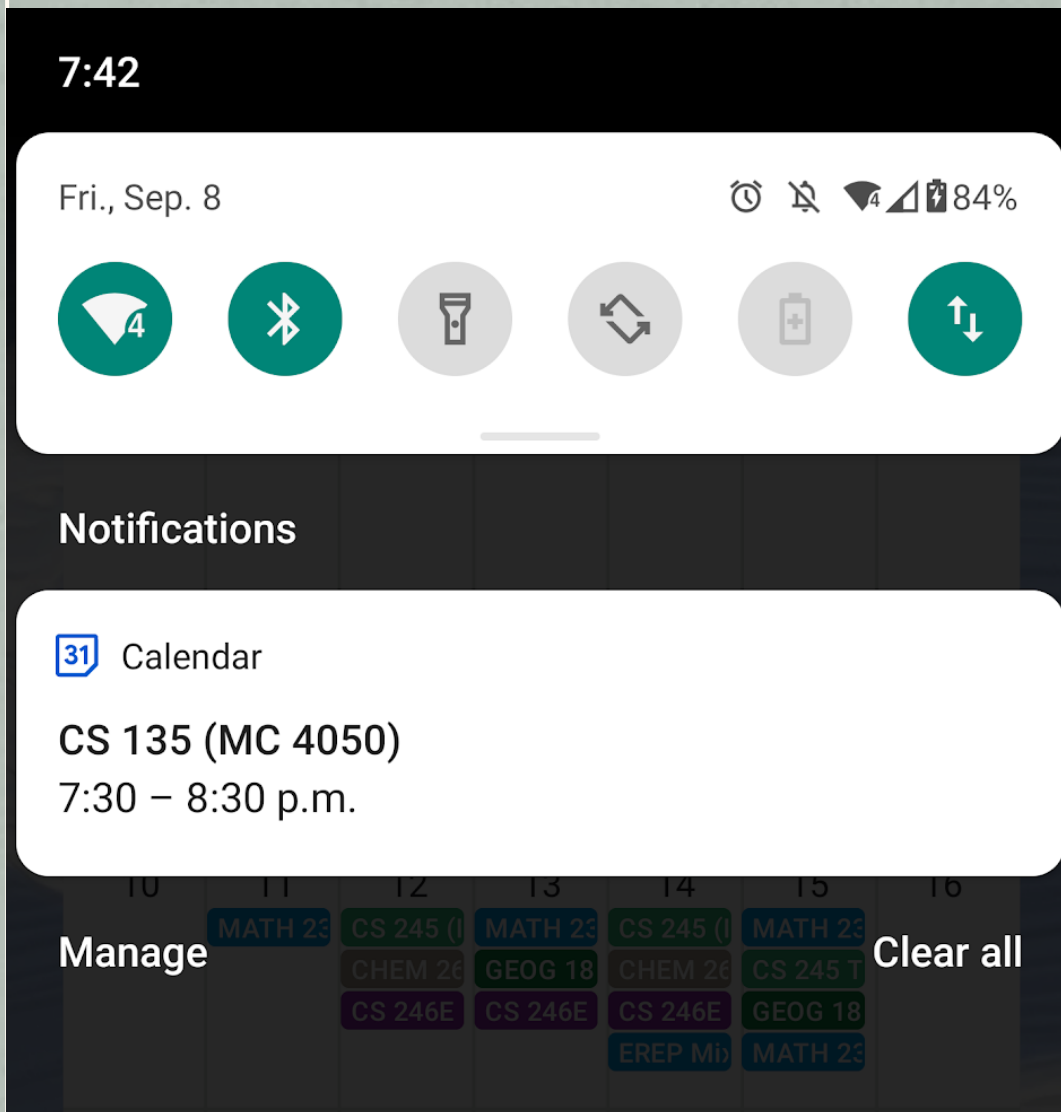


Google Calendar

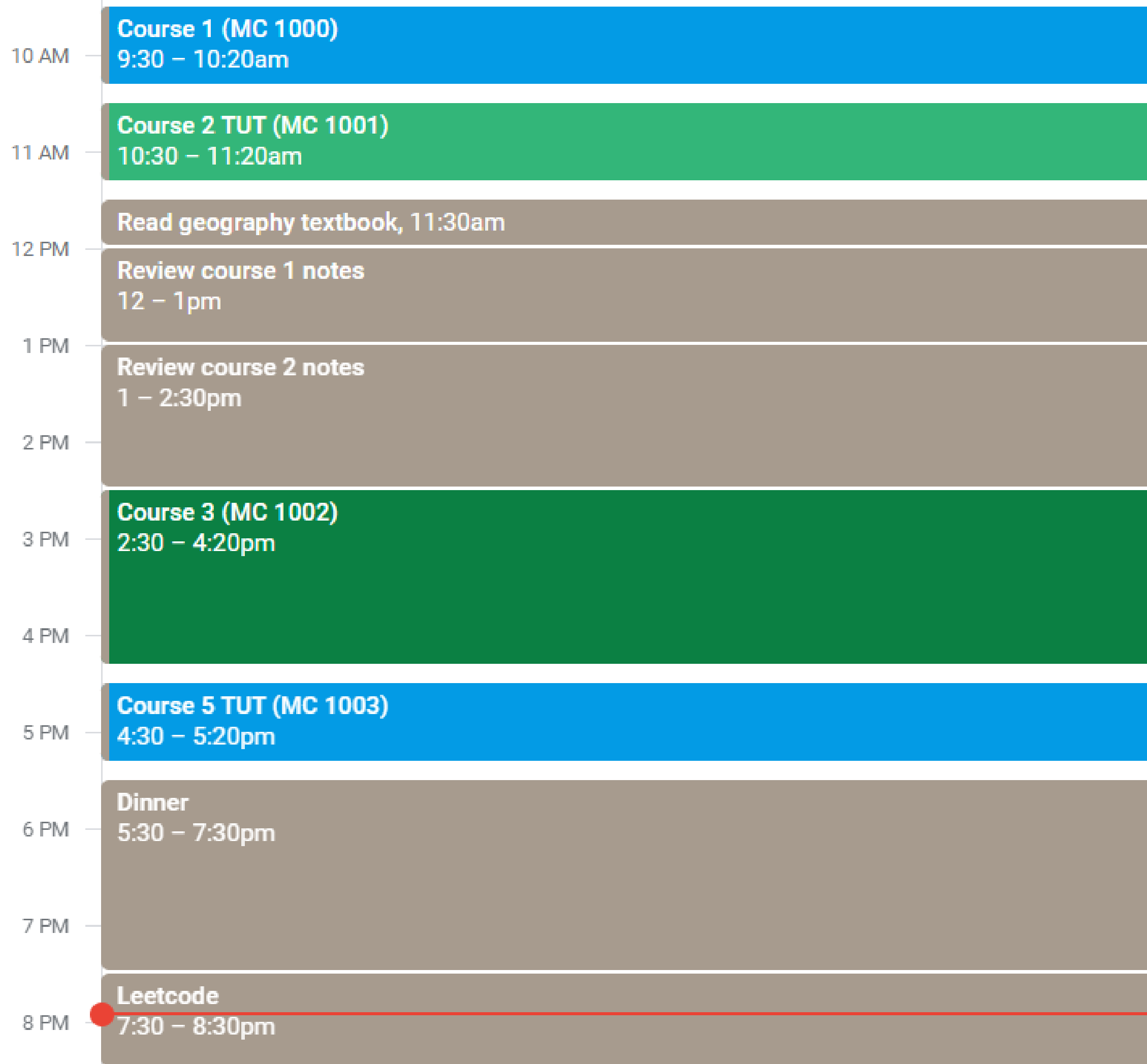


Reminders for Classes

+ the building and the room
the class is located in



Course 1 (MC 1001) 9:30 - 10:20am	Course 2 (UTD 1002) 10 - 11:20am	Course 1 (MC 1001) 9:30 - 10:20am	Course 2 (UTD 1002) 10 - 11:20am	Course 1 (MC 1001) 9:30 - 10:20am
		Course 5 LAB (EV1 200) 10:30am - 12:20pm		Course 2 TUT (MC 1003) 10:30 - 11:20am
		CS 246E TUT (MC 2038) 12:30 - 1:20pm		
	Course 3 (RCH 101) 1 - 2:20pm		Course 3 (RCH 101) 1 - 2:20pm	
	Course 4 (RCH 102) 2:30 - 3:50pm		Course 4 (RCH 105) 2:30 - 3:50pm	Course 5 (AL 100) 2:30 - 4:20pm
				Course 1 TUT (RCH 200) 4:30 - 5:20pm



Time blocking on Google Calendar

Tips



Go to class

- catching up is sometimes harder than just going to class
- memorization skills improves when you associate different information with different dates and time

Start assignments early

- more time to
 - think about the questions
 - go to office hours, math tutoring center, piazza

THANK YOU!



<https://bit.ly/3P7EesR>

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LinkedIn: <https://www.linkedin.com/in/emilyzhangbg/>

