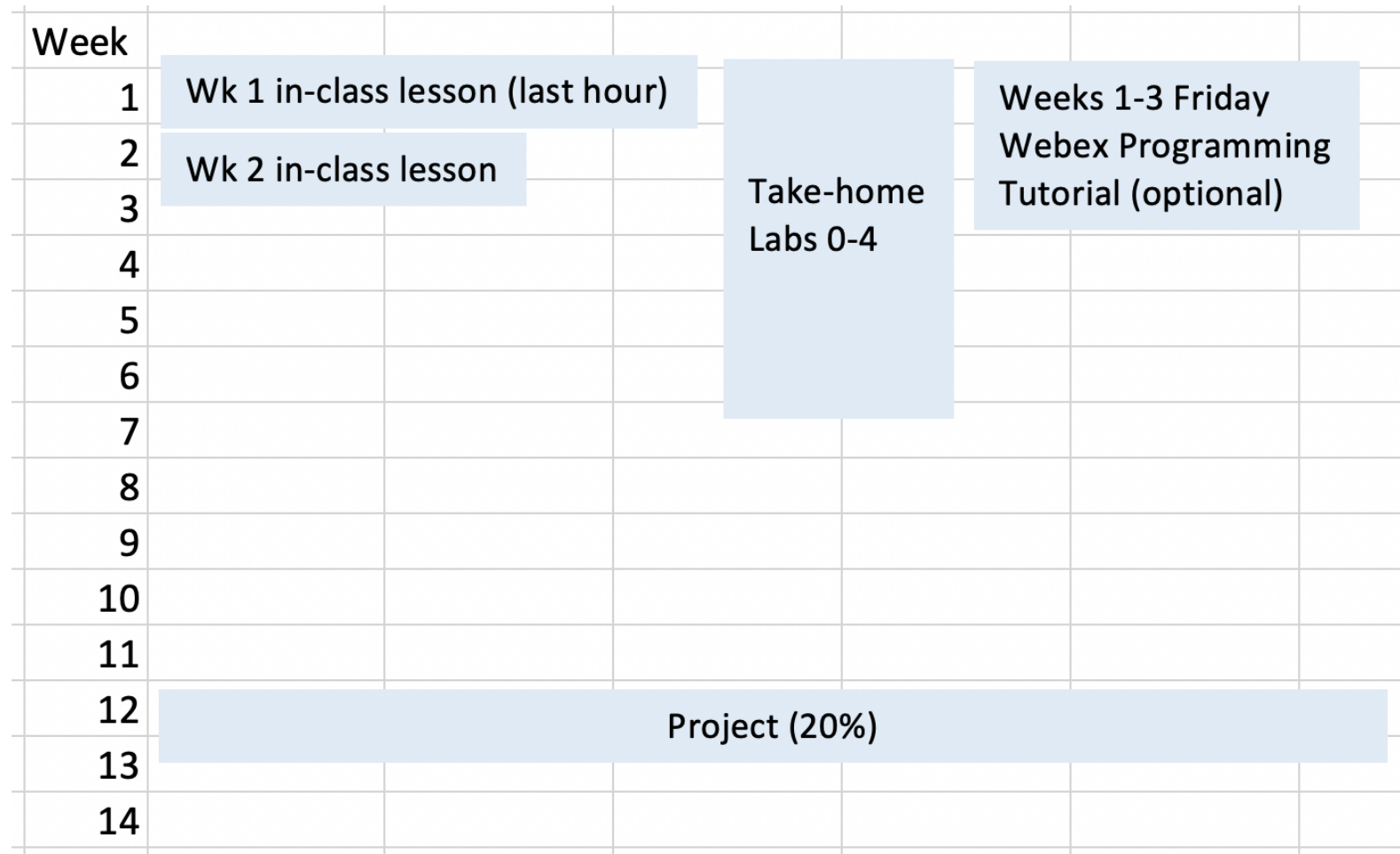


Programming-related Activities for this course



Programming-related Assessment

Assessment	Mode	Week	Weight
Project	Individual or Team	11-13	20%

- Project questions may take these forms:
 - Questions similar to your lab
 - Come up with an algorithm to solve a given problem
 - Implement the algorithm in Python
 - Requires combination of algorithms and basic programming skills
- Score will be affected by:
 - Correctness (very, very important)
 - Performance (time taken) by your code
 - Quality of your algorithm

Labs – Compulsory

You are given 5 take-home labs to prepare you:

- Labs are mandatory, but not assessed – you must submit a working solution to red.smu.edu.sg
- Do get help to complete your labs
- One lab per week starting this week
- **Timely completion of your labs contributes to your class part score**

Lab	Coverage	Release
0	Conditionals/loops	Week 1 Monday – 1 week to attempt
1	Converting pseudocode to Python code	Week 2 Monday – 1 week to attempt
2	Lists (binary search)	Week 3 Monday – 2 weeks to attempt
3	Recursion	Week 5 Monday – 1 week to attempt
4	Putting it all together	Week 6 Monday – 1 week to attempt

Codecademy - optional

Visit <https://www.codecademy.com/learn/learn-python-3>

- Complete units 1-6 (inclusive).
- Estimated time: 6 hours
- Highly recommended for students new to programming
- Needs Codecademy "pro" membership – free trial for a week

Additional Lab Exercises - optional

You are given 1 practice lab test

- ex1-7
- Released in week 4.
- Submit to red (like the labs)
- Score is "not counted". More for practice & self study
- This was an actual lab test given in an earlier term. No lab test this term.

Webex Programming Tutorial - optional

3 sessions:

- We will attempt simple programming questions
- Fridays 4-5pm Weeks 1, 2 and 3 only:
 - 21 Aug 2020: loops (for, while) and decisions (if/else)
 - 28 Aug 2020: lists and 2D lists
 - 4 Sep 2020: Additional Lab Exercises
- Webex: <http://smu.sg/mokkie>
- No need to register; just attend. Open to all CT students from all sections.
- Highly recommended for students who have no background in programming.
Not necessary for students who have programming experience.