As announced on February 7th 2021 the campus COVID-19 operational posture is now "High Risk" <a href="https://www.umass.edu/coronavirus/operationalposture#high">https://www.umass.edu/coronavirus/operationalposture#high</a>.

Therefore, there is no access to SDP lab or M5 while we remain in this state. SDP21 will proceed in a remote format over these next two weeks.

Topics covered in this announcement portion of today's lecture:

- Revised calendar
- Remote Logistics (purchases, parts & equipment, soldering)
- Working remotely as a team
- Clarification of the FPR embedded firmware/software policy will be discussed at the end of lecture

For immediate specific logistical concerns, post a message to your team[#]-and-course-coordinator channel on Slack.

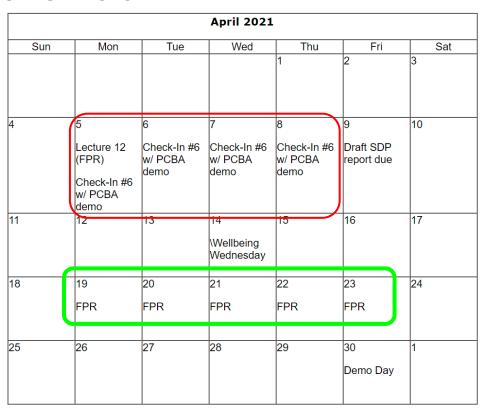
Additional questions -- ask after lecture

# Revised calendar

February 2021						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
	Classes Begin					
	Lecture 7 (CDR prep)					
7	Lecture 8 (Design of Experiments)	9	10	11	12	13
14	15	16	17	18	19	20
	Check-In #4	Check-In #4	Check-In #4	Check-In #4		
21	22 Lecture 9 (Alumni)	23	24 Wellbeing Wednesday	25	26	27
28	(Alumin)		vveuriesuay			



### Revised calendar



#### Logistics of switching to fully remote until at least February 21st 2021

- Purchasing: It may be possible for orders to be shipped directly to your address.
   @Keith Shimeld on your team's Slack purchasing channel.
- Curbside pick-up: A pick-up/drop-off box outside M5 will facilitate no-contact curbside pick-up of purchases, parts, equipment, so on.
- Soldering:
  - Discuss with Shira via Slack, Zoom to figure out exactly what you need
  - Shira will assist you with creating the assemblies that you need soldered now in order to continue working
  - Drop off parts to be assembled, pick up final assembly after notification from Shira from the pick-up/drop-off box

# Working remotely as a team

- FPR has not been delayed. Continue working.
- Think creatively about remote work. Some ideas:
  - Order multiple copies of modules so each team member can work on the same development environment and independently test and debug. If your team needs more funding than your original \$500 budget, make a formal request to the teamxy-and-course-coordinator channel
  - If only one system copy is feasible, considering consolidating to one location.
    - Team members without the hardware are 100% capable of contributing to the work:
      - Writing code
      - Doing research. Analyzing data. Designing tests.
      - Designing the schematic and PCBA
      - Working via Zoom to assist the team member with the hardware (get a webcam or use your phone, be creative with camera angle)
  - Stuck? Ask for help: Team members, faculty advisor, Dr. Malloch, course coordinators

Additional questions?

Stick around after lecture, or post to Slack after.

#### Hardware Requirement [From Lecture 2, slide 20]

- Prototype rapidly for MDR.
- Use solderless breadboards, development boards & breakout boards for MDR.
- Development & breakout boards not allowed at FPR and demo days.
  - including Arduino, mbed and no-operating-system 8-bit and 32-bit dev boards.
  - instead, migrate your MDR design onto your custom PCB and migrate your Arduino code to ANSI C code.

#### Clarification of the FPR embedded firmware/software policy

If your team has an exception request post it to your team-xy-and-course-coordinator Slack channel

- Migrate your "Arduino" code to C
  - Don't use "Arduino" functions, for example: digitalWrite(), analogWrite(), pinMode()
  - You can include libraries which you explicitly invoke in your code
- You can use the bootloader still if you find it convenient
- You can use the Arduino IDE if you find it convenient, but consider it has very few features

All your code will have to be on GitHub (\*if for some reason your code must remain private, you can make a private repository and find a way to share it only with team members, advisor, evaluators, and course coordinators)