

Program/Course Health & Safety Form

Date: 8/7/2020	Campus: Richmond
Faculty: Science & Horticulture	Program: B.Sc. in Physics for Modern Technology – PHYS 3620
Date of first group of students on campus: 1/18/2021	Date of first group of students to leave campus: 1/25/2021
Date of second group of students on campus: 2/1/2021	Date of second group of students to leave campus: 2/8/2021
Date of third group of students on campus (if needed): 2/15/2021	Date of third group of students to leave campus: 2/22/2021
Number of students anticipated on campus and on which days: Room - 3310 Group 1: 4 students on each of the following days (6 hrs/day, 10:00-16:00) – Jan 18 & 25 Group 2: 4 students on each of the following days (6 hrs/day, 10:00-16:00) – Feb 1 & 8 Group 3: 3 students on each of the following days (6 hrs/day, 10:00-16:00) – Feb 15 & 22 Assuming 11 student register to the course. There are currently 11 students in PHYS 3610 which is the pre-requisite for PHYS 3620	Number of employees on campus to support this program and on which days: One instructor and one lab technician on each day. Instructor Name: Flavio Ruiz Oliveras
Rationale for why students need to be on campus: KPU’s Physics for Modern Technology (PMT) degree has been marketed as a unique physics degree in Canada that incorporates practical applications and technical skills. It is essential that PMT students be allowed on-campus to complete their training in some of these applications of modern technology. The learning objectives of PHYS 3620 (Process Control) includes the building and testing of industrial control systems and working with electric motors and pumps. To satisfy these learning outcomes, students will need to complete the following 2 labs:	

- 1) Building and testing pneumatic control systems (6 hrs – one lab session)
- 2) Flow and pressure measurements for fluid level control systems (6 hrs – one lab session)

These labs require specialized equipment and installations that would be impossible for students to acquire in order to perform them from their homes. The Physics department has one complete set of pneumatic equipment and one complete set of piping and instrumentation equipment to build and test industrial control systems.

Since this is a compressed course, students will be working in teams of 2 during six hours to complete each lab. This requires students to be on campus twice for this course.

Have you informed the Registrar of the scheduling requirements for this course? Yes/no and when informed?

The scheduling office will be notified on August 21st.

PPE requirements for students, faculty, and staff (quantity needed).

All students, faculty and staff will be required to have face shields on-hand to be used as physical distance will not be possible since they will be working in teams of 2. All individuals are encouraged to use their own face shields. Face shields will be provided to individuals who do not have one.

Students **MUST** use a face mask beneath the face shield.

Students – 11 students

Instructor: 1 instructor

Lab technician: 1 lab technician

Total: 13 face shields

*assuming 11 students

*assuming students wish to use a face mask as well:

11 student x 2 times on campus = 22 face masks.

Has there been consultation with the Faculty OH&S Committee or the instructor? (provide details).

Instructor has been consulted.

Students must conduct Covid-19 self-assessment prior to arriving on campus and attending class.

Safety Plan for Employees and students:

Students

- Wash and/or sanitize your hands before or upon entering the lab.
- The lab doors will be propped open to eliminate the need to touch door handles.
- Follow the direction arrows and instructions to arrive and depart from your numbered lab bench.
- All equipment will have been quarantined for a minimum of 1 week prior to your first use.
- You are required to wear a face shield at all times since you will be working in teams.
- You are encouraged to bring your own face shield, but if you do not have a face shield, one will be provided to you.
- Wash and/ or sanitize your hands constantly since you will be working in teams of 2 and you will be touching the same equipment as your partner.
- Notify the instructor if you are leaving your lab bench (to use the washroom, or because you have completed the lab) prior to the end of the scheduled class.
- Do not touch your face, nose and/or eyes.

Instructor and Lab Technicians

- Wash and/or sanitize your hands before or upon entering the lab.
- Maintain a physical distance of 2m at all times – if physical distancing cannot be maintained, you are required to wear a face shield.
- Wash and/or sanitize your hands before and after handling any of the student’s equipment or materials.
- Wash and/ or sanitize your hands constantly.
- Do not touch your face, nose and/or eyes.

Have you consulted with Dr. David Florkowski, AVPA before submitting this request?

Click or tap here to enter text.

Dr. Florkowski toured the site on August 26, 2020.

Submitted by: Dr. Elizabeth Worobec, Dean, Faculty of Science and Horticulture

Approved by Provost and VPA:

Dr. Sandy Vanderburgh

Signature:

Date:

Approved by the Office of Health & Safety

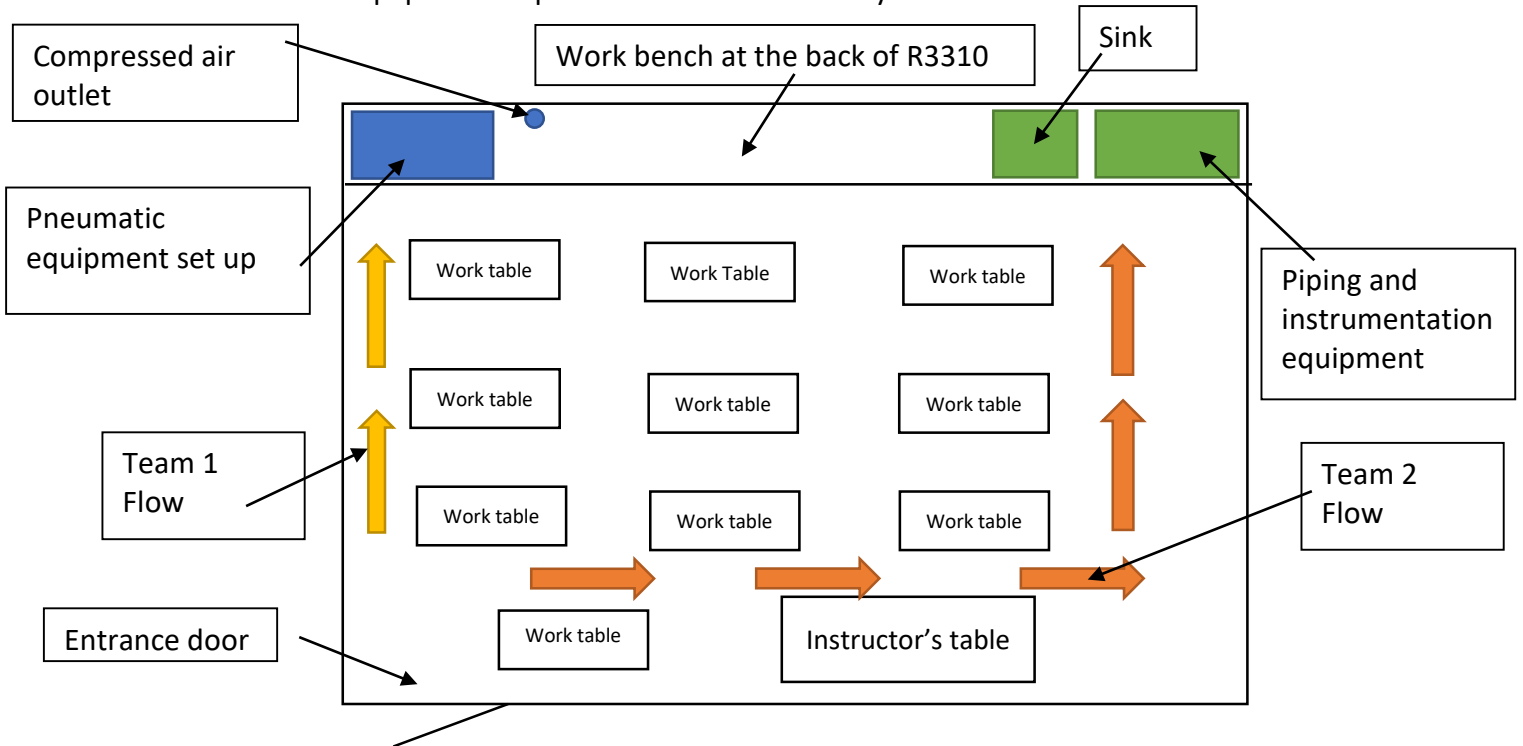
Name: Pablo Dobud

Signature:

Date:

Insert sketch(es) of classroom arrangement and “flow of students” here.

Students will enter the lab, R3310, via the hallway door. This door will be propped open at least 15 minutes prior to the start of class to allow students to enter the lab directly without queuing in the hallway. The pneumatic equipment requires a compressed air outlet and the piping and instrumentation equipment requires to have a sink nearby.



COVID 19-Classroom/Shop/Laboratory Safety Plan Checklist

Department:

Campus:

Completed by:

Date:

Overview

- The following checklist must be completed for spaces being used for face to face activities/instruction.
- The intent is to ensure that minimum requirements are being considered to maintain safe spaces for employees and students in our classrooms, shops and laboratories.
- This checklist is by no means exhaustive and there may be other measures unique to your spaces that may need to be considered in developing your classroom/shop/laboratory safety plan.
- The requirements identified are consistent with the current guidelines provided by the Provincial Health Officer, BC Center for Disease Control and WorkSafe BC.

When completing this checklist describe the implementation details for each item indicated as “yes”.

1. Orientation, information and training on the Department’s Covid-19 Safety plan has been provided to employees and students?

Yes

Not Applicable

2. Handwashing posters posted in all washrooms?

Yes

Not Applicable

3. Students/employees are reminded to practice good hygiene during class and to wash hands immediately before and after class?

Yes

Not Applicable

4. Nearest handwashing sink located, is stocked and has been identified to students?

Yes

Not Applicable

5. Students have been advised that no eating/drinking is permitted during classes in classroom/shop/lab?

Yes

Not Applicable

6. Physical distancing posters posted in classrooms/shops/labs and throughout the common areas?

Yes

Not Applicable

7. The maximum number of persons allowed in a space has been determined in order to maintain 2-meter physical distancing?

Yes

Not Applicable

8. Occupancy limit signage posted on door?

Yes

Not Applicable

9. Directional arrows to support flow of people throughout the teaching space are in place?
Provide a floor plan with your plan indicating direction of flow of people, location of workstations, entry and exit points.

Yes

Not Applicable

10. If applicable, Facilities has been notified of additional cleaning needs for building/classrooms/shop/lab?

Yes

Not Applicable

11. If applicable, Facilities has been notified of additional signage required for the classroom/shop/lab?

Yes

Not Applicable

12. Students have been provided instruction on where to spend their break time? (No social gatherings, leave the building, in their cars)

Yes

Not Applicable

13. Classroom/shop/lab set up to allow for 2 meters physical distancing between all occupants?

Yes

Not Applicable

14. Demonstration and work areas set-up to allow for 2 meters physical distancing?

Yes

Not Applicable

15. If physical distancing or other measures are not practical installation of barriers or sneeze guards has been considered?

Yes

Not Applicable

16. Handouts, papers, pens, etc. are not physically provided to students? (Use e-versions, students provide their own, etc.)

Yes

Not Applicable

17. When possible, students should have their own dedicated tools/equipment? (Items are not shared between students during class).

Yes

Not Applicable

18. Common touch points and tools/equipment that must be shared are identified?

Yes

Not Applicable

19. Cleaning and disinfecting program in place for cleaning/sanitizing shared tools/equipment and touch points?

Yes

Not Applicable

20. Students and employees are given instruction for the safe and correct use of any cleaning/sanitizing materials?

Yes

Not Applicable

21. Safety Data Sheets available for cleaning/disinfecting supplies?

Yes

Not Applicable

22. Students/employees are given instruction for the safe and correct use of any provided personal protective equipment (PPE)? Instruct students/employees on how to safely use, remove, and dispose/clean (as applicable) any required PPE for the class. **Please note in regards to Covid-19, PPE should only be considered when physical distancing and other measures are not practical to implement.**

Yes

Not Applicable

23. First Aid protocol has been reviewed with students and employees? Students in need of first aid to notify instructor and instructor to call First Aid Attendant. Follow directions of First Aid Attendant.

Yes

Not Applicable

24. A process has been developed to deal with employees not following the control measures?

Yes

Not Applicable

25. A process has been developed to deal with students not following the established control measures?

Yes

Not Applicable

26. A process is in place to advise employees to stay home if sick, and how to report COVID-19 like symptoms? (Supporting measures should also be in place to accommodate absences and provide coverage, if applicable)

Yes

Not Applicable

27. A process is in place to advise students to stay home if sick and how to report COVID-19 like symptoms? (Supporting measures should also be in place to accommodate absences?)

Yes

Not Applicable

28. Students are advised to self-monitor and notify instructor if not feeling well?

Yes

Not Applicable

29. Employees are encouraged to self-monitor and to notify supervisor if not feeling well?

Yes

Not Applicable