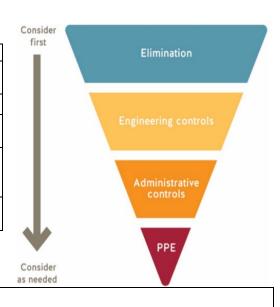


The BCIT COVID-19 Go-Forward Plan outlines the risk assessments, control measures, and the organizational process for our safe return to campus. All returning programs/courses must adhere to this process. Please refer to the <u>BCIT COVID-19 Go-Forward Plan</u> for additional information.

CONTACT INFORMATION

Course/Program Name:	Building Science Graduate Program: building environmental quality laboratory							
Proportion of program offered on campus:	100% outdoor project offer at the BCIT Burnaby Campus							
Start date:	April 1, 2021	End d	ate: Dec	cember 21, 2021				
Total # of students in	25	# of employ	ees: 7					
program:								
Anticipated # of	12	Anticipated	# of 1 fa	aculty				
students on campus		employees on cam	ipus					
daily when scheduled:		daily when sched	uled					
Completed by:	Rodrigo Mora	Faculty	Ma	rch 4, 2021				



ROOM INFORMATION

In this section, please identify all of the rooms that will be used by this returning program/course. NOTE: Common areas are covered by the BCIT COVID-19 Go-Forward Plan.

Campus/ Building	Room Number Floor Plans found here	Type of Space Include washrooms and breakout rooms	Capacity Current capacity due to COVID-19
Outdoor project	NA	No	NA



RATIONALE FOR ON-CAMPUS ACTIVITY

Please provide a short description explaining the need for students to be on campus. Your narrative should be focused on the practical elements of the program or activity that are critical to achieving learning outcomes, and why on campus components cannot be replicated in an online or alternative environment (e.g. student bringing learning equipment home).

This is an outdoor project about urban heat island and outdoor thermal comfort. The project requires taking well-planned environmental measurements of microenvironments at BCIT Burnaby campus, and collecting subjective responses from individuals about their perception of the outdoor thermal environment.

One Building Science master student and her supervisor (Rodrigo Mora) will be in charge of planning and conducting the field experiments. Two types of experiments will be conducted:

- 1. Environmental measurements by the master student and the supervisor. Only these two people will be involved. The student and the supervisor will share equipment, therefore the proper equipment sanitization and hand washing precautions will need to be taken.
- 2. Six (6) experiments will involve a group of ten (10) students that will go to a selected site, be seated or walking and respond to a 30-second questionnaire every 5 minutes. The ten (10) students will be in the same area, and more than 2-metres away from each other. During the experiment, they will respond to the questionnaire using a phone App. Therefore, they will not need to be in direct contact with any equipment or tools.

Because the second experiment involves human subjects responding to questionnaires, the whole project is under Ethics review by BCIT to make sure the project planning and execution respects the privacy and well-being of the students participating.

CONTROL MEASURES

COVID-19 SAFETY PLAN: CONTROL MEASURES CHECKLIST

Directions for completing a Safety Plan:

- 1. First step of this process is to review the <u>BCIT COVID-19 Go-Forward Plan</u> as the overall planning document for this process.
- 2. Use this checklist as a tool to assess COVID-19 control measure preparedness for students and employees and the spaces they will be using. Refer to the BCIT COVID-19 Go-Forward Plan for standardized safety guidelines and procedures.
- 3. For each control measure, state the details. If the control measure is a 'No' or 'NA', please provide a brief explanation.

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- 4. The manager requests all PPE requirements by submitting this draft Safety Plan to the PPE@bcit.ca.
- 5. Implement all the safety measures in this Safety Plan.
- 6. The manager completes a site visit to ensure all control measures and safety supplies are in place.
- 7. The manager signs the completed Safety Plan and submits it to returntocampus@bcit.ca for approval.
- 8. Once approved, the COVID-19 Safety Plan is posted in all work areas identified within this plan.

Note: The workspaces cannot be used until all applicable control measures are in place and Safety Plan is approved. For additional resources the <u>Risk</u> <u>Assessment Controls Guidance and Hierarchy of Controls.</u> For assistance email <u>ssemohs@bcit.ca</u>.

#	Control Measure	Yes	No	NA	Details (as per Directions)
ELIN	IINATION				
1.	Room(s) set up to allow for 2 metres physical distancing during instruction and practice. Note: Contact returntocampus@bcit.ca for room capacity and layout if needed.				This is an outdoor project. Therefore, maintaining 2-metre distance is not a problem.
2.	Demonstration, work and assessment stations are set-up to allow for 2 metres physical distancing.				Desks and work modules are set up more than 2 meter apart
3.	Identified area(s) where students wait outside of teaching space until allowed inside by instructor.				
4.	Work has been scheduled to minimize numbers of individuals on campus at one time.				
5.	In shared spaces, safety protocols have been put in place to reduce close contact between users.	\boxtimes			
6.	Movement within the room is identified, such as with directional arrows, for walkways and entrances/exits.				
7.	Water fountains are put out of service, and only touchless water bottle filling station available.		\boxtimes		
8.	Mobile fans have been removed or put out of service.			\boxtimes	
7.	Washrooms have been identified.	\boxtimes			When the sites are selected, the closer washrooms will be identified
8.	Break area(s) for student use have been identified.			\boxtimes	Break area is outside
9.	Break areas for employee use have been identified.			\boxtimes	Break area is outside



#	Control Measure	Yes	No	NA	Details (as per Directions)
10.	Other:			\boxtimes	
ENG	INEERING CONTROL MEASURES				
11.	<u>Barriers</u> are implemented to separate work areas or walk ways, when physical distancing not practical.			\boxtimes	
12.	Barriers are stable and do not introduce other safety hazards, e.g. tripping.			\boxtimes	
13.	The impact on ventilation requirements have been considered if there's been a significant use change for the instructional space.	\boxtimes		\boxtimes	
	Other:			\boxtimes	
SIGN	IAGE (ADMINISTRATIVE) Signage is available @ BCIT onlin	ne Inve	ntory.	Guid	elines for posting signs are available on <u>ShareSpace</u> .
13.	Posted: Physical distancing (2 m) sign(s) Item 1A	\boxtimes			
14.	Posted: Hand washing sign(s) Item 29B			\boxtimes	
15.	Posted: Health screen sign(s) Item 3C			\boxtimes	
16.	Posted: Hand washing sink location sign(s) Item 14A			\boxtimes	
17.	Posted: Hand sanitizing station location sign(s) Item 13A	\boxtimes			There will be one hand sanitizing station at the site
18.	Posted: Protect yourself sign(s) Item 21A			\boxtimes	
19.	Posted: Occupancy limit of this room sign(s) Item 37A			\boxtimes	
20.	Posted: Other signs			\boxtimes	Please list: Please list: sign on East door confirming no access, see photo on p7
ORIE	ENTATION AND TRAINING (ADMINISTRATIVE)				
21.	Routine safety discussions held to review control measures and safety protocols.	\boxtimes			Review of the control measures and safety protocols will be held at the start of each work session
22.	All students have completed the online <u>COVID-19 Pandemic On-</u> <u>Campus Guidelines</u> training.	\boxtimes			How will compliance be checked: by Rodrigo Mora
23.	COVID-19 safety Site orientation for students has been developed and posted in the Learning Hub.				Procedure for orientation found <u>here</u> . Student COVID-19 Orientation Checklist found <u>here</u> . There is no Learning Hub access to these research projects, therefore this material will be communicated to students via email.
24.	All employees have completed the online <u>BCIT Pandemic</u> <u>Exposure Control Plan Training</u> .	\boxtimes			
25.	All employees have completed the online OHS New Employee Orientation module.	\boxtimes			Course by myself and checklist with supervisor New and Returning Employee Orientation Checklist with supervisor found <u>here</u> . Each employee to save the checklist to their online



#	Control Measure	Yes	No	NA	Details (as per Directions)
					OHS New Employee Orientation course. This course is required to be completed by new employees and by employees working on campus.
26.	Other:			\boxtimes	
RULI	ES AND GUIDELINES (ADMINISTRATIVE)				
27.	All unnecessary and self-serve items have been removed from the spaces. e.g., pens, paper, etc.			\boxtimes	All supplies asked for prior to class and stocked at each workspace
28.	Doors that students are to use to enter and exit have been clearly identified.			\boxtimes	Signs or arrows on the floor
29.	Handouts, papers, and items are not physically provided to students.				If items are provided, they are cleaned between student use or disposed, or other control measures are in place – Describe: The questionnaire will be administered through a phone App
30.	Students have dedicated tools/equipment, e.g., items are not shared between students.				For the environmental measurements tests, the master student and the instructor will share equipment. The equipment will be sanitized before and after use, hand sanitizer and alcohol wipes will be at the site.
					For the experiment with students as human subjects, the students will respond to questionnaires using a phone App. So there is no physical contact with any shared equipment or through papers.
31.	If cleaning common touch points or tools/equipment not practical, then it is identified when hands are washed/sanitized before and after use.				Explain: For the equipment, students/staff will wash /sanitize their hands before and after use them. Also the equipment handles will be disinfected before and after use. There are sanitized and disinfecting spray / wiper will be located at entrance of room and near the equipment.
32.	Work spaces/stations are dedicated for an individual or group use and not shared with others.				
33.	Single-use (disposable) products are used where feasible.	\boxtimes			
34.	Measures are in place to accommodate student sick at home.	\boxtimes			Accommodation plan: self-assessment at home before going to campus
35.	Procedures in place to screen students on a daily basis.	\boxtimes			The <u>health screen</u> poster is available for reference and is posted on building doors. Students and employees are expected to self assess daily, and the <u>BCCDC self-assessment</u> tool can be used to support this.
36.	There is a procedure in place if a student or employee becomes ill on campus.				Refer to the <u>COVID-19 Pandemic Scenario Response Plan</u> for more information. If the person is reporting symptoms, ask them to avoid others and return home. If they require immediate medical attention, call First Aid and 911. https://www.bcit.ca/covid-19/information-for-faculty-staff/ FAQ

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#	Control Measure	Yes	No	NA	Details (as per Directions)
37.	There are procedures in place if a student or employee travels	\boxtimes			Refer to the <u>COVID-19 Pandemic Scenario Response Plan</u> for more information. Confirm
	before coming to campus, or has been in close contact with				if the person is aware of self-isolation <u>requirements</u> and <u>protocols</u> .
	someone who has tested positive for COVID-19.				
38.	Provisions made for students to maintain same lab/class cohort			\boxtimes	
	throughout the Term.				
39.	Other:			\boxtimes	
PFRS	SONAL PROTECTIVE EQUIPMENT (PPE). Refer to the PPE F	lowcha	rt to d	leterm	ine what PPF is required for COVID-19 purposes.
40.	Appropriate PPE for the hazards of employee and student tasks				List the ppe and tasks/activities it is required for, and provide the quantity and unit of
٠٠٠.	are available to be provided (non-COVID-19 related ppe).				measure, if applicable (e.g. 2 boxes of 20 each box):
	are available to be provided (non-covib 13 related ppc).				, , , , , , , , , , , , , , , , , , ,
41.	Training is provided for the above PPE to students and	\boxtimes			
	employees.				
42.	Appropriate PPE for COVID-19 is available to be provided to	\boxtimes			Based on circumstances allowed for in the <u>BCIT COVID-19 Go-Forward Plan</u> , Risk
	students and employees. Supply requests emailed to				Assessment Matrix Summary.
	ppe@bcit.ca.				PPE List for the outdoor experiments:
					1 box of masks (onetime use)
					1 box of gloves (onetime use) 1 bottle of spray disinfectant
					1 container of wiper
					1 Container of wiper
43.	PPE safe donning, doffing, disposal, and disinfecting instructional	\boxtimes			Post applicable signs in a visible location if ppe required.
	materials are available for students and employees.				Use the <u>Student Orientation checklist</u> to assist orientation/training by instructors.
					Use the <u>OHS Employee Orientation checklist</u> to assist orientation/training by their
					supervisors.
44.	Other:			\boxtimes	
CLE/	ANING				
45.	Facilities is aware of the cleaning needs for the area. Facilities	\boxtimes			Cleaning includes common touch points and appropriate frequency for the area. This
	work requests have been submitted.				includes high touch areas. Provide FCD work request number(s).
46.	Training will be provided to faculty and students performing	\boxtimes			Cleaning Standard Operating Procedures have been located <u>here</u> . What are the cleaning
	cleaning duties and cleaning materials have been provided.				products/materials: gloves, cleaning and disinfecting wipes, spray cleaning
					and disinfecting wipes
47.	Assessment of sufficient number of hand wash stations			\boxtimes	These will be identified in the buildings closer to the outdoor sites selected.
	conducted, and an appropriate number of handwashing stations				
	are available				

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#	Control Measure	Yes	No	NA	Details (as per Directions)
48.	Handwashing station(s), stocked, easily accessed, and have been identified to students and employees.			\boxtimes	Sink Location: Stocked with soap Y □ N □ paper towel Y □ N □
49.	Hand sanitizing station(s), stocked, and have been identified to students and employees.	\boxtimes			ABHS (Alcohol-Based Hand Sanitizer): Location(s) Will hand sanitizer be refilled by department: $Y \square N \bowtie$ If No, describe:
50.	All Safety Data Sheets (SDS) and cleaning procedures used are found here .			\boxtimes	If not, describe:
51.	The area(s) have been decluttered so that cleaning is simplified.			\boxtimes	
52.	Barrier cleaning process has been arranged if the barrier(s) could become contaminated.			\boxtimes	Barriers can become contaminate if they are a touch point or if the contaminated with droplets by e.g. coughing or sneezing.
53.	Common touch points and tools/equipment that must be shared are identified and cleaned between students and classes.				The students and instructor in charge will be responsible for cleaning the equipment and tools right before and after use.
54.	Storage space for personal articles have been identified and are cleaned regularly.			\boxtimes	No personal articles will be stored in the space
55.	Other:			\boxtimes	
AUD	IT AND CONTINUOUS IMPROVEMENT				
56.	There is a plan to conduct <u>regular inspections</u> of all control measures and safety protocols to ensure they are in place.				Ensure this COVID-19 Safety Plan is posted. Who will conduct these inspections and how often? Rodrigo Mora will conduct the inspection periodically
57.	Audits of inspections are planned to ensure that control measures continue to be effective.	\boxtimes			Who conduct the audits and how often? Rodrigo Mora will conduct the audit periodically

APPROVAL

All COVID-19	All COVID-19 risk control measures for this campus activity are in place.							
Manager	Name	Position	Date					
	Fitsum Tariku	Director	March 4, 2021					
EOC	Name	Position	Date					
	Glen Magel	EOC Director	April 3, 2021					



REVISION APPROVAL (if applicable)

All COVID-19 risk control measures for this campus activity are in place.								
Manager	Name	Position	Date					
EOC	Name	Position	Date					

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