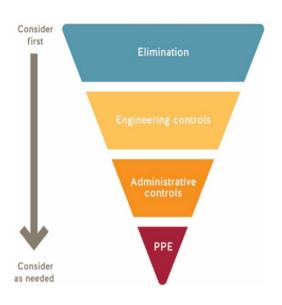


The BCIT COVID-19 Go-Forward Plan outlines the risk assessments, control measures, and the organizational process for our safe return to campus. All returning programs/courses must adhere to this process. Please refer to the <u>BCIT COVID-19 Go-Forward Plan</u> for additional information.

CONTACT INFORMATION

Course/Program Name:	Nautical Sciences, Marine Engineering, Bridge Watch Rating and Upgraders								
Proportion of program offered on campus:	e.g., Program = total of 40 courses of which 7 courses have some 'on campus' activity								
Start date:	March 2021		End date:	Ongoing through 2021 with various intake dates					
Total # of students in program:	130 – each class students	has up to 16	Total # of employees:	40					
Anticipated # of students on campus daily when scheduled:	90		Anticipated # of employees on campus daily when scheduled	25					
Completed by:	Name Emily Lacanilao Carl Marquardt Serhat Beyenir	Position JOHSC member/A JOHSC member/D JOHSC member/D	•	Date January 4, 2021					
Reviewed by JOHSC members:	Philip McCarter Marc Soer Jeff Otto	· ·	ssociate Dean rogram Technician o-op Ed. Coordinator						
Replaces	RTC Safety Plan #:								
	GFP Safety Plan #:	W249, W132, W9	0						





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
BMC	BMC-232 & BMC-234	Classroom	Max occupancy 13 people
BMC	BMC-132 & BMC-134	Classroom	Max occupancy 13 people
BMC	BMC-110	Conference Room	Max occupancy 17 people
BMC	150	Classroom	9
BMC	165	Classroom	13
BMC	250	Classroom	9
BMC	252	Classroom	9
BMC	255	Classroom	9
BMC	<mark>205</mark>	Classroom	<mark>9</mark>
BMC	<mark>223</mark>	Classroom	9
BMC	<mark>237</mark>	Classroom	9
BMC	<mark>131</mark>	Classroom	9
BMC	<mark>137</mark>	Classroom	9
BMC	<mark>138</mark>	Classroom	9
BMC	<mark>210</mark>	Cafeteria	<mark>16</mark>
BMC	350A	Staff Lounge	9
BMC	259, 113, 117, 161	Washrooms	1 person per washroom
BMC	111-M, 112-F, 216-F, 217-M	Washrooms	2 per washroom

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).

Academic spaces required for F2F instructional delivery and competency assessment of Nautical Sciences and Marine Engineering cadet programs, Bridge Watch Rating program, and block approved Upgrader courses. Transport Canada requires 100% synchronous delivery method in order to grant accreditation.



CONTROL MEASURES

COVID-19 SAFETY PLAN: CONTROL MEASURES CHECKLIST

Directions for completing a Safety Plan:

- 1. First step read the BCIT COVID-19 Go-Forward Plan as the overall planning document, and use it to complete Steps 2-7.
- 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.
- 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.

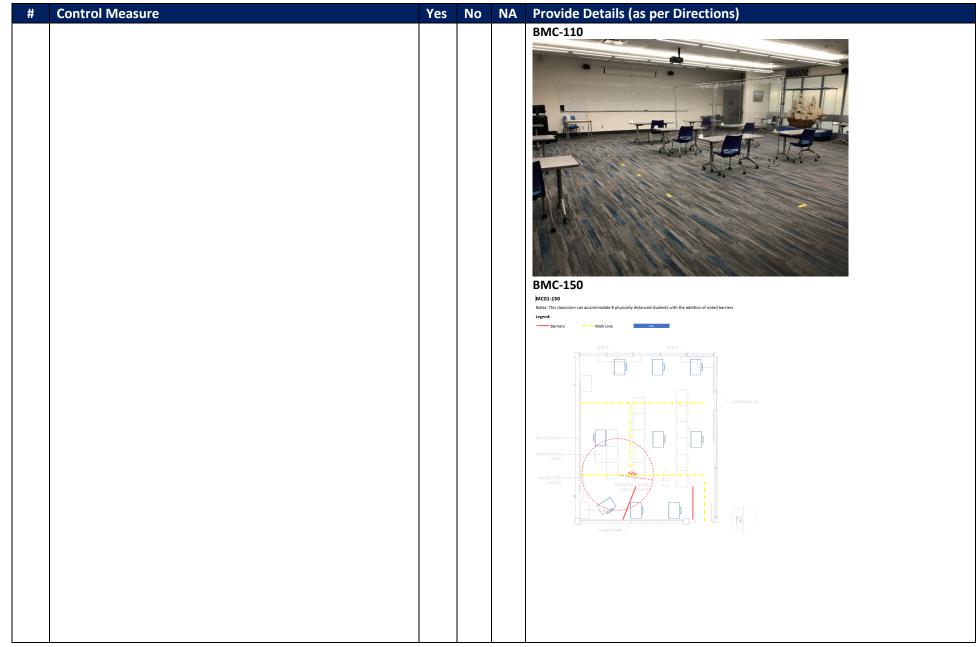
Note: The workspaces cannot be used until all applicable control measures are in place and Safety Plan is approved. For additional resources the <u>Risk</u> Assessment Controls Guidance and Hierarchy of Controls. For assistance email ssemohs@bcit.ca.

#	Control Measure	Yes	No	NA	Provide Details (as per Directions)
ELIN	INATION				
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.				 Exceptions allowed as per BCIT COVID-19 Go-Forward Plan, Risk Matrix Summary (explain): Classroom tables and chairs set-up allows physical distancing of 2 metres. Barriers implemented where physical distancing is not practical. The wearing of face masks in classrooms is mandatory, except as per the PHO, 'The mask requirement does not apply to people unable to wear a mask or put on or remove a mask on their own.'

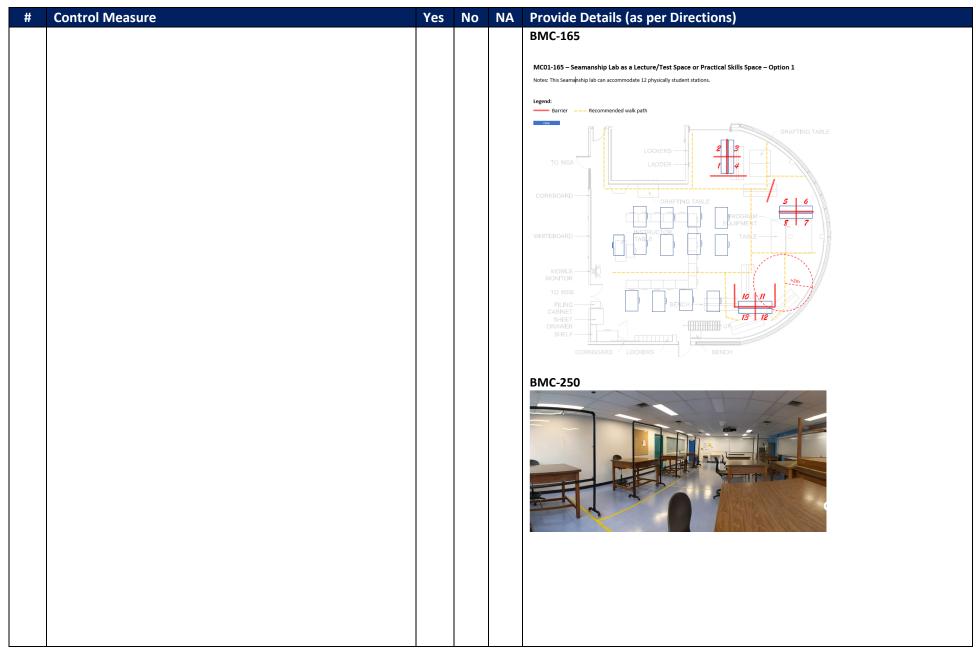


#	Control Measure	Yes	No	NA	Provide Details (as per Directions)
					BMC-232/BMC-234 and BMC-132/BMC-134 wall dividers removed to make
					space to accommodate 13 people with 2 m physical distancing and barriers.
					BMC-232 and BMC-234
					BMC-132 and BMC-134
					Divid 191 divid 194











#	Control Measure	Yes	No	NA	Provide Details (as per Directions)
					BMC-252
					BMC-255 See room layout for BMC-223, 237, 131, 137, 138, 205, 210, 350A in Appendix 1
2.	Demonstration, work and assessment stations are set-up to allow for 2 metres physical distancing.	×			Exception allowed as per <u>BCIT COVID-19 Go-Forward Plan</u> , Risk Matrix Summary (explain):
3.	Identified area(s) where students wait outside of teaching space until allowed inside by instructor.				 To avoid students congregating in corridors, students may enter directly into assigned classrooms. Keep face masks on at all times. In cases where students must wait, 2 m physically distanced ground/wall markings identify single-file waiting areas outside of the classroom/lab and students line up and enter as instructed by faculty.
4.	Work has been scheduled to minimize numbers of individuals on campus at one time.				• Schedule one group per day. If more than one group is scheduled in a day, additional sanitizing of the classrooms between two groups is arranged.



#	Control Measure	Yes	No	NA	Provide Details (as per Directions)
					Faculty/students to strictly follow start and end time of class/examination
					to allow for adequate time for custodial cleaning and disinfecting.
					Staggered schedule (break, lunch, etc.) implemented to limit the traffic in
					the common use spaces.
					Department Heads to review centralized Instructor Schedules in
					ShareSpace daily to ensure compliance to safety plan and to communicate
5.	In shared spaces, safety protocols have been put in place to	\square			schedule changes to respective parties.
٥.	reduce close contact between users.				
6.	Movement within the room is identified, such as with directional	\boxtimes			Signs or arrows on the floor identifying directions. Walking lines implemented on
	arrows, for walkways and entrances/exits.				floors to maintain physical distance when entering/exiting the classroom.
	Webserform to the second secon				
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			
0.	Thouse fails have been removed of partial of service.				
9.	Washrooms have been identified.	\boxtimes			If yes, Washroom occupancy limit1
10.	Break area(s) for student use have been identified.			\boxtimes	No break area at this point. Students are encouraged to vacate the classroom
	`,				and go outside of the campus during breaks. No food or drink in classroom at
					any time.
11.	Break areas for employee use have been identified.	\boxtimes			Staff to take breaks off campus or use approved offices/common areas.
12.	Other:			\boxtimes	
	INEERING CONTROL MEASURES				
13.	<u>Barriers</u> are implemented to separate work areas or walk ways,	\boxtimes			Faculty also use face shields or portable barriers during instructional
	when physical distancing not practical.				delivery.
14.	Barriers are stable and do not introduce other safety hazards,		\boxtimes		
15.	e.g. tripping. The impact on ventilation requirements have been considered if			\boxtimes	No significant use change for the instructional space.
15.	there's been a significant use change for the instructional space.				No significant use change for the instructional space.
16.	Other:			\boxtimes	
SIGN	IAGE (ADMINISTRATIVE) Signage is available @ BCIT onlin	ne Inve	ntory	Guid	elines for nosting signs are available on ShareSnace

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#	Control Measure	Yes	No	NA	Provide Details (as per Directions)
17.	Posted: Physical distancing (2 m) sign(s) Item 1A	\boxtimes			Classrooms and hallways, on walls & A-frames
18.	Posted: Hand washing sign(s) Item 29B	\boxtimes			Signage over sinks
19.	Posted: Health screen sign(s) Item 3C	\boxtimes			At the main entrance, posted on building doors. Building entrance door on the 1st floor.
20.	Posted: Hand washing sink location sign(s) Item 14A	\boxtimes			Classrooms
21.	Posted: Hand sanitizing station location sign(s) Item 13A	\boxtimes			Classrooms and hallways
22.	Posted: Protect yourself sign(s) Item 21A	\boxtimes			Throughout the campus
23.	Posted: Occupancy limit of this room sign(s) Item 37A	\boxtimes			On classrooms doors
24.	Posted: Other signs	\boxtimes			Please list:
	5				BCIT Flu Poster 2020_self print
					Closed Sign for BMC-134 and BMC-234 doors
					Two Way Traffic Sign
					Masks are required to be worn in all indoor public spaces
					Please keep door open to minimize touch points
ORIE	NTATION AND TRAINING (ADMINISTRATIVE)				
25.	Routine safety discussions held to review control measures and	\boxtimes			 Safety discussions held during safety inspections, senior staff
	safety protocols.				huddles, departmental team meetings, townhalls, Ops meetings and
					JOHSC meetings.
					 Safety reminders provided by Management and Department Heads
26	All students have considered the suffice COVID 40.5.				to staff and faculty, verbally and electronically. How will compliance be checked:
26.	All students have completed the online COVID-19 Pandemic On-	\boxtimes			, and the second
	<u>Campus Guidelines</u> training.				All students will send certificate of course completion to the BMC Program
					Assistants. PAs will update Faculty member with the status on the course
					completion. On the first day of the course, Faculty member will require students
					who missed sending the confirmation to provide the certificate or complete the
			<u> </u>	<u> </u>	course prior to entering the classroom.
27.	COVID-19 safety Site orientation for students has been				Procedure for orientation found here.
	developed and posted in the Learning Hub.				Student COVID-19 Orientation Checklist found <u>here</u> . Instructors will conduct the orientation onsite before class starts, scan a copy of
					the completed checklist to the Department Head, post it in the classroom and
					discard after course ends.



#	Control Measure	Yes	No	NA	Provide Details (as per Directions)
28.	All employees have completed the online BCIT Pandemic	\boxtimes			
	Exposure Control Plan Training.				
29.	All employees have completed the online OHS New Employee	\boxtimes			New and Returning Employee Orientation Checklist found <u>here</u> . Each employee to save
	Orientation module.				the checklist to their online OHS New Employee Orientation course. This course is
		ļ <u></u>			required to be completed by new employees and by employees working on campus.
30.	Other:			\boxtimes	
RULI	ES AND GUIDELINES (ADMINISTRATIVE)				
31.	All unnecessary and self-serve items have been removed from	\boxtimes			All supplies asked for prior to class and stocked at each workspace e.g. exam booklet,
	the spaces. e.g., pens, paper, etc.				scrap paper
32.	Doors that students are to use to enter and exit have been	\boxtimes			Signs or arrows on the floor
	clearly identified.				Keep door open to entrance/exit doors to minimize the number of frequently
					touched surfaces. BMC-134 and BMC-234 doors are to be kept locked. Signages
					posted on classroom doors.
33.	Handouts, papers, and items are not physically provided to	\boxtimes			If items are provided, they are cleaned between student use or disposed, or other control
	students.				measures are in place – Describe:
					Items not physically provided to students. Required exam papers and other
					materials are distributed (face down), prior to students entering the classroom.
					Students will leave completed examination paper(s) in the open drop box at the exit door BMC-110, BMC-132, BMC-232, and BMC-210. Faculty
					member/Invigilator to pick up the exam paper for marking; gloves are available
					for PPE.
34.	Students have dedicated tools/equipment, e.g., items are not	\square			1011112.
•	shared between students.				
35.	If cleaning common touch points or tools/equipment not	\boxtimes			Explain:
	practical, then it is identified when hands are washed/sanitized				
	before and after use.				
36.	Work spaces/stations are dedicated for an individual or group	\boxtimes			
	use and not shared with others.				
37.	Single-use (disposable) products are used where feasible.	\boxtimes			
38.	Measures are in place to accommodate student sick at home.	\boxtimes			Accommodation plan:
					Department Head coordinates student accommodation.
39.	Procedures in place to screen students on a daily basis.	\boxtimes			The <u>health screen</u> sign (Item 3C, BCIT online inventory, EOC approved signage) 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.



#	Control Measure	Yes	No	NA	Provide Details (as per Directions)
40.	There is a procedure in place if a student or employee becomes ill on campus.	\boxtimes			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.
41.	There are procedures in place if a student or employee travels before coming to campus, or has been in close contact with someone who has tested positive for COVID-19.				Refer to the <u>COVID-19 Pandemic Scenario Response Plan</u> for more information. Confirm if the person is aware of self-isolation <u>requirements</u> and <u>protocols</u> .
42.	Provisions made for students to maintain same lab/class cohort throughout the Term.	\boxtimes			
43.	Other:				Communication tool sent to students prior to an exam: Faculty, please forward the communication below (in red), and the attachments, to your class prior to the exam: STUDENTS Hello, everyone! We count on your support to have a safe onsite exam. As a reminder: the exam takes place in [BMC-110/BMC-132/BMC-134]. Please study the documents attached and instructions below: • Stay home if you are feeling unwell (COVID19/cold/allergies. Symptoms: fever, coughing, sneezing, itchy eyes, etc.) Those students will be given the opportunity to write the exam at another available date. • Wash (min 20 sec)/sanitize hands before and after the exam. • Avoid touching your face. • Line up at the classroom entrance, maintain 2 m physical distancing, and follow the marked signs. Faculty/Invigilator will direct you to your seats. Wear your face masks at all times. • Have your own pen/pencil to write the exam. Spare pens/pencils will not be available. • Do NOT move any furniture, they are spaced out by 2 metres. • Leave unused papers on your desk • Leave the exam paper(s) in the box at the exit from [BMC-110, BMC-132, BMC-232]. Thank you and all the best with the exam,



#	Control Measure	Yes	No	NA	Provide Details (as per Directions)
PERS	SONAL PROTECTIVE EQUIPMENT (PPE). Refer to the PPE F	lowcha	art to d	leterm	ine what PPE is required for COVID-19 purposes.
44.	Appropriate PPE for the hazards of employee and student tasks are available to be provided (non-COVID-19 related ppe).			\boxtimes	List the ppe and tasks/activities it is required for, and provide the quantity and unit of measure, if applicable (e.g. 2 boxes of 20 each box): No hazardous materials related to courses
45.	Training is provided for the above PPE to students and employees.				
46.	Appropriate PPE for COVID-19 is available to be provided to students and employees. Supply requests emailed to ppe@bcit.ca.	⊠			Based on circumstances allowed for in the BCIT COVID-19 Go-Forward Plan, Risk Assessment Matrix Summary. 2 metre physical distancing is the primary control measure. Face mask and face shield available when 2 metre physical distancing cannot be maintained. WorkSafe infographic placed next to the PPE provides proper use of face mask. List PPE and tasks/activities required for and provide the quantity and unit of measure, if applicable (e.g. 2 boxes of 20 each box): • free-standing barriers, per layout plan • X1 box of Gloves – Size L, 1 box of Gloves – Size M, X1 Hand Sanitizer 500 ml bottle, X1 box of 50 Disposable Masks, X1 face shields 10-pack in each classroom. Supplies replenished, as needed.
47.	PPE safe <u>donning</u> , <u>doffing</u> , <u>disposal</u> , <u>and disinfecting instructional</u> materials are available for students and employees.				Post applicable signs in a visible location if ppe required. 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.
48.	Other:			\boxtimes	
CLEA	ANING				
49.	Facilities is aware of the cleaning needs for the area. Facilities work requests have been submitted.				Cleaning includes common touch points and appropriate frequency for the area. This includes high touch areas. Provide FCD work request number(s). Best custodial is required to clean and sanitize equipment/surfaces (e.g. desk, chair, keyboard, mouse, charts) after the class but before the next class. Cleaning & disinfecting products should be chosen out of approved and listed on the Health Canada website.

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#	Control Measure	Yes	No	NA	Provide Details (as per Directions)
					Communication tool for custodial cleaning is posted on the classroom door.
					BMC-
					Course/Program
					Instructor's name
					Number of students
					Disinfection required before 8:30 am & after 4:00 pm
					00/00/20 (initials)
					00/00/20 (initials)
					00/00/20 (initials)
					00/00/20 (initials)
					00/00/20 (initials)
					Required washroom
50.	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:
					What ppe is required:
					Best custodial to perform cleaning duties. Refer to item 49.
51.	Assessment of sufficient number of hand wash stations	\boxtimes		П	Consider time it will take for hand washing to take place, to determine what is e.a.
	conducted, and an appropriate number of handwashing stations				sufficient number of hand wash stations. Some areas find a ratio of 8:1, students to sink,
	are available				effective. The minimum amount of hand washing required is once before class starts,
F2	Heading has a hotion (a) at a lead a sail, a second and have home				after class ends and before and after breaks. Sink Location: BMC-111, 112, 113, 117, 216, 217, 259
52.	Handwashing station(s), stocked, easily accessed, and have been identified to students and employees.	\boxtimes			Stocked with soap Y \boxtimes N \square paper towel Y \boxtimes N \square
	, ,				ABHS (Alcohol-Based Hand Sanitizer): Location(s)all classrooms/labs
53.	Hand sanitizing station(s), stocked, and have been identified to students and employees.	\boxtimes			ABHS (Alconor-Basea Hana Sunitizer): Location(s)aii classrooms/labs
	students and employees.				Will hand sanitizer be refilled by department: Y $oxtimes$ N $oxtimes$
					BEST custodial refills hand sanitizer bottles.
54.	All Safety Data Sheets (SDS) and cleaning procedures used are			\boxtimes	If not, describe:
	found <u>here</u> .				
55.	The area(s) have been decluttered so that cleaning is simplified.	\boxtimes			
56.	Barrier cleaning process has been arranged if the barrier(s) could	\boxtimes			Barriers can become contaminate if they are a touch point or if the contaminated with
	become contaminated.				droplets by e.g. coughing or sneezing.
l			I	I	Best custodial to perform cleaning duties. Refer to item 49.



#	Control Measure	Yes	No	NA	Provide Details (as per Directions)
57.	Common touch points and tools/equipment that must be shared are identified and cleaned between students and classes.				Cleaning/sanitizing procedures for common touch points and shared items are posted e.g. shared machinery, equipment, tools, etc. Identify who will clean and how often (e.g. staff and/or students): Best custodial to perform cleaning duties. Refer to item 49. Students sanitize their hands before and after use of their work stations.
58.	Storage space for personal articles have been identified and are cleaned regularly.			\boxtimes	Lockers will not be provided
59.	Other:	\boxtimes			Approved GFP exp May 31 2021\Exam Writing Pandemic Procedure at BMC (2).docx Approved GFP exp May 31 2021\SOP – COVID 19 Exam Marking Procedure.docx
AUD	IT AND CONTINUOUS IMPROVEMENT				
60.	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? BMC management, faculty, and support staff will conduct regular inspections once a week.
61.	<u>Audits of inspections</u> are planned to ensure that control measures continue to be effective.	\boxtimes			Who conduct the audits and how often? BMC JOSHC members to conduct the audits periodically.

APPROVAL

All COVID-19 risk control measures for this campus activity are in place.							
Manager	Name Philip McCarter	Position Associate Dean	Date February 26, 2021				
EOC	Name Glen Magel	Position EOC Director	Date March 30, 2021				

REVISION APPROVAL (if applicable)

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



500	Name	Position	Date
EOC			

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Appendix 1

MC01-223 (capacity 8)

Notes: This classroom can accommodate 8 students plus one or more instructors.

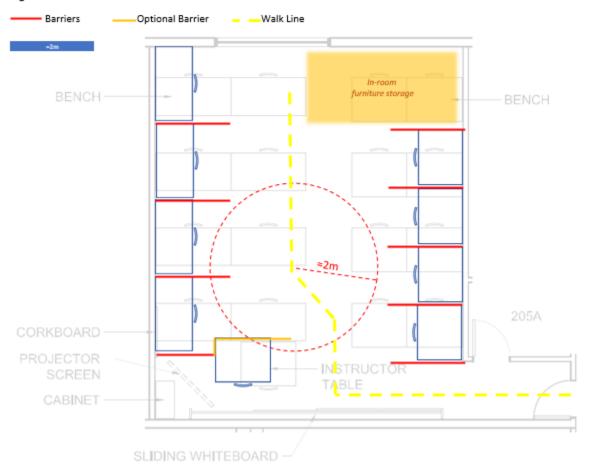
Legend: Barrier



MC01-205

Notes: This classroom can accommodate 8 physically distanced students with the addition of noted barriers. Instructor required to vacate seat when students enter or exit, or installation of barriers required (as noted). If furniture in room cannot be removed, it can be stored in situ.

Legend:





MC01-131

Notes: This classroom can accommodate 8 students plus one instructor, provided barriers are installed where noted.

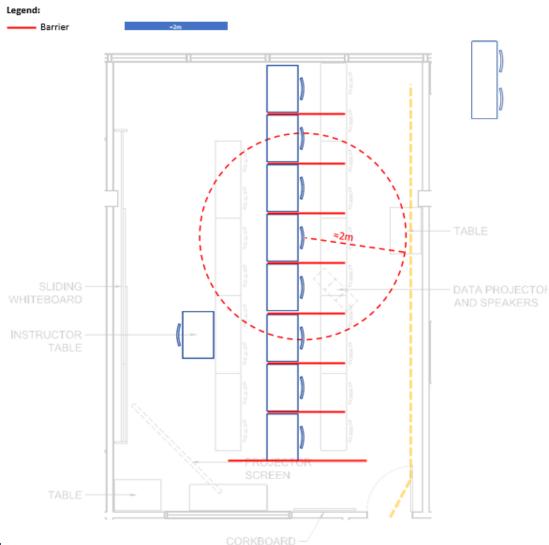
Legend: Barrier Recommended walk path ≈2m

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MC01-137

Notes: This classroom can accommodate 8 students plus one instructor, provided barriers are installed where noted. This layout requires swapping the predominant furniture style with single-seat desks, to enable barriers to be placed between stations.



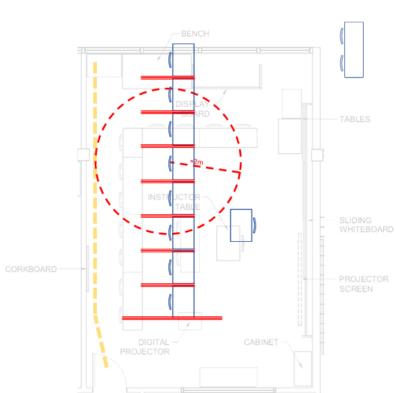


MC01-138

Notes: This classroom can accommodate 8 students plus one instructor, provided barriers are installed where noted. This layout requires swapping the predominant furniture style with singleseat desks, to enable barriers to be placed between stations.

Legend:





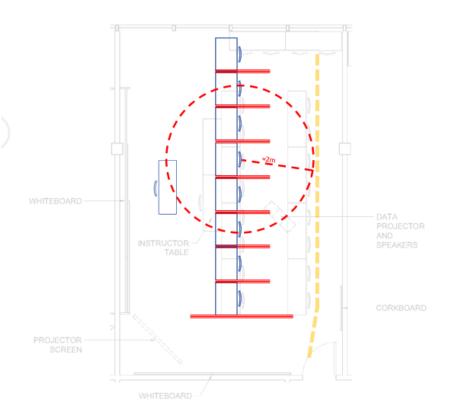


MC01-237

Notes: This classroom can accommodate 8 students plus one instructor, provided barriers are installed where noted. This layout requires swapping the predominant furniture style with singleseat desks, to enable barriers to be placed between stations.

Legend:





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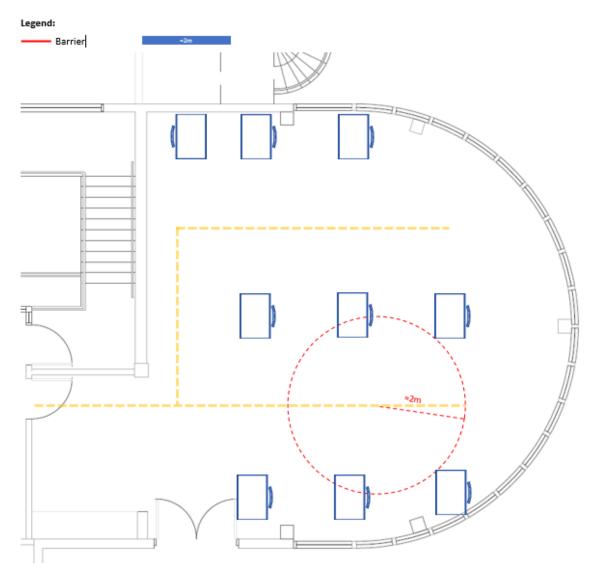


MC01-210 - Cafeteria as a Lecture/Test Space Notes: This cafeteria converted into a lecture/ test space can accommodate 15 students plus one instructor. However, sightlines may be obscured depending where a presentation screen were installed. Legend: Barrier



MC01-223 - Staff Lounge as lunchroom for staff

Notes: This staff lounge can accommodate 9 staff. Double doors on bottom of layout lead exterior and are not expected to be utilized for this use.



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