

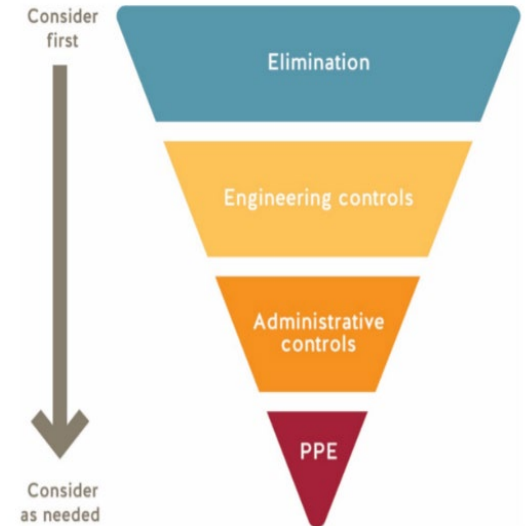


BCIT COVID-19 SAFETY PLAN ACADEMIC SPACES

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 [BCIT COVID-19 Go-Forward Plan](#) for additional information.

CONTACT INFORMATION

Course/Program Name:	CNC Machinist Technician Level 3 Afternoon Class 1:30-7pm		
Proportion of program offered on campus:	<i>Program total of 9 courses of which 7 courses have some 'on campus' activity</i>		
Start date:	03 May 2021	End date:	3 Dec 2021
Total # of students in program:	12	# of employees:	3
Anticipated # of students on campus daily when scheduled:	12	Anticipated # of employees on campus daily when scheduled:	2
Completed by:	Name Stefano Pettenon	Position Department Head	Date 25 Mar 2021
Replaces	RTC Safety Plan #:	18 (same as plan#297 except afternoon)	
	GFP Safety Plan #:		



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 <small>Floor Plans found here</small>	Type of Space <small>Include washrooms and breakout rooms</small>	Capacity <small>Current capacity due to COVID-19</small>
Burnaby / NW06	100	Machine shop	40
Burnaby / NW06	204,209	Washrooms	1
Burnaby / NW06	112	Simulator Lab	8 (7 students + 1 instructor)
Burnaby / NW06	114	Computer Lab	4
Burnaby / NW06	213	Simulator/Computer Lab	5 (4 students + 1 instructor)
Burnaby / NW06	216	Computer Lab	4
Burnaby / NW06	116	Measuring Lab	4

RATIONALE FOR ON-CAMPUS ACTIVITY



COVID-19 SAFETY PLAN ACADEMIC SPACES

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).

Some of the courses require practical projects performed on equipment only available in the BCIT machine shop. These practical projects are needed to evaluate our students learning objectives. These learning objectives cannot be adequately simulated in a virtual environment.

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 [BCIT COVID-19 Go-Forward Plan](#) 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.
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 [Risk Assessment Controls Guidance and Hierarchy of Controls](#). For assistance email ssemohs@bcit.ca.

#	Control Measure	Yes	No	NA	Details (as per Directions)
ELIMINATION					

COVID-19 SAFETY PLAN ACADEMIC SPACES

#	Control Measure	Yes	No	NA	Details (as per Directions)
1.	Room(s) set up to allow for 2 metres physical distancing during instruction and practice. Note: Contact returmtocampus@bcit.ca for room capacity and layout if needed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exceptions allowed as per BCIT COVID-19 Go-Forward Plan , Risk Matrix Summary (explain): Please see individual room plans for barriers where 2m distancing cannot be maintained.
2.	Demonstration, work and assessment stations are set-up to allow for 2 metres physical distancing.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exception allowed as per BCIT COVID-19 Go-Forward Plan , Risk Matrix Summary (explain): Work and assessment stations are set-up to allow 2-meter distancing. Due to the type of demonstrations 2 meters is not practical. Clear barriers will be used where possible or BCIT approved, disposable 3-layer masks, and safety glasses will be worn by everyone involved
3.	Identified area(s) where students wait outside of teaching space until allowed inside by instructor.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Student go directly to their assigned workstations
4.	Work has been scheduled to minimize numbers of individuals on campus at one time.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Program is offered in a blended learning environment to reduce the number of programs using the building concurrently to 2. The 2 classes are on opposite sides of the shop and use separate washrooms, and entry exit doors.
5.	In shared spaces, safety protocols have been put in place to reduce close contact between users.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Please see individual room plans for more detail.
6.	Movement within the room is identified, such as with directional arrows, for walkways and entrances/exits.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Signs or arrows on the floor identifying directions. Depending on the space, markings will be placed or walkways will be obvious due to position of barriers. In some spaces, students will be called into room in order so they can proceed to their workstations while maintaining social distance from other students. Students will be required to exit in sequential order to maintain social distance.
7.	Water fountains are put out of service, and only touchless water bottle filling station available.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Mobile fans have been removed or put out of service.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Washrooms have been identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If yes, Washroom occupancy limit: 1, identified in plan
8.	Break area(s) for student use have been identified.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If yes, what control measures are in place to maintain physical distancing? Occupancy Limit _____ If there is an occupancy limit, is sign posted? Y <input type="checkbox"/> N <input type="checkbox"/> Breaks are taken at their workstations or outside of NW06
9.	Break areas for employee use have been identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If yes, what control measures are in place to maintain physical distancing? Faculty will take breaks at their workspaces. These areas are covered under the Administrative Safety Plan. Occupancy Limit <u>4</u> _____ If there is an occupancy limit, is sign posted? Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
10.	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

ENGINEERING CONTROL MEASURES

COVID-19 SAFETY PLAN ACADEMIC SPACES

#	Control Measure	Yes	No	NA	Details (as per Directions)
11.	Barriers are implemented to separate work areas or walk ways, when physical distancing not practical.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Please see individual room plans for barriers where 2m distancing cannot be maintained.
12.	Barriers are stable and do not introduce other safety hazards, e.g. tripping.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13.	The impact on ventilation requirements have been considered if there's been a significant use change for the instructional space.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Complete a Facilities and Campus Development work requisition for assessment, as needed. The usage has not changed for any of the spaces.
	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
SIGNAGE (ADMINISTRATIVE) Signage is available @ BCIT online Inventory . Guidelines for posting signs are available on ShareSpace .					
13.	Posted: Physical distancing (2 m) sign(s) Item 1A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Posted
14.	Posted: Hand washing sign(s) Item 29B	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Posted
15.	Posted: Health screen sign(s) Item 3C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Posted
16.	Posted: Hand washing sink location sign(s) Item 14A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Posted
17.	Posted: Hand sanitizing station location sign(s) Item 13A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Posted
18.	Posted: Protect yourself sign(s) Item 21A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Posted
19.	Posted: Occupancy limit of this room sign(s) Item 37A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Posted
20.	Posted: Other signs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>Please list:</i>
ORIENTATION AND TRAINING (ADMINISTRATIVE)					
21.	Routine safety discussions held to review control measures and safety protocols.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Safety protocols will be reviewed with students at their hands-on lab session. Protocols reviewed bi-weekly.
22.	All students have completed the online COVID-19 Pandemic On-Campus Guidelines training.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>How will compliance be checked:</i> Reporting tool in the Employee Learning Hub. Instructor will check each student in the cohort prior to first lab period for that cohort using the Student OHS Site-Orientation Checklist
23.	COVID-19 safety Site orientation for students has been developed and posted in the Learning Hub.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Procedure for orientation found here. Student COVID-19 Orientation Checklist found here.</i>
24.	All employees have completed the online BCIT Pandemic Exposure Control Plan Training .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All regular faculty have completed the course. If temporary hires are required, their completion will be checked.
25.	All employees have completed the online OHS New Employee Orientation module .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>New and Returning Employee Orientation Checklist found here. Each employee to save the checklist to their online OHS New Employee Orientation course. This course is required to be completed by new employees and by employees working on campus.</i>

COVID-19 SAFETY PLAN ACADEMIC SPACES

#	Control Measure	Yes	No	NA	Details (as per Directions)
26.	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
RULES AND GUIDELINES (ADMINISTRATIVE)					
27.	All unnecessary and self-serve items have been removed from the spaces. <i>e.g., pens, paper, etc.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>All supplies asked for prior to class and stocked at each workspace</i>
28.	Doors that students are to use to enter and exit have been clearly identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Signs or arrows on the floor</i>
29.	Handouts, papers, and items are not physically provided to students.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>If items are provided, they are cleaned between student use or disposed, or other control measures are in place – Describe: Sealed in plastic bag and put aside for min. of 3 days. Hand sanitizing protocol prior to and after handling.</i>
30.	Students have dedicated tools/equipment, e.g., items are not shared between students.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Students have personal and assigned toolboxes with small tools. No sharing during a class session. For larger and/or more expensive equipment, students will be instructed to sanitize hands before and after use where cleaning is impractical between use.
31.	If cleaning common touch points or tools/equipment not practical, then it is identified when hands are washed/sanitized before and after use.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Explain: Signs displayed with hands washed/sanitized before and after use.</i>
32.	Work spaces/stations are dedicated for an individual or group use and not shared with others.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No sharing during a class session. All equipment to be cleaned between sessions where practical or students will be instructed to sanitize before and after use.
33.	Single-use (disposable) products are used where feasible.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gloves will be single use. None of the equipment is single use/disposable.
34.	Measures are in place to accommodate student sick at home.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Accommodation plan: Students who miss a lab will be given an alternate assignment or allowed to make up the lab at a later date.</i>
35.	Procedures in place to screen students on a daily basis.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>The health screen poster is available for reference and is posted on building doors. Students and employees are expected to self assess daily, and the BCCDC self-assessment tool can be used to support this.</i>
36.	There is a procedure in place if a student or employee becomes ill on campus.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Refer to the COVID-19 Pandemic Scenario Response Plan 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.</i>
37.	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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Refer to the COVID-19 Pandemic Scenario Response Plan for more information. Confirm if the person is aware of self-isolation requirements and protocols.</i>
38.	Provisions made for students to maintain same lab/class cohort throughout the Term.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Programs consist of a single cohort.
39.	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

COVID-19 SAFETY PLAN ACADEMIC SPACES

#	Control Measure	Yes	No	NA	Details (as per Directions)
PERSONAL PROTECTIVE EQUIPMENT (PPE). Refer to the PPE Flowchart to determine what PPE is required for COVID-19 purposes.					
40.	Appropriate PPE for the hazards of employee and student tasks are available to be provided (non-COVID-19 related ppe).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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): Appropriate non-COVID PPE for the lab spaces and activities are unchanged from pre-COVID PPE requirements.
41.	Training is provided for the above PPE to students and employees.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Donning and Doffing poster posted in the shop
42.	Appropriate PPE for COVID-19 is available to be provided to students and employees. Supply requests emailed to ppe@bcit.ca .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Based on circumstances allowed for in the BCIT COVID-19 Go-Forward Plan , Risk Assessment Matrix Summary. (10 weeks on campus, 12 students) Nitrile gloves-24 boxes (100 per box) 3-layer disposable mask- 24 boxes (50 per box) Spray Nine 2 bottles Oxivir Wipes- 12 canisters Oxivir Spray- 6 bottles Hand Sanitizer 1 (3.78L jugs, 4pack) Most of the COVID-related PPE consists of hand sanitizer and/or sanitizing wipes near or at shared equipment. This has been ordered. Gloves and masks have been ordered to supply the rooms identified that will need them.
43.	PPE safe donning, doffing, disposal, and disinfecting instructional materials are available for students and employees.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Post applicable signs in a visible location if ppe required. Use the Student Orientation checklist to assist orientation/training by instructors. Use the OHS Employee Orientation checklist to assist orientation/training by their supervisors.
44.	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEANING					
45.	Facilities is aware of the cleaning needs for the area. Facilities work requests have been submitted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaning includes common touch points and appropriate frequency for the area. This includes high touch areas. Provide FCD work request number(s). Work request 1456563 for CLEANING - NW06-01- has been submitted
46.	Training will be provided to faculty and students performing cleaning duties and cleaning materials have been provided.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaning Standard Operating Procedures have been located here . What are the cleaning products/materials: Oxivir spray and wipes, Spray Nine, EP66 and Isopropanol Alcohol min 70% What ppe is required: Safety glasses, Nitrile gloves
47.	Assessment of sufficient number of hand wash stations conducted, and an appropriate number of handwashing stations are available	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consider time it will take for hand washing to take place, to determine what is e.a. sufficient number of hand wash stations. Some areas find a ratio of 8:1, students to sink, effective. The minimum amount of hand washing required is once before class starts, after class ends and before and after breaks.

COVID-19 SAFETY PLAN ACADEMIC SPACES

#	Control Measure	Yes	No	NA	Details (as per Directions)
48.	Handwashing station(s), stocked, easily accessed, and have been identified to students and employees.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Sink Location:</i> <u>See individual room plans</u> <i>Stocked with soap</i> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> <i>paper towel</i> Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
49.	Hand sanitizing station(s), stocked, and have been identified to students and employees.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ABHS (Alcohol-Based Hand Sanitizer): <i>Location(s)</i> _____ Hand sanitizer will be available in all spaces, even when sinks are present, in order to minimize student travel through the space. Hand sanitizer will be available at or near all shared equipment. Where students are working at individual stations, sanitizer will be made available at each station where students and instructors may need to sanitize before and after touching shared equipment e.g. when the instructor has to touch student work or tools to demonstrate technique <i>Will hand sanitizer be refilled by department:</i> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> <i>If No, describe:</i> Hand pumps will be used and replenished with either new bottles or refilled when empty. Usage will be monitored so supplies can be replenished as needed.
50.	All Safety Data Sheets (SDS) and cleaning procedures used are found here .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>If not, describe:</i>
51.	The area(s) have been decluttered so that cleaning is simplified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
52.	Barrier cleaning process has been arranged if the barrier(s) could become contaminated.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Barriers can become contaminate if they are a touch point or if the contaminated with droplets by e.g. coughing or sneezing. Our barriers are not high touch points</i>
53.	Common touch points and tools/equipment that must be shared are identified and cleaned between students and classes.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>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):</i> Varies by space. In some cases, students will clean benches or shared equipment. In other spaces, facilities work requests have been submitted for between-class cleaning. Due to the quantity and variety of large, fixed equipment, it is impractical to clean the equipment between students so students will be required to sanitize before and after using the equipment. In some situations, students will be required to wipe down the equipment before and after use using provided disinfecting wipes
54.	Storage space for personal articles have been identified and are cleaned regularly.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>Who will clean:</i> Students will clean and disinfect area if shared between classes <i>Where is the storage:</i> In the lab areas, the students will be assigned a bench for their own use and there will be space available at the bench for storage of their personal equipment.



COVID-19 SAFETY PLAN ACADEMIC SPACES

#	Control Measure	Yes	No	NA	Details (as per Directions)
55.	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
AUDIT AND CONTINUOUS IMPROVEMENT					
56.	There is a plan to conduct regular inspections of all control measures and safety protocols to ensure they are in place.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ensure this COVID-19 Safety Plan is posted. Who will conduct these inspections and how often? Department head or delegate to conduct weekly
57.	Audits of inspections are planned to ensure that control measures continue to be effective.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Who conduct the audits and how often? Associate dean or delegate to conduct monthly

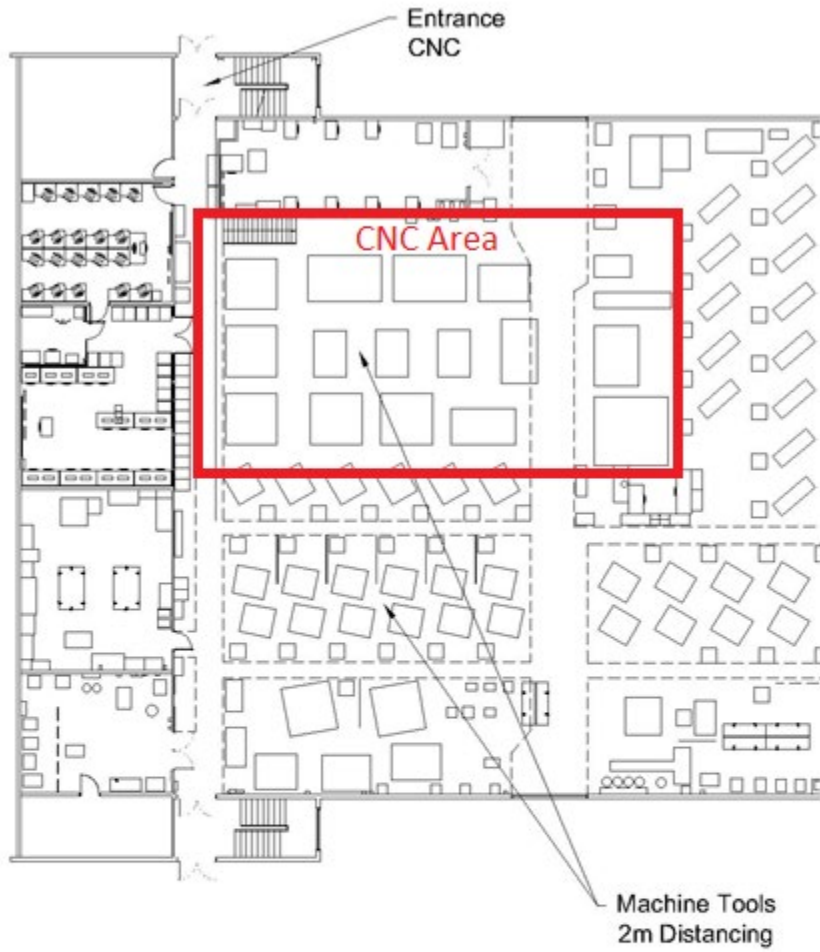
APPROVAL

All COVID-19 risk control measures for this campus activity are in place.			
Manager	Name Paul Morrison	Position Associate Dean	Date 2021/03/25
EOC	Name <i>Glen Magel</i>	Position EOC Director	Date April 14, 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

COVID-19 SAFETY PLAN ACADEMIC SPACES



Building	Room	Typical Cap.	Physical Distance Cap.
NW06	100	52	40

COVID-19 SAFETY PLAN ACADEMIC SPACES

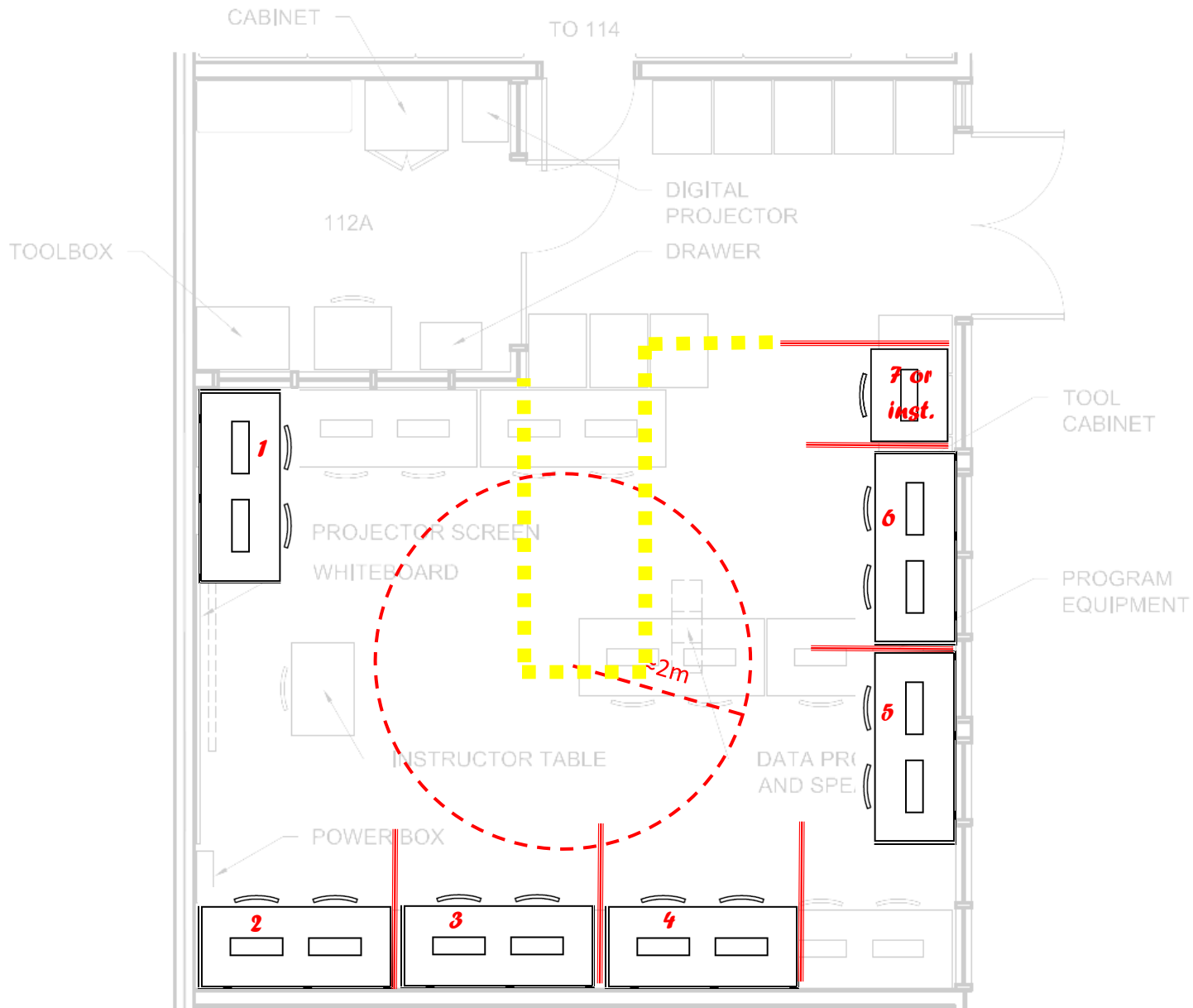
Machinist: NW06-112 (Alternate Layout)

The Simulator Lab has been reconfigured to accommodate up to 6 students plus one instructor, or 7 students without instructor station, with physical distancing augmented with the installation of barriers. This layout also includes a demarcated floor pathway which indicates a physical distance from all seated users.

Room Occupancy 8

Legend:

— Barrier (acrylic or other style panel)



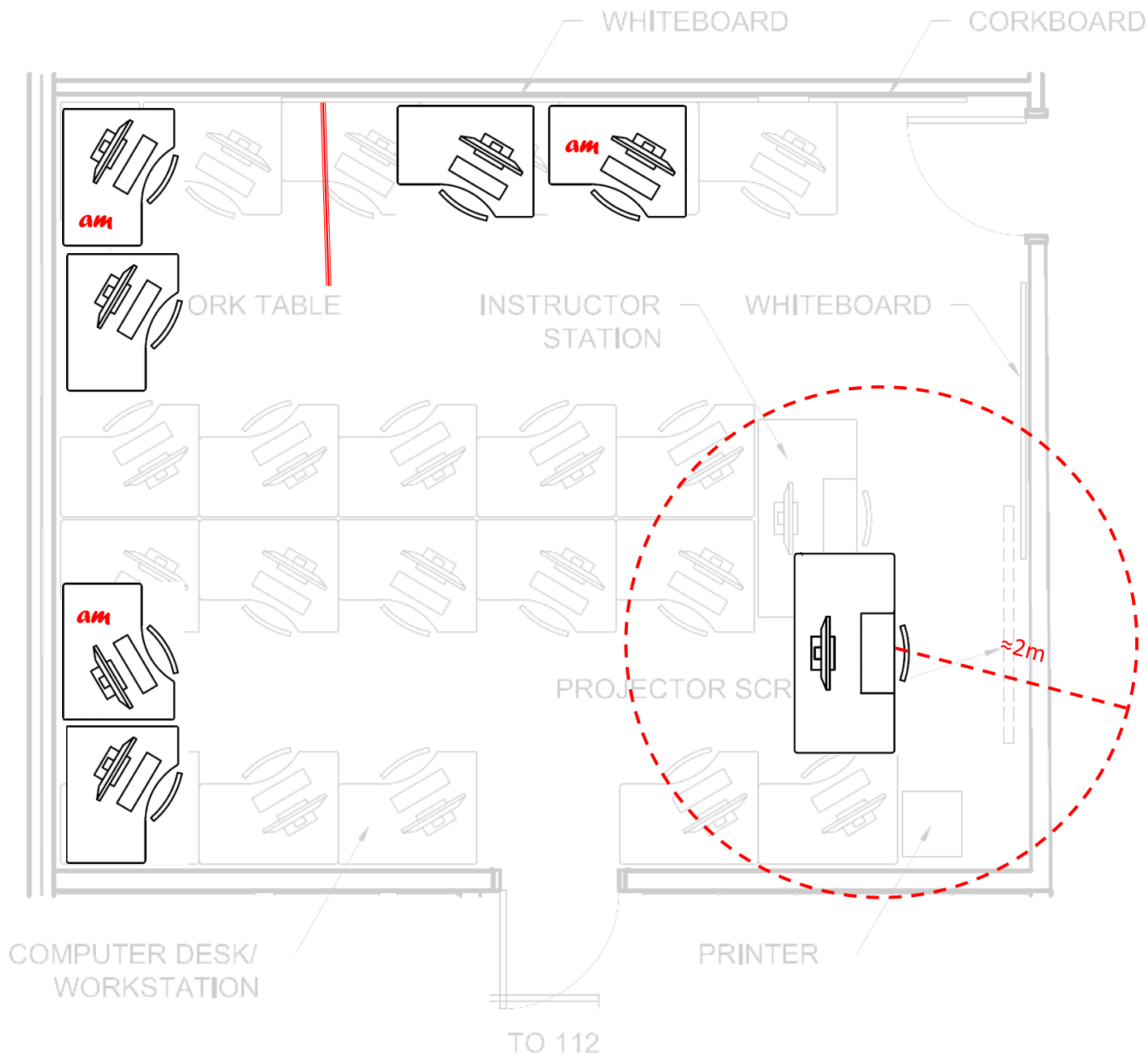
Machinist: NW06-114

3 students plus 1 instructor, AM students and PM students do not overlap

Room Occupancy 4

Legend:

— Barrier (clear poly plastic sheeting)



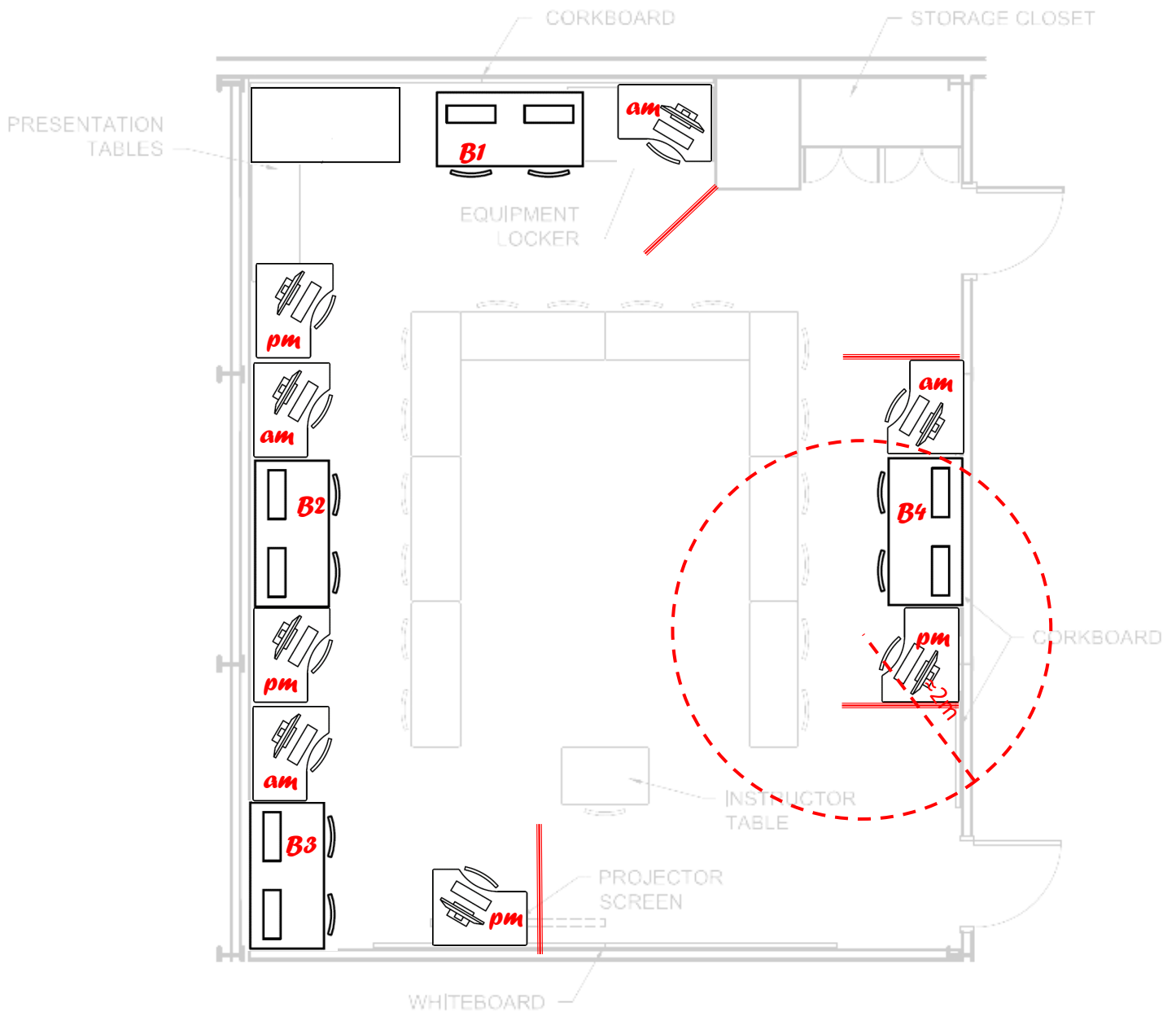
Machinist: NW06-213

This previous standard lecture style classroom has been reconfigured to a dual-purpose lab. The bench lab capacity is 4 benches (indicated by B1-B4), in a physically distanced configuration. The computer lab capacity is 8 computer stations, to be used by 4 students in the AM, and 4 students in the PM. The AM and PM classes do not overlap

Room Occupancy 5

Legend:

Barrier (welding curtain)




COVID-19 SAFETY PLAN ACADEMIC SPACES

Machinist: NW06-216 Room Occupancy 4

This classroom will be converted to a computer lab, which can accommodate a capacity of 6 students, provided barriers are installed between computer stations. However, the program will only use every second computer station for the AM shift of students, and every second computer for the PM shift of students – there will not be overlap between these two student groups, thus negating the need for barrier installations. If this concept changes, barriers would be required. With the current configuration (without barriers), the capacity of this space is 3 students + 1 instructor.

Legend:

 Barrier (acrylic or similar)

