Faculty of Applied Science

COVID-19 Parent Plan

This plan reviews operational activities in the Applied Science workspaces to ensure effective controls are in place to prevent the transmission of COVID-19. Management and supervisory staff are responsible for developing and updating this document to meet current government mandated requirements.

https://covid19.ubc.ca/

Faculty of Applied Science

Facility Location

See Appendix A for all buildings and departments

Proposed Re-opening Date

August 10th

Workspace Location

See Appendix A for all buildings and departments

Introduction to Your Operation

1. Scope and Rationale for Opening

The research and teaching mission in the Faculty of Applied Science requires access to specialized equipment and laboratories on campus at UBC. Lack of access to specialized equipment and laboratories during the COVID-19 shutdown is having a significant impact on graduation times, grant-mandated project completion, career progression, teaching preparation, and lecture delivery.

Each of the units within the Faculty of Applied Science will open only those buildings and facilities that are necessary to conduct on-site work. This includes, but is not limited to, research and teaching laboratories, teaching facilities, instrument facilities and other support facilities.

The initial Return to Research (R2R) Stage 1 mandated a cap of 33% (or 1/3) of occupancy which accommodated physical distancing protocols. The gradual yet wider Return to Campus (R2C) to support additional essential operations in support of research and teaching is triggering a revised and increased building and/or room capacity of 66% (or 2/3) of total occupancy which accommodates physical distancing protocols. Stage 3 is 100% occupancy which accommodates physical distancing protocols. Each workspace, room, lab, office, etc. is unique and requires its own consideration. The timing of these stages is fluid and will align with provincial guidance.

The Faculty of Applied Science’s plan for R2C is to support instructional and teaching needs for the Fall Term 1 including essential technical and administrative staff. It is also to support students coming back for clubs, design teams, Co-op, and necessary field trips. In R2C, the Faculty of Applied Science also considers primary care givers or others disproportionately affected during the shutdown.

The approval process is succinctly described below. See Appendix B for our understanding of the approval process in a user-friendly flow chart for Intermediate and Child plans.
The Dean must approve the APSC Parent Plan (herein) prior to final completeness review by the COVID-19 Safety Planning Steering Committee, who may further recommend improvements as required, to meet completeness as per UBC and WorkSafeBC requirements. It is understood that the UBC Executive will make the final recommendation to the UBC President for approval to proceed with gradual campus re-occupancy for the Faculty in accordance with the Parent Plan.

The Faculty of Applied Science occupies 33 buildings across UBC campus. Often many of these buildings are shared spaces between multiple occupants both internal to the Faculty and external (other Faculties/Units/etc.). Building Safety Plans (BSP) were established in Return to Research Stage 1 to centralize information, and ensure clarity and accuracy among shared facility occupants. These BSPs were focused on main egresses, traffic flows, physical distancing measures in shared areas, to inform occupants of changes in the buildings. As we move into Stage 2 and a wider Return to Campus, BSPs will be maintained as stand-alone documents for buildings which are shared among occupants, to be referenced in their Department/School/Unit’s Intermediate Plans. For those buildings which have Building Safety Plans which are easily transformable into Intermediate Plans, this will be done instead. For example, the Faculty’s School of Architecture & Landscape Architecture (SALA) occupies 7 buildings across campus. Their Intermediate Plan will reference the BSPs of the 7 relevant buildings as transforming them into one Intermediate Plan would be a challenge. Alternatively, the School of Community and Regional Planning will be easily be able to transform their BSP into an Intermediate Plan for their unit as they only occupy 1 building on campus.

Each Department/School/Unit will have Intermediate Plan (IP) referencing relevant approved BSPs, and each specific operation within the Department/School/Unit will have a Child Plan unique to each work space.

For IPs, prior to higher re-occupancy, each Department/School/Unit will use the relevant safety plan template provided by Safety and Risk Services and will reference any/all existing relevant BSPs accordingly. The IP will be written in collaboration with any relevant shared facility stakeholders; these will be reviewed and approved by the respective Department Heads/School Directors. The IP will be reviewed and approved by the Return To Campus Committee (RTCC) before submission to the Safety and Risk Services (SRS). Only the high-risk (for potential COVID-19 transmission) Intermediate & Child Plans will be reviewed by the Steering Committee and Executive after directive from SRS.

For Child Plans (workspace specific plans), prior to higher re-occupancy, each Supervisor/Manager has or will draft a safety plan for their specific operation that will be reviewed and approved by the respective Department Head/School Director. Only the high-risk (for potential COVID-19 transmission) activities will be reviewed by the RTCC prior to submission to the SRS, and then to the Steering Committee and Executive, where appropriate.

*Please note: Special considerations may be made for the School of Nursing which has been considered essential service since the start of COVID-19. As such they have worked with the B.C.’s Public Health Office, Ministry of Health and Vancouver Coastal Health (who oversees the UBC Hospital site) in developing their plans.
### Section #1 – Regulatory Context

2. Federal Guidance

3. Provincial and Sector-Specific Guidance
   - BC’s Restart Plan: “Next Steps to move BC through the pandemic”
   - Thrive BC Self-Assessment Tool

4. WorkSafeBC Guidance
   - COVID-19 and returning to safe operation – Stage 2
   - WorkSafe COVID-19 Safety Plan
   - WorkSafe: Designing Effective Barriers
   - WorkSafe: Entry Check for Workers
   - WorkSafe: Entry Check for Visitors

5. UBC Guidance
   - UBC Employee COVID-19 PPE Guidance
   - UBC Employees COVID-19 Essential In-person Meetings/Trainings Guidance
   - UBC Employee COVID-19 Physical Distancing Guidance
   - COVID-19 Safety Plan for General Teaching Spaces
   - UBC Employee COVID-19 Use of UBC Vehicles
   - Ordering Critical Personal Protective Equipment
   - Building Operations Notice – COVID-19 Custodial Considerations
   - Preventing COVID-19 Infection in the Workplace

6. Professional/Industry Associations
   - None

### Section #2 - Risk Assessment

As an employer, UBC has been working diligently to follow the guidance of federal and provincial authorities in implementing risk mitigation measures to keep the risk of exposure as low as reasonably achievable. This is most evident in the essential service areas that have remained open on campus to support the institution through these unprecedented times. These areas have been very active with respect to identifying and mitigating risks, and further re-evaluating the controls in place using the following risk assessment process.

Prior to opening or increasing staff levels:
Where your organization belongs to a sector that is permitted to open, but specific guidance as to activities under that sector are lacking, you can use the following risk assessment approach to determine activity level risk by identifying both your organization’s or activity’s contact intensity and contact number, as defined below:

1. What is the contact intensity in your setting pre-mitigation – the type of contact (close/distant) and duration of contact (brief/prolonged)?
2. What is the number of contacts in your setting – the number of people present in the setting at the same time? As a result of the mass gatherings order, over 50 will fall into the high risk.

One or more steps under the following controls can be taken to further reduce the risk, including:

- Physical distancing measures – measures to reduce the density of people
- Engineering controls – physical barriers (like Plexiglas or stanchions to delineate space) or increased ventilation
- Administrative controls – clear rules and guidelines
- Personal protective equipment – like the use of respiratory protection

### 7. Contact Density (Proposed COVID-19 Operations)
Describe the type of contact (close/distant) and duration of the contact (brief/prolonged) under COVID operations - where do people congregate; what job tasks require close proximity; what surfaces are touched often; what tools, machinery, and equipment do people come into contact with during work

- In R2R Stage 1, the number of people in buildings and labs was reduced to about 1/3 of normal occupancy in order to limit contacts between people in lab spaces and in common spaces to achieve a safe operation. Individual supervisors/managers assigned room occupancy (vetted by the Department Head/School Director) to ensure that physical spacing is possible at all times. If a job or task required close proximity, the supervisor/manager considered other measures including PPE in order to mitigate risks in accordance with UBC guidance on COVID-19.
- In R2R Stage 2 and the wider R2C plan, the building/space capacity will increase to about 2/3 of occupancy to enable more people to return to on-campus work, provided the established protocols herein and current provincial guidance can be met.
- Supervisors/managers are responsible for ensuring that their staff are trained in appropriate cleaning protocols for their work space, including cleaning high contact surfaces, benches, shared equipment, doorknobs and other common areas within their workspaces.

### 8. Contact Number (Proposed COVID-19 Operations)
Describe the number of contacts in your proposed COVID-19 operational setting (# of people present in setting at same time)

- As mentioned above, in R2R Stage 2 and the R2C plan, the number of people in the building will be increased to about 2/3 of occupancy which accommodates physical distancing protocols. Physical distancing must be enforced and rooms must not exceed the posted maximum occupancy. To avoid risks associated with working alone, high risk work areas will have at least two people provided that there is sufficient space to allow for physical distancing and/or will implement other work alone protocols.
- A master list of people allowed to each building within APSC Faculty will be updated to reflect the numbers of individuals who are approved to return from the previous return to research stage 1 and new return to campus child plans. This will be stored on SharePoint and updated by the LST member of each department.

9. Employee Input/Involvement
Detail how you have met the MANDATORY requirement to involve frontline workers, Joint Occupational Health and Safety Committees, and Supervisors in identifying risks and protocols as part of this plan

The Faculty of Applied Science’s RTCC formalized and approved the Parent Plan document. The committee’s members include representatives from the Dean’s Office, the Departmental administration, and representatives from the Joint Occupational Health and Safety Committee.

- Formal JOHSC review of this Parent Plan, or modifications/amendments to this Parent Plan, will occur within 30 days of UBC Executive’s approval.
  - The Parent Plan will be reviewed at the August 12 meeting
- Expectations of workers is outlined in Appendix D and will be emphasized during the communication of this Parent Plan.

10. Worker Health
Detail how all Supervisors have been notified on appropriate Workplace Health measures and support available and how they will communicate these to employees

All Supervisors/Managers have been informed on appropriate Workplace Health measures and supports for staff mental and physical health to be made available as they return to campus. Check in’s and supports will also be made available via the following channels:

- Weekly team meetings (virtual)
- Team email broadcasts
- One-on-one meetings with direct supervisors
- JOHSC meetings & communications
- LST communications

Supervisors are also encouraged to disseminate information from UBC Wellbeing.

11. Plan Publication
Describe how you will publish your plan ONLINE and post in HARD COPY at your workplace for employees and for others that may need to attend site
Final plans will be posted to the following: Faculty-level website and Faculty level SharePoint site, JOHSC website, and individual Departmental/School/Unit websites. Additionally, hardcopies will be posted on Health and Safety boards and in the main Departmental/School offices as all returning workers must have access to the plans, either physical or online.

Section #3 – Hazard Elimination or Physical Distancing
Coronavirus is transmitted through contaminated droplets that are spread by coughing or sneezing, or by contact with contaminated hands, surfaces or objects. UBC’s goal is to minimize COVID-19 transmission by following the safety hierarchy of controls in eliminating this risk, as below.

The following general practices shall be applied for all UBC buildings and workspaces:
- Where possible, workers are instructed to work from home.
- Anybody who has travelled internationally, been in contact with a clinically confirmed case of COVID-19 or is experiencing “flu like” symptoms must stay at home.
- All staff are aware that they must maintain a physical distance of at least 2 meters from each other at all times
- Do not touch your eyes/nose/mouth with unwashed hands
- When you sneeze or cough, cover your mouth and nose with a disposable tissue or the crease of your elbow, and then wash your hands
- All staff are aware of proper handwashing and sanitizing procedures for their workspace
- Supervisors and managers must ensure large events/gatherings (> 50 people in a single space) are avoided
- All staff wearing non-medical masks are aware of the risks and limitations of the face covering they have chosen to wear or have been provided to protect against the transmission of COVID-19. See SRS website for further information.

12. Work from Home/Remote Work
Detail how/which workers can/will continue to work from home (WFH); this is required where it is feasible

- All work which can be done off-campus must continue to be done off-campus, i.e. data processing, writing manuscripts, writing grant proposals, preparing lecture materials, creating presentations, studying, ordering of supplies, online library research, computations, student services and administration, etc. should be done from home.
- Exceptions may be considered for cases where personnel do not have the possibility to work from home. Prioritization of activities will be determined by the Departmental/School, situationally identified by the Supervisor/Manager, and final approval granted by the Head/Director.
- UBC’s President’s Office presented the following five activities as top priorities:
  1. **Academic/Research resumption** Examples: Teaching, labs (instructional and research), research services, research field stations.
  2. **Services that directly support the resumption of research, teaching and learning**
     Examples: Shops, shipping/receiving, etc.
  3. **Revenue generating units** Example: Geering Up camps
  4. **University ancillary services** Example: Student services
  5. **Administrative units** Examples: Administrative offices
- Equity and mental health concerns for personnel who cannot work remotely will be considered and prioritized by the Departmental Head or School Director.
- Faculty teaching for whom conditions make it impossible to provide classes from home can apply to use their office for lectures; evaluation and approval determined by Department Head/Director.
- Faculty who require access to on-campus space to prepare materials for the Fall Term 1 (e.g. making videos for online course production) may be accommodated by the head/director where possible provided it will be done in a safe manner consistent with physical distancing requirements.
- undergraduate thesis students and undergraduate project students will not be allowed to return, unless specifically authorized by the Department Head/Director as the additional considerations around training, supervision and oversight of these students may pose challenges in meeting the physical distancing requirements.
- Office hours cannot be organized for stage 2, but may be considered for stage 3
- Everyone must continue to meet online whenever possible.
  - Small in-person meetings that are essential (e.g., training that cannot be completed online) will be permitted as long as physical distancing is maintained. This will require meeting participants to be spaced by at least 2 m in the classroom and meet all of the requirements outlined in the SRS UBC Employees COVID-19 Essential In-person Meetings/Trainings Guidance.
  - Units requesting to do this will be required to submit a plan for the space/rooms layouts for approval by Department Head/School Director.
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- Where exemptions have been given for a faculty or staff member to access their office, they must not have guests in the office during Stage 1 or Stage 2.
- Individual faculty members are responsible for developing plans for their own research spaces. These will be reviewed and approved by Department Heads/School Directors. Heads and Directors are encouraged to consult with their LST.
  - Amendments to R2R Stage 1 plans must be made to transition to R2R Stage 2 allowances for increased capacity.
- Non-essential business/research travel is not permitted at this time, but will be revisited in future Stages.
- Field work will be reviewed and approved on a case-by-case basis by the Department Head/School Director.

13. Work Schedule Changes/Creation of Work Pods or Crews or Cohorts
For those required/wanting to resume work at UBC, detail how you are able to rescheduling of workers (e.g. shifted start/end times) in order to limit contact intensity; describe how you may group employees semi-permanently to limit exposure, where necessary

To help with the decision of who are required/wanting to resume work at UBC, the Appendix C outlines the decision process as a reference document.

**Shift Work:** Each Department/School/Unit/etc.) will create a plan with regard to controlling access to their units. Units are expected to adhere to UBC rules for scheduling (M-F 7:00 am – 7:00 pm or M-F 7:00 am – 12:00 noon + 3:30 pm – 8:00 pm for shifts) to ensure custodial staff can clean required spaces. That said, any supervisor/manager wanting their personnel to work on a shift basis will need to make a request through their Department/School/Unit building administrator. It may not be possible to accommodate all requests. All personnel must abide by their Department/School/Unit’s working-alone policy with a safety plan to ensure that there are regular checks.

**Weekend Work:** In R2R and R2C, weekend work is allowed provided it does not conflict with custodial services. The individual Departments/Schools/Units are to ensure their building administrator/facility manager is informed of when weekend work is permitted and to confirm the custodians are given time and space to complete their work.

- It is recognized that a small number of researchers have scientifically justified research protocols that require sampling/observations/data collection over an extended period of time and beyond regular working hours. The researchers are to include these research protocols in their workspace plans for approval from their Department Head/School Director.
- The protocol for work between 8:00 pm – 7:00 am or on weekends and stat holidays will be as follows:
  1. The PI/Faculty member/supervisor must notify their Department Head/School Director and Building Administrator that there will be work continuing beyond the regular hours.
  2. Building administrators/facility managers should notify security ahead of the scheduled date regarding who will be working extended hours (including time, date,
and location) so that they can be given access if they forget or misplace their access card.

3. The PI/faculty member/supervisor will post notice on the door of their lab/office/workspace that late-night or weekend work is underway, indicating name(s) and working hours.

4. The PI/faculty member/supervisor will ensure Work Alone protocols are in place including the safety of their personnel leaving buildings during late-night hours.

**Medium-to-High Risk Work:** Where medium-to-high risk work is conducted (e.g. potentially hazardous laboratory experiments), one monitor (typically a faculty member, but may be another responsible person like a health and safety officer) should be present each day (9:00 am - 5:00 pm) and this should be broadcast to everyone in the unit. The monitor should be available in case of an emergency or other questions, and should help to ensure that the restrictions are being observed.

**Responsibilities:**
- Department/School/Units will maintain a schedule for and the contact information of responsible person present during every shift.
- Department/School/Units will ensure scheduling of shared rooms (via PI or office admin safety plans) is performed in each building.

### 14. Spatial Analysis: Occupancy limits, floor space, and traffic flows

Describe or use UBC building keyplans (or do both, where appropriate) to identify and list the rooms and maximum occupancy for each workspace/area, explaining your methodology for determining occupancy.

The Faculty of Applied Science is recommending all the units to use a QR code for check-in/out of the building in order to ensure the occupancy level is respected, the COVID-19 self-assessment is completed before entering a building and to provide traceability. It will consist of:

- One QR code for sign in: to capture name, date and time of the person going in the building and the self-assessment for COVID-19 symptoms will also be imbedded in this survey as well
- Another QR code for sign out which includes only name, date and time of the person going out the building *There may be reason for exemptions to accommodate systems for shared buildings.*
- Departments/Schools will complete compliance checks (can be random) to ensure the 2/3 occupancy is not exceeded.

Spatial analysis will be detailed in each building plans (Intermediate) developed by each unit. Considerations they should take into account is outlined below:

**Laboratory/Office Considerations**
Occupancy limits will also be posted on the door of each room by the PI or office administrator.

**Building/Facility Considerations**
Common areas (lunchrooms, lounges, study space, admin, teaching spaces, bathrooms, elevators)
- All rooms will be sign-posted with the maximum occupancy based on available floor space to allow for 2 m physical distancing
• Busy or tight stairwells must be marked for ascending or descending between floors (this will not apply in an emergency, such as a fire)
• Elevators should only be used for heavy loads and accessibility needs; limited to either 1 or 2 occupants, based on elevator size, with appropriate signage
• Place tape or markings on the ground to indicate where workers should stand while lining up to enter the elevator. Ensure adequate space is provided for those exiting the elevator
• Where kitchens or lunchrooms are open, a hand washing station (i.e. sink) must be available; Personnel must bring their own dishes.
• When common office machines or appliances are used (e.g., copier, microwave, refrigerator, kettles) they must be wiped down by the user with disinfectant prior to and following use.
• Chairs and desks in lunchrooms / lounges / study spaces / administration areas (e.g., main office) must be spaced far enough apart to allow for physical distancing
• Where possible, doors to multi-person washrooms should be propped open to minimize high touch surfaces and maximize air flow. Where possible, only one person should use the washroom at a time. Occupied/unoccupied door signage should be used or light on/off system must be indicated.
• Main offices may be open where necessary to support research and teaching, but the number of people working should be very limited (and with physical distancing). Limit the number of people that enter the main office so that physical distancing is maintained.
• Where a feature/service leads to formation of a line-up (e.g., coffee machine, machine shops, access to Stores), markings spaced 2 m apart should be on the floor.
• Individuals choosing to wear non-medical face masks or face coverings in common areas or labs must understand the risks and limitations of such masks, and that they don’t replace physical distancing. UBC Safety and Risk Services (SRS) states that: “Departments or units that choose to provide non-medical masks or face coverings to UBC Members (faculty, staff or students) must inform the recipients of the risks and limitations of non-medical mask usage.”

Points of Access to Building and Access Control
• Access to the buildings is provided using key cards and the buildings will remain locked until further notice. The now designated ‘exit doors only’ should have their fob deactivated by UBC Secure Access to prevent entry through these doors.
• To minimize high touch surfaces, interior doors that can be safely propped open without violating fire codes, should be propped open

Department-Managed Undergraduate / Graduate Learning and Teaching Spaces
• Classrooms and meeting rooms can be open for specific events provided that a safety plan (with posted room occupancy) has been developed.

UBC-Managed Undergraduate / Graduate Learning and Teaching Spaces
• Before entering one of the UBC-managed rooms, Faculty of Applied Science personnel must read the COVID-19 Safety Plan for General Teaching Spaces.
In addition to all of the policies stated in the document, all high touch surfaces must be cleaned both before and after use by users.

**Signage and Directional Guides**
- Elevators (maximum of either 1 or 2 occupants, based on elevator size).
- Stairwells that are busy or very tight (for directionality).
- Physical distancing signage must be posted at entrances and/or hallways.
- Narrow hallways should be designated one-way with appropriate signage on the floor and at eye level.
- There must be a Worker/Visitor Entry Check sign at every entrance that describes the symptoms of COVID-19 and other self-declaration items, and prohibits entry for any personnel that may meet one of the three criteria.
- Post signage within the units to inform everyone of the measures in place.

**Hand Sanitizer Stations**
- Hand washing/sanitizing stations should be considered inside of building entrances, subject to availability.
- Hand sanitizers should be considered near the entrance to all shared labs/multi-user facilities (to be provided by PI or facility manager), subject to availability.
- Hand sanitizing stations should be considered at locations where propping the doors interferes with a building’s airflow/temp stability subject to availability.

**Offices**
- Single occupancy office space is to be used only in the case of special exemptions awarded by the Head/Director.
- Temporary short access to offices (e.g. 10 minutes for grabbing a book) will be provided by head’s approval on a case-by-case basis.
- Use of graduate student/trainee offices can be allowed, but must accommodate physical distancing protocol. Priority will be given to offices that are required for teaching purposes.

**Shared Facilities**
- Access to facilities must be controlled by the building administrator/facility manager.
- Each facility must have a sign that indicates the maximum number of people that can be inside at a time.
- Access to some facilities will be restricted to appointments made by email (e.g., machine shop, Stores), others will require online scheduling.
- Users MUST comply with procedures or access/services will be denied.
- All shared tools, computer keyboards, and other high-contact areas must be wiped down with disinfectant prior to and following use by users.

**Visitors**
- If required, visits to the workplace to deliver samples (e.g., industrial partners) should be prearranged, staggered, and safety protocols should be communicated before entry into the workplace (e.g., email and/or signage posted to entrance).
- Departments/Schools/Units must keep a record of visitors to the workplace. Visitors are to be provided instructions on how to complete self-assessments and to check-in/out of buildings.
- Occupancy restrictions are not to be exceeded by visitors.

### 15. Accommodations to maintain 2 metre distance

Please detail what accommodations/changes you have made to ensure employees can successfully follow the rule of distancing at least 2 metres from another employee while working.

#### Common Physical Distancing Protocols (Everyone)

- Physical distancing is required at all times with personnel spaced by at least 2 m. Where physical distancing is not possible, then UBC the UBC Employee COVID-19 Physical Distancing Guidance should be followed. Examples include carrying something heavy or doing repairs to an equipment that require two people. The personnel must contact SRS for guidance on appropriate PPE where physical distancing cannot be maintained.
- No unnecessary visitors are permitted in the buildings during Stage 1 or Stage 2, including relatives (e.g., parents, children) or friends of personnel. Exceptions include: couriers, industry representatives dropping off samples for analysis, other researchers on campus accessing equipment.
- All elevators are limited to either one or two occupants, based on elevator size.
- When stairwells are not sufficiently wide to allow for cross-directional traffic with appropriate social distancing, they will be clearly marked as single-direction. Passing others in stairwells is not permitted. Follow directions in buildings.
- Do not congregate in common areas. Minimize social interactions in the building.
- Use of non-medical masks is guided by BC Health guidelines. Medical masks are not currently required unless the particular task required them pre-COVID but may be recommended in building common areas. Personnel who choose to wear masks must still comply with physical distancing requirements. Those who wear masks must wash and dispose of them properly. Use of other PPE, such as lab coats and eye protection, should follow UBC ‘Safety and Risk Services’ (SRS) Guidelines, linked here.
- Use of common rooms (e.g., locally-assigned classrooms and meeting rooms, social spaces, lunch rooms) should be controlled carefully by departments. Remove chairs from common rooms to limit the number of people who can sit in accordance with physical distancing standards.
- Department-bookable classrooms can be reopened in R2R Stage 2 & R2C.
- Spaces for eating must have signage to indicate the maximum number of people permitted at a time while maintaining physical distancing. When and where kitchens/lunchrooms can be closed, this is recommended.

### 16. Transportation

Detail how you are able to (or not) apply UBC’s COVID-19 vehicle usage guidelines to the proposed operational model - if you cannot apply these guidelines, please describe alternative control measures.
The Faculty of Applied Science expects that all supervisors/managers and Departments/Schools will adhere to the UBC Employee COVID-19 Use of UBC Vehicles guidance, including only one person per vehicle unless there is space to allow physical distancing.

17. Worker Screening
Describe how you will screen workers: 1) exhibiting symptoms of the common cold, influenza or gastrointestinal; 2) to ensure self-isolation if returning to Canada from international travel; and 3) to ensure self-isolation if clinical or confirmed COVID-19 case in household or as medically advised.

- Every Department/School will ensure that the check-in & check-out QR code (provided by the Dean’s Office) is posted on the entrance doors of each APSC building (where possible). The survey will have the questions from Thrive BC Self-Assessment Tool.
- Additionally, each Department/School will designate a person to do daily spot checks on the survey database and prohibit people who are scheduled in the building, but are not completing the survey. This person will also ensure that international travellers are not scheduled in the building and have not entered the building during 14 days after their arrival to Canada.
- Every person (employee, visitor, contractor, etc.) returning on campus (also the employees working remotely) will do the SRS training and will be aware that:
  - Before coming to work, all personnel must check their health status. Personnel experiencing any symptoms of COVID-19 (cough, sneezing, shortness of breath, loss of sense of smell/taste, sore throat, tiredness, fever) must not come to work.
  - Individuals displaying symptoms of COVID-19 must remain at home and isolated until they have been confirmed COVID-free by testing or have been symptom free for the length of time recommended by the BCCDC. Personnel who have been in contact with a person confirmed or presumed to have COVID-19 must also self-isolate as per provincial health guidelines. Personnel will be referred to the BC Health Self-Assessment Tool to determine if they require testing and/or medical care.
  - Anyone returning from outside of Canada must follow the directions of the quarantine act, which specifies 14 days of self-isolation, regardless of whether or not they are experiencing COVID-19 symptoms. Anyone exposed to a traveler must also self-isolate for 14 days. Supervisors cannot give personnel in quarantine work that would require them to break the quarantine.
  - To complete the SRS training, if the person does not have a CWL, a temporary one can be hosted by the Department/School/Unit through UBC IT.
  - Anyone becoming sick at work is to immediately leave and is to remain at home.

- Every front and back entry door will include signage for both workers and visitors/guests that prohibits entry if any of the above criteria apply. The signage will either copy, or will directly use the WorksfeBC signage, as below:
  - WorkSafe: Entry Check for Workers
  - WorkSafe: Entry Check for Visitors

18. Prohibited Worker Tracking
Describe how you will track and communicate with workers who meet categories above for worker screenings.
The QR code Qualtrics survey is designed to provide information on what to do, for those who try to access the building but have one or more of the above symptoms. These workers will inform their supervisors by email and will decide if they want to take a sick day or work remotely if possible. If they decide to take a sick day, they will enter that request onto the PAT system.

Section #4 – Engineering Controls

19. Cleaning and Hygiene
Detail your cleaning and hygiene plan, including identification for hand-washing stations and the cleaning regimen required to be completed by your departmental staff (i.e. non-Building Operations) for common areas/surfaces

- Building Operations will be contacted to notify of building re-occupancy to ensure they can flush the pipes etc.
- The standard UBC custodial standards will apply. Custodial crews will clean the common areas of buildings outside of operation hours (after 7 PM).
  - If there is any additional required cleaning (e.g. high-touch surfaces), training regarding the protocols and cleaning solutions must be provided. Any laboratory cleaning will follow the WHO guidelines for decontamination.
- Personnel must wash their hands regularly with soap and water (20 seconds) or if washing hands with soap and water is not feasible, use hand sanitizer, and avoid contact with one another.
  - Hand washing/sanitizing stations should be considered inside of building entrances, at locations near shared spaces, and at locations where propping the doors interferes with a building’s airflow/temp stability, subject to availability.
- If microwaves or other cooking equipment are being used, there must be signage to reinforce cleaning protocols (e.g., users disinfecting the handles and buttons) and there must be supplies available there for this purpose. Units may consider preventing the use of common food preparation equipment if they think it is unsafe.

20. Equipment Removal/Sanitation
Detail your appropriate removal of unnecessary tools/equipment/access to areas and/or adequate sanitation for items that must be shared that may elevate risk of transmission, such as coffee makers, kettles, shared dishes and utensils

- Staff and faculty using the campus during stage 2 should not expect to be able to use common areas like shared kitchens for food preparation or consumption, and should make arrangements accordingly
- Building Safety plans developed by each department/unit will highlight the equipment removal/ sanitation procedures for common areas of their building. The guideline given to the Individual users will be to disinfect every common surfaces inside a room (e.g., fridge handles, solvent containers, mice on lab computers
- Each workspace plan developed by faculty/supervisors will highlight the equipment removal/ sanitation procedures for their specific spaces.
• Cleaning schedules will be generated by supervisors/managers for all high-touch items, such as shared equipment. For all new cleaning protocols, training regarding the protocols and cleaning solutions must be provided. Cleaning protocols will follow the WHO guidelines for decontamination & Health Canada guidelines.

21. Partitions or Plexiglass installation
Describe any inclusion of physical barriers to be used at public-facing or point-of-service areas

Need for partitions or plexiglass installation will be addressed within each Department/School/Unit’s Child plans. However, movable plexiglass barriers should be installed on counters where personnel must interact with customers or other people (e.g. deliveries). Please refer to the Facilities website page.

Section #5 – Administrative Controls

22. Communication Strategy for Employees
Describe how you have or will communicate the risk of exposure to COVID-19 in the workplace to your employee, the conduct expectations for the employee's physical return to work around personal hygiene (including use of non-medical masks), the familiarization to contents of this plan, including how employees may raise concerns and how you will address these, and how you will document all of this information exchange.

Communication of the Plan to Faculty of Applied Science Employees
To communicate the risk of exposure to COVID-19 in the workplace to the employees, the Faculty of Applied Science will disseminate the approved Parent Plan via e-mail and will post it on the Faculty website.

A meeting will be held with Heads/Directors to confirm their responsibilities, as well as communicate what is expected of them in the subsequent plans (Intermediate and Child). Once approved the Intermediate and Child plans will be distributed by email, posted on the Departmental/School/Unit websites, as well as stored on a centralized SharePoint site for record keeping purposes at the Faculty-level.

Communication of Worker Concerns to the Faculty of Applied Science

- When an employee is concerned about any of these policies, they should follow the standard WorkSafeBC reporting guidelines (see Right to Refuse Unsafe Work).
- They may also contact their worker representative of the APSC JOHSC to express their concerns. Another avenue they can use is going through their supervisor to communicate their concern.
- Information on the use of non-medical masks can be found here.

23. Training Strategy for Employees
Detail how you will mandate, track and confirm that all employees successfully complete the Preventing COVID-19 Infection in the Workplace online training; further detail how you will confirm employee orientation to your specific safety plan

- The SRS Preventing COVID-19 Infection in the Workplace online training course is mandatory for all employees (including the ones still working remotely).
- The completion certificate of the course plus a commitment Form of all documents to read (Building and their specific Workspace safety plans) must be sent by email to a designate in
each department. These designates will also be responsible for making sure everyone entering the building has sent the check-list and certificate. See commitment form template in Appendix G.

- Administrators with HRMS access can run a 910 report in MSP to view which employees in their department have completed all mandatory training courses.

### 24. Signage

Detail the type of signage you will utilize and how it will be placed (e.g. floor decals denoting one-way walkways and doors)

The Faculty of Applied Science will utilize the signage from the Safety & Risk Services COVID-19 website, and the WorkSafe’s COVID-19 – Resources website, WorkSafeBC, and from Building Operations. Building Operations has also sent out approved floor tape and decals to all of the departments.

**Required Signage:**

- Signs that state the maximum occupancy of common rooms
- Use of tape to block-off rooms and classrooms that are off-limits
- Use of tape and floor signage to direct traffic through high flow areas
- Signs to remind people to adhere to physical distancing guidelines
- Floor signs to mark of 2 m spaces where people might line up (if needed)
- Signed Access Agreement on lab doors indicating maximum occupancy
- Checklist of items that require disinfection at the end of each shift. This should include switches, freezer / fridge handles, keyboards and mice of communal computers, cart handles, etc.

### 25. Emergency Procedures

Recognizing limitations on staffing that may affect execution of emergency procedures, detail your strategy to amend your emergency response plan procedures during COVID-19. Also describe your approach to handling potential COVID-19 incidents.

All of the BERPs within the Faculty of Applied Science have been updated to accommodate the reduced staffing levels; resources for this are found here. When the designated Fire Wardens are not scheduled to work, all ‘Responsible Persons’ will be certified Fire Wardens and will be responsible for BERP protocols. They will also have access to lists of the research personnel and laboratory rooms that are occupied each day. A comprehensive document that provides safety and emergency contacts as well as an emergency response plan must be publicly available both online and as a hard copy. Amended BERPs will be provided, where necessary, as part of any site-specific safety planning.

**Handling Potential COVID-19 Incidents:**

Suspected positive incidents or exposure concerns are to be reported to the Supervisor. Further incident reporting information can be found here. Direct people who are unsure about what they should do to the BC Self-Assessment Tool. OPH programs and services remain available to all staff, faculty, and paid students who have questions or concerns about their health and safety in the workplace, including questions around COVID-19.

Describe how monitor your workplace and update your plans as needed; detail how employees can raise safety concerns (e.g. via the JOHSC or Supervisor) - plan must remain valid and updated for next 12-18 months

- Every month, the Faculty of Applied Science will review monitoring information from each Department/School and will update plans as necessary. Employee feedback on this plan can be sent directly to their supervisors, and to their worker representatives on their Department LST or their worker representatives on the Faculty of Applied Science’s JOHSC.
- This plan will be reviewed if there is a request for higher building occupancy, or if there is a shift in provincial phases.

### 27. Addressing Risks from Previous Closure

 Describe how you will address the following since the closure: staff changes/turnover; worker roles change; any new necessary training (e.g. new protocols); and training on new equipment

- Research will be opened to less experienced research personnel, when possible.
  - If they are less experienced or require training, PIs will still be responsible the student is trained on the proper procedures within the lab/workspace. We encourage in-person supervision wherever possible for less experienced students where physical distancing can be done.
- Training of new research protocols is strictly limited to situations where physically distancing can be maintained. This assessment will be up to PIs.
- If a change to the worker role becomes necessary for continued operation, training in the new protocols of the job must be included (including full documentation of the training). If the worker role changes, the details must be included in either the PI or office admin site-specific safety plan.

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### Section #6 – Personal Protective Equipment (PPE)

#### 28. Personal Protective Equipment

Describe what appropriate PPE you will utilize and how you will/continue to procure the PPE

- We are not anticipating any new PPE requirements due to COVID-19.
- Where COVID-19-specific PPE may be required, each Department/School/Unit will have to create their own supply chain through their respective Stores or supply strategy.
- Ordering critical supplies should follow this process through SRS.

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### Section #7 - Acknowledgement

#### 29. Acknowledgement

Plan must demonstrate approval by Administrative Head of Unit, confirming: 1) the Safety Plan will be shared with staff and how; 2) staff will acknowledged receipt and will comply with the Safety Plan.

The final version of this Parent Plan will be signed by the Dean James Olson, Faculty of Applied Science. It will be distributed to all Heads/Directors, staff in the Dean’s Office and the JOHSC. It will also be posted on the Faculty-level website.

I acknowledge that this Parent Plan has been shared with all Heads/Directors, staff in the Dean’s Office and the JOHSC through email and will be made available as a shared document.
Date
August 10, 2020

Name
James Olson

Title
Dean, Faculty of Applied Science

Signature
Appendix A – Map and List of Buildings and Departments in the Faculty of Applied Science

The Faculty of Applied Science (APSC) encompasses varied types of research, including lab, human and field studies, and requires access to a wide variety of buildings and services across campus. APSC has over 300 faculty members, 165 research staff and 2,055 graduate students. The Faculty of Applied Science occupies 33 buildings on the Vancouver campus, and one central building for the School of Engineering in the Okanagan campus. On the Vancouver campus, and with only a few exceptions, these buildings are clustered in an area roughly delimited by East and Main Mall (East and West), and University and Thunderbird Boulevards (North and South). East Mall, as well as Thunderbird Blvd can provide main access roads which could become emergency routes.

APSC buildings on the Vancouver campus including buildings with active on-campus activities (red), and buildings which will be considered for re-opening (yellow).
Appendix B – Approval Process Flow Charts

Table 1 – Intermediate Plan Approval Flow Chart

Responsibilities
Primary Development: LST with Head/Dean
Primary Review: Head/Dean
Primary Endorsement: RTCC

Table 2 – Child Plan Approval Flow Chart

Responsibilities
Primary Development: P/U Lead/Unit Lead
Primary Review: LST
Primary Endorsement: Head/Dean
Appendix C – Working On-Campus Decision-Tree

Worker can effectively work at home
- YES → No Return to Campus
- NO → Worker approved in return to research stage 1 or research exemption

Worker approved in return to research stage 1 or research exemption
- YES → Priority 1 access
- NO → Worker needing to return for teaching/research/continuity or to access specialized infrastructure

Worker needing to return for teaching/research/continuity or to access specialized infrastructure
- YES → Priority 2 access
- NO → Worker returning to support critical operational activities (i.e. maintenance, technical staff etc)

Worker returning to support critical operational activities (i.e. maintenance, technical staff etc)
- YES → Priority 2 access
- NO → Worker has home conditions which are not suitable for remote work

Worker has home conditions which are not suitable for remote work
- YES → Priority 3 Access
- NO → Students needing access to specialized labs to complete project work (i.e. 4th year thesis students, UG summer students)

Students needing access to specialized labs to complete project work (i.e. 4th year thesis students, UG summer students)
- YES → Priority 4 Access
- NO → Approved student group doing critical path work (i.e. prototyping, construction)

Approved student group doing critical path work (i.e. prototyping, construction)
- YES → Priority 5 Access
- NO → Worker requiring limited time access for a defined period of time (i.e. 1 day access to office)

Worker requiring limited time access for a defined period of time (i.e. 1 day access to office)
- YES → Speak with Unit Head/Director
- NO → Does worker really need to return to campus?

Does worker really need to return to campus?
- YES → No Return to Campus
- NO → No Return to Campus
Appendix D – Responsibilities of Each Worker Group

Employee Responsibilities

- Must take the required UBC COVID-specific training course.
- Before coming to work, all personnel must check their health status. Personnel experiencing any symptoms of COVID-19 (cough, sneezing, shortness of breath, loss of sense of smell/taste, sore throat, tiredness, fever) must not come on campus.
- Individuals displaying symptoms of COVID-19 (described above) must remain at home and isolated until they have been confirmed COVID-free by testing or have been symptom free for the length of time recommended by the BCCDC. Personnel who have been in contact with a person confirmed or presumed to have COVID-19 must also self-isolate as per provincial health guidelines. Personnel will be referred to the BC Health Self-Assessment tool to determine if they require testing and/or medical care: https://bc.thrive.health/.
- All work that can be done off campus must continue to be done off campus. Data processing, writing manuscripts, writing grant proposals, creating presentations, studying, ordering of lab supplies, online library research, computations, etc. should be done from home. Exceptions may be considered for cases where research personnel do not have the possibility to work from home.
- Faculty who are teaching for whom conditions make it impossible to provide classes from home can apply to use their office for lectures; approval is decided by their head/director.
- Faculty who require access to on-campus space to prepare materials for the fall (e.g., making videos for online course production) should be accommodated by the head/director where possible as long as it will be done in a safe manner consistent with physical distancing requirements.
- Training of new research protocols is strictly limited to situations where physically distancing can be maintained. This assessment will be up to PIs.
- In-person meetings, events or lectures should not be organized in R2R Stage 2 & R2C unless they have received approval from Heads/Directors and the Dean, APSC.
- Where exemptions have been given for an employee to access their office, they must not have guests in the office.
- Supervisors/managers will be responsible for developing safety plans for their spaces. These will be reviewed and approved by department heads / directors. Heads and directors are encouraged to consult with their LST and/or JOHSC.
- Prioritization of personnel within a work location will be determined by the supervisor/manager and approved by the head or director.
- When an employee is concerned about the rules for R2R Stage 2 & R2C, they should follow the standard WorkSafeBC reporting guidelines (address the concern in writing to their supervisor first).

Responsibility of Faculty of Applied Science
• Develop Parent Plan for R2C.
• Develop application and approval process to restart activities on campus.
• Evaluate and approve applications.
• Develop guidelines and requirements for R2C in accordance with UBC and Provincial guidelines.
• Disseminate training and support resources and templates as received from VPRI and SRS to Principal Investigators, researchers, unit leadership, managers, and supervisors.
• Monitor overall compliance and, if necessary, impose penalties or revoke permission to operate.
• Coordinate with VPRI to ensure activities are consistent with overall UBC guidelines.

Responsibility of Department Heads and Directors
• Ensure that the Parent Plan is shared with faculty, students, and other researchers in their unit.
• Approve Building Safety Plans developed by the Departmental Safety Committee (LST).
• Ensure shared facilities are managed collaboratively.
  o Safety personnel and facilities managers will coordinate across Faculties, Departments, Schools, and units where necessary to develop comprehensive, collaborative and accurate Intermediate plan.
  o They are also responsible for reporting back to Heads/Directors.
• Approve Workspace Safety Plans reviewed by LST.
• Ensure that all employees receive safety training.
• Develop plan to monitor compliance for their unit in conjunction with their Safety Team Representative (‘STR’ – faculty and/or staff on the Unit’s LST who work with APSC’s Joint Occupational Health & Safety Committee (JOHSC): see list of STRs in Appendix D).
• Responsible for ensuring that all required signage is in place throughout the common spaces of the building.
• Handle conflicts from their unit and report issues to the RTCC.

Responsibility of Supervisors and Managers
• Responsible for developing a site-specific safety plan for their space, and communicating this to all personnel. This will be reviewed and approved by department heads or directors prior to restarting work.
• Responsible for ensuring that their personnel take the mandatory UBC COVID-specific training course, as well as taking it themselves.
• Responsible for posting on the doors to their work areas the maximum number of occupants. Where a workspace is shared by multiple groups, this maximum occupancy must be agreed upon by all supervisors/managers. In the event that it is not agreed upon, then the head or director can impose a limit.
• Responsible for scheduling shifts / rotations of personnel as needed to ensure that physical distancing can be practiced and to respect occupancy limits depending on the current stage of
the R2C process. Where a workspace is shared by multiple groups, this schedule must be agreed upon. In the event that it is not agreed upon, then the head or director can decide the schedule.

- Employees who feel uncomfortable returning to the workplace are encouraged to raise their concerns with their Supervisor or Manager. The Applied Science COVID-19 Safety Plan is designed to manage safety risks associated with COVID-19 within the Faculty. Should an individual believe that they are at elevated risk as a result of an underlying medical condition or other concern, the Supervisor or Manager should consult with their Faculty Relations Senior Manager or HR Advisor.
- Ensure the availability all necessary PPE.
- Monitor compliance with Safety Plan for all employees and visitors under their supervision
- Ensure there is sufficient availability of PPE and other safety equipment in order to implement the Safety Plan.

Appendix E – List of APSC Safety Team Representatives (STRs)

Heads 1 to 3 are there for support in shared facilities.

<table>
<thead>
<tr>
<th>Intermediate Plan</th>
<th>Additional spaces included in plan</th>
<th>LST Chairs/Co-chairs</th>
<th>Centre Director</th>
<th>Head 1</th>
<th>Head 2</th>
<th>Head 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brimacombe (AMPEL)</td>
<td>Brim addition</td>
<td>Gary Lockhart</td>
<td>John Madden</td>
<td>Daan Maijer (MTRL)</td>
<td>Steve Wilton (ECE)</td>
<td>Steve Feng (MECH)</td>
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<tr>
<td>Pulp &amp; Paper Center</td>
<td>Pulp &amp; Paper Wesbrook</td>
<td>George Soong</td>
<td>Orlando Rojas</td>
<td>Chip Haynes (CHBE)</td>
<td>Steve Feng (MECH)</td>
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<tr>
<td>CHBE</td>
<td>Gas Gun BPI CERC</td>
<td>Marlene Chow Sammy Larkam</td>
<td></td>
<td>Chip Haynes (CHBE)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CERC</td>
<td></td>
<td>Marlene Chow Sammy Larkam</td>
<td>Tony Bi</td>
<td>Chip Haynes (CHBE)</td>
<td>Steve Feng (MECH)</td>
<td></td>
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<tr>
<td>CIVL</td>
<td>CEME CEME labs Earthquake research facility McMillian Staging Area</td>
<td>Scott (Russell) Jackson</td>
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<td>Bernard Laval (CIVL)</td>
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<tr>
<td>ECE</td>
<td>KAIS Swing McLeod ICICS LIFE</td>
<td>Martin Ordonez Ross Sheppard Mathew Kutarna</td>
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<td>Steve Wilton (ECE)</td>
<td>Steve Feng (MECH)</td>
<td></td>
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<tr>
<td>Engineering Design Centre</td>
<td>Richard Colwell</td>
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<tr>
<td>ICICS</td>
<td>Forest Science Centre</td>
<td>Fatima Damji Gable Yeung</td>
<td>Rob Rohling</td>
<td>Steve Wilton (ECE)</td>
<td>Steve Feng (MECH)</td>
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<tr>
<td>MINE</td>
<td>Forward CMP</td>
<td>Carmen Jensen</td>
<td></td>
<td>Scott Dunbar (MINE)</td>
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<td>MTRL</td>
<td>Forward BRIM McMillan</td>
<td>Berend Wassink</td>
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<td>Daan Maijer (MTRL)</td>
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<tr>
<td>MECH</td>
<td>CEME CEME Labs KAIS CERC</td>
<td>Monica Clarkson Markus Fengler</td>
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<td>Steve Feng (MECH)</td>
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<table>
<thead>
<tr>
<th>Intermediate Plan</th>
<th>Additional spaces included in plan</th>
<th>LST Chairs/Co-chairs</th>
<th>Centre Director</th>
<th>Head 1</th>
<th>Head 2</th>
<th>Head 3</th>
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</thead>
<tbody>
<tr>
<td>SALA</td>
<td>CIRS Lassarre McMillan Ponderosa LARC Annex</td>
<td>Robert Geyer</td>
<td></td>
<td>Ron Kellett</td>
<td></td>
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<tr>
<td>SCARP</td>
<td>West Mall Annex Lassarre</td>
<td>Dolores Martin</td>
<td></td>
<td>Heather Campbell</td>
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<tr>
<td>SoN</td>
<td>UBC Hospital Koerner</td>
<td>Bob Wilson</td>
<td></td>
<td>Elizabeth Saewyc</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Appendix F – Shared Facilities

When navigating approvals within shared facilities, the approval should follow the administrative path of where the work will be completed (i.e. research work occurring within a Department/School’s space footprint vs. research work occurring within a Research Centre/Institute’s space footprint.) That said, Department Heads/School Directors and Research Centre/Institute Directors, the relevant LSTs, and building administrators/facility managers must work collaboratively to ensure the accuracy of building occupancy.

**Department Heads/School Directors:**
- Will approve the Intermediate plan for their unit.
  - This document should accurately reflect all relevant updated Intermediate plan(s);
    Intermediate plans are to be worked on collaboratively with any/all shared facility owners (LSTs co-chairs, facility managers, Heads/Directors, etc.).
- Will approve all Child plans submitted for work which will occur in the building(s) under the administrative control of their Department/School.
  - Child plans must support the occupancy capacities and protocol outlined in the Intermediate Safety Plans.

**Research Centre/Institute Directors:**
- Will approve the Intermediate plans for their unit.
  - This document should accurately reflect all relevant updated Intermediate plan(s);
    Intermediate Safety Plans are to be worked on collaboratively with any/all shared facility owners (LSTs co-chairs, facility managers, Heads/Directors, etc.).
  - It is understood and agreed upon that these plans will also be shared with the relevant Heads/Directors for review and secondary signature.
- Will approve all Child plans submitted for work which will occur in the building(s) under the administrative control of the Centre/Institute (i.e. ICICS, AMPLE, etc.).
  - Child plans must support the occupancy capacities and protocol outlined in the Intermediate Safety Plans.

**Table 3 – Contact List for APSC Occupied Buildings**

<table>
<thead>
<tr>
<th>Building Name</th>
<th>Occupants</th>
<th>Head/Director</th>
<th>Building Admin and/or Facility Manager</th>
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</thead>
<tbody>
<tr>
<td>Centre for Interactive Research on Sustainability [CIRS]</td>
<td>School of Architecture and Landscape Architecture</td>
<td>Ron Kellett</td>
<td>Robert Geyer</td>
</tr>
<tr>
<td></td>
<td>Sustainable Building Science</td>
<td>Linda Nowlan</td>
<td>Masoumeh Eghtesad</td>
</tr>
<tr>
<td>Building Name</td>
<td>Department</td>
<td>First Contact Person</td>
<td>Second Contact Person</td>
</tr>
<tr>
<td>---------------------------------------------------</td>
<td>-------------------------------------------------</td>
<td>---------------------------</td>
<td>----------------------------------------</td>
</tr>
<tr>
<td>Chemical &amp; Biological Engineering Building</td>
<td>Chemical and Biological Engineering</td>
<td>Charles Haynes</td>
<td>Marlene Chow / Samy Larkam</td>
</tr>
<tr>
<td></td>
<td>Clean Energy Research Centre</td>
<td>Xiaotao Bi</td>
<td>Sarah Chen</td>
</tr>
<tr>
<td></td>
<td>APSC Dean's Office</td>
<td>James Olson</td>
<td>Richard Colwell</td>
</tr>
<tr>
<td>Civil and Mechanical Engineering Building</td>
<td>Civil Engineering</td>
<td>Bernard Laval</td>
<td>Scott Jackson</td>
</tr>
<tr>
<td></td>
<td>APSC Dean's Office</td>
<td>James Olson</td>
<td>Richard Colwell</td>
</tr>
<tr>
<td></td>
<td>Mechanical Engineering</td>
<td>Steve Feng</td>
<td>Jennifer Pelletier / Monica Clarkson</td>
</tr>
<tr>
<td>Civil and Mechanical Engineering Laboratories</td>
<td>Civil Engineering</td>
<td>Bernard Laval</td>
<td>Scott Jackson</td>
</tr>
<tr>
<td></td>
<td>APSC Dean's Office</td>
<td>James Olson</td>
<td>Richard Colwell</td>
</tr>
<tr>
<td></td>
<td>Mechanical Engineering</td>
<td>Steve Feng</td>
<td>Jennifer Pelletier / Monica Clarkson</td>
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<td>Civil and Mechanical Engineering Structures Lab</td>
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<td>Bernard Laval</td>
<td>Scott Jackson</td>
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<td>Coal and Mineral Processing Laboratory</td>
<td>Mining Engineering</td>
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<td>Coal and Mineral Processing Laboratory Addition</td>
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<td>Joanna Ho</td>
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<td>Earthquake Engineering Research Facility</td>
<td>Civil Engineering</td>
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<td>Scott Jackson</td>
</tr>
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<td>Engineering High Head Room Laboratory</td>
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<td>Jennifer Pelletier / Monica Clarkson</td>
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<td>Engineering Student Centre</td>
<td>Engineering Undergrad Society</td>
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<td>Forest Sciences Centre</td>
<td>Institute for Computing, Information and Cognitive Systems</td>
<td>Rob Rohling</td>
<td>Fatima Damji / Gabel Yeung</td>
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<td>Rob Rohling</td>
<td>Fatima Damji / Gabel Yeung</td>
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<td>Frederic Lasserre Building</td>
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<td>Ron Kellett</td>
<td>Robert Geyer</td>
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<td></td>
<td>School of Community and Regional Planning</td>
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<td>Location</td>
<td>Department/Program</td>
<td>Contact 1</td>
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<td>Gas Gun Facility</td>
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<td>APSC Dean's Office</td>
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<td>Integrated Engineering Program</td>
<td>Jon Nakane</td>
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<td>Faculty of Land and Food</td>
<td>Ricky Yadda</td>
<td>Andy Jeffries</td>
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<td>Ron Kellett</td>
<td>Robert Geyer</td>
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<td></td>
<td>Institute for Computing, Information and Cognitive Systems</td>
<td>Rob Rohling</td>
<td>Fatima Damji / Gabel Yeung</td>
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<tr>
<td></td>
<td>Mechanical Engineering</td>
<td>Steve Feng</td>
<td>Jennifer Pelletier / Monica Clarkson</td>
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<tr>
<td>Koerner Pavilion</td>
<td>School of Nursing</td>
<td>Elizabeth Saewyc</td>
<td>Bob Wilson</td>
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<tr>
<td>Landscape Architecture Annex</td>
<td>School of Architecture and Landscape Architecture</td>
<td>Ron Kellett</td>
<td>Robert Geyer</td>
</tr>
<tr>
<td>Life Building</td>
<td>Electrical and Computing Engineering</td>
<td>Steve Wilton</td>
<td>Darla La Pierre / Matthew Kutarna</td>
</tr>
<tr>
<td>Lower Mall Research Station</td>
<td>APSC Dean's Office</td>
<td>James Olson</td>
<td>Richard Colwell</td>
</tr>
<tr>
<td>Macleod Building</td>
<td>Under construction</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
<tr>
<td>Medical Sciences Block C</td>
<td>School of Nursing</td>
<td>Elizabeth Saewyc</td>
<td>Bob Wilson</td>
</tr>
<tr>
<td>Ponderosa Office Annex B</td>
<td>School of Architecture and Landscape Architecture</td>
<td>Ron Kellett</td>
<td>Robert Geyer</td>
</tr>
<tr>
<td>Pulp and Paper Centre</td>
<td>Engineering Co-Op Program</td>
<td>Orlando Rojas</td>
<td>Steven Dreger / George Soong</td>
</tr>
<tr>
<td></td>
<td>Pulp and Paper Centre</td>
<td>Orlando Rojas</td>
<td>Emil Gustafsson / George Soong</td>
</tr>
<tr>
<td>Purdy Pavilion</td>
<td>School of Nursing</td>
<td>Elizabeth Saewyc</td>
<td>Bob Wilson</td>
</tr>
<tr>
<td>Staging Research Centre</td>
<td>Civil Engineering</td>
<td>Bernard Laval</td>
<td>Scott Jackson</td>
</tr>
<tr>
<td>The Brimacombe Building</td>
<td>Advanced Materials and Process Engineering Laboratory</td>
<td>John Madden</td>
<td>Gary Lockhart</td>
</tr>
<tr>
<td></td>
<td>Chemical and Biological Engineering</td>
<td>Charles Haynes</td>
<td>Marlene Chow / Samy Larkam</td>
</tr>
</tbody>
</table>
Appendix G – Return to Campus Activity Commitment Form

Building requirements for conduct related specifically to COVID-19 safety have been developed for the [insert name of building] building in general and workspace in particular. The building guidelines have been co-developed by the LST co-chairs from [insert name of Departments/Schools/Units involved sharing the one building]. All students, staff and faculty who are permitted to resume activities in the [insert name of building] building are required to complete the following requirements. Send completed form to your supervisor or his/her designate ➔ [insert name of Departmental/School designate dedicated to collecting these forms & SRS course certificates of completion.]

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Check when complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Review the intermediate safety plan</td>
<td></td>
</tr>
<tr>
<td>Review the child safety plan (also called workspace safety plan)</td>
<td></td>
</tr>
<tr>
<td>Complete the SRS online COVID-19 safety course and sent the certificate to</td>
<td></td>
</tr>
<tr>
<td>[insert name]</td>
<td></td>
</tr>
<tr>
<td>[List any other specific training you require]</td>
<td></td>
</tr>
</tbody>
</table>

Your name: _______________________ Date: __________
Faculty/Dept. ____________ Your main room no. _______
Your role (faculty, staff, grad student, etc.): ___________________
Supervisor: ________________ Signature: ________________

Wayne and William White Engineering Design Centre

West Mall Annex

School of Community and Regional Planning

Heather Campbell

Dolores Martin

Appendix G – Return to Campus Activity Commitment Form

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</tbody>
</table>

Your name: _______________________ Date: __________
Faculty/Dept. ____________ Your main room no. _______
Your role (faculty, staff, grad student, etc.): ___________________
Supervisor: ________________ Signature: ________________
By your signature you agree that you intend to meet the requirements/principles for:

- Doing the daily building check-in and check-out (QR code access)
- Practices for protecting against getting COVID-19 (stay home if ill; avoid touching your face; wash hands frequently; physical distancing > 2 m)
- No building access unless authorized by the schedule set up by the supervisor
- Knowing the guidelines for entry/exit to/from the building and getting around it
- Accessing washrooms and photocopy room
- Eating guidelines
- Cleaning and disinfecting commonly touched surfaces and shared equipment/tools
- Knowing who to contact for safety and interpersonal concerns/problems
- Abide by your unit working alone policy
- Building evacuation procedures in case of emergency
- What to do if someone shows signs of respiratory illness
- Consequences of not following requirements and rules
Appendix H – Summary: QR Codes to Capture Building Access for Contact Tracing Purposes

| Background & System Overview | During the Return to Research Stage 1 process, many of APSC’s Departments and Schools began using a “check in, self-assessment & check out” system to be able to support provincial Contact Tracers in the instance of confirmed presence of a COVID-19 infection within their buildings on campus.

By asking faculty, staff and students to complete the “check in, self-assessment & check out” surveys, the Departments and Schools were able to have a comprehensive understanding of who accessed a building, where those people worked, and when they worked.

The steps for this system are as follows:
1. Scan a unique QR code located on doors to building (all entry and exit points)
2. QR code sends user to a UBC Qualtrics survey which asks the following information:
   a. First name, last name
   b. Email address (or phone number)
   c. Check-in time
   d. Check-out time
   e. Spaces worked in/visited (i.e. Room number, lab number, etc.)
   f. Questions from [BC Self-Assessment Tool for COVID-19](#)
3. Results are sent back to the UBC Qualtrics survey and are stored in the back-end of the survey system

This was a successful system for the Departments and Schools, although their surveys were created independently of one another. As we move into a wider Return to Campus and in effort to streamline the process, the Heads and Directors have agreed they would like to use the same survey model across the Faculty’s buildings wherever possible. Using the same survey will support behaviour continuity and ensure a greater likelihood of adoption and overall success.

| Data Access & Purpose | Data Access: The employees with ability to access the survey data are the LST member(s) who developed the survey, and/or those who have been granted access to the survey through their UBC Qualtrics account.
- This number will remain as low as possible (1-2 people).
- Each building will have its unique QR Code. Only the LST occupying that building will have access to the survey specific to their building.
- The survey is collecting a minimum amount which is necessary to determine who was in a building during a specific time, should the need arise.

Purpose: The purposes for capturing this information are to:
1. Support Contact Tracing in the event of a positive COVID-19 case within the building

2. Ensure facility managers, Department Heads, and School Directors are able to understand capacity of a building

The information will not:
- Be used for job performance management
- Be provided to supervisors to monitor employee/worker attendance

Example
Please see below the example for the Frank Forward Building.

APSC Check-in and Check out Frank Forward

Start of Block: Default Question Block

Q2 Please provide your First and Last Name

______________________________
Q3 Please indicate your Department

- Materials Engineering (1)
- Mining Engineering (2)
- Building Operations (5)
- Other (6)

Q15 Please confirm today’s date (mm/dd/yyyy):

__________________________________________________________

Q5 Please confirm the time you arrived or departed Frank Forward

__________________________________________________________

Q20 Please indicate if you are arriving or departing Frank Forward:

- Arriving (1)
- Departing (2)

*Skip To: Q21 If Please indicate if you are arriving or departing Frank Forward: = Departing*

*Display This Question:*

If Please indicate if you are arriving or departing Frank Forward: = Arriving

Q22 Please provide your email address or phone number

__________________________________________________________
Q16 On the next pages, a series of questions will be displayed as part of a mandatory self-assessment developed by the BC Health authorities.
Q8 **Are you experiencing any of the following:**  
Severe difficulty breathing (e.g. struggling to breathe or speaking in single words)  
Severe chest pain  
Having a very hard time waking up  
Feeling confused  
Losing consciousness

☐ Yes (1)

☐ No (2)

Display This Question:
If Are you experiencing any of the following: Severe difficulty breathing (e.g. struggling to breathe... = Yes

Q9 Please call 9-1-1 or go directly to your nearest emergency department.

Click Next to complete the survey

Q10 **Are you experiencing any of the following:**  
Mild to moderate shortness of breath  
Inability to lie down because of difficulty breathing  
Chronic health conditions that you are having difficulty managing because of difficulty breathing

☐ Yes (1)

☐ No (2)

Display This Question:
If Are you experiencing any of the following: Mild to moderate shortness of breath Inability to lie... = Yes

Q11 **Please consult your family doctor or nurse practitioner.**
You can call 8-1-1 anytime to talk to a nurse at HealthLinkBC and get advice about how you are feeling and what to do next. Pay attention to how you are feeling. If it becomes harder to breathe, you can’t drink anything or feel much worse, seek urgent medical care at an urgent care clinic or emergency department.

Click Next to complete the survey
Q12 Are you experiencing cold, flu or COVID-19-like symptoms, even mild ones?

Symptoms include: Fever*, chills, cough or worsening of chronic cough, shortness of breath, sore throat, runny nose, loss of sense of smell or taste, headache, fatigue, diarrhea, loss of appetite, nausea and vomiting, muscle aches.

While less common, symptoms can also include: stuffy nose, conjunctivitis (pink eye), dizziness, confusion, abdominal pain, skin rashes or discoloration of fingers or toes.

Fever: Average normal body temperature taken orally is about 37°C. For more on normal body temperature and fevers, see HealthLinkBC's information for children age 11 and younger and for people age 12 and older.

☐ Yes (1)

☐ No (2)

Display This Question:
If Are you experiencing cold, flu or COVID-19-like symptoms, even mild ones? Symptoms include: Fever... = Yes

Q15 Please get a COVID-19 test and self-isolate. Testing Instructions: Testing is recommended for anyone, including children of any age with cold, flu or COVID-19-like symptoms, even mild ones. For more information on testing, visit the Testing page or the Pediatric Testing Guidelines page. Click on the links below for a list of collection centres in the province to find one near you. You can also call 8-1-1 to find the nearest centre or for directions in another language. Collection centre finder (Mobile and desktop)

Collection centre finder for Internet Explorer users

Note that sometimes people with mild symptoms at the start of their COVID illness may suddenly worsen and require urgent medical care. Pay attention to how you are feeling. If it becomes harder to breathe, you can’t drink anything or feel much worse, seek urgent medical care at an urgent care clinic or emergency department. Self-Isolation Instructions: Self-isolate while you wait for your test results so you do not potentially spread the illness to others. If you are diagnosed with COVID-19, public health will get in touch and give you instructions on how to self-isolate. You will be required to self-isolate for a minimum of 10 days from when your symptoms started. For more information, visit If you are Sick. Coughing may persist for several weeks, so coughing alone does not require you to continue to isolate. For instructions on what to do after you have received your test results, visit the Testing page. Self-isolation means staying home and avoiding situations where you could come in contact with others. You may have been exposed to the virus and are at risk for developing COVID-19 and passing it on to others. You
should not self-isolate in a place where you will be in contact with vulnerable people, such as seniors and individuals with underlying health conditions. See these guides about isolation:

- Isolation if you are ill
- Guide for caregivers and household members
- See the self-isolation dos and don’ts information sheet

Stay at home. Do not go to work, school, or public areas, do not use public transport or taxis. Wash your hands or use alcohol-based hand sanitizer often. Ask friends or relatives if you require help with buying groceries, other shopping, or picking up medication. Alternatively, you can order groceries and medication by phone or online. Do not have visitors in your home except if they are providing care or delivering goods and supplies, and in that case, maintain a distance of 2 metres. Clean and disinfect high-touch surfaces. Self-isolation can end 14 days after the last contact. If you are a health care worker, follow the advice of your employer. If you need more information, go to the BCCDC site for healthcare workers.

Click Next to complete the survey

Q13 Did you develop symptoms within 14 days of travel outside Canada?

- Yes (1)
- No (2)

Q17 Please self-isolate for 14 days and self-monitor. As of March 25, 2020 it is mandatory under the Quarantine Act that anyone arriving in British Columbia from outside of Canada self-isolate and monitor for symptoms for 14 days upon their arrival and complete/register a self isolation plan. There are some individuals who are exempt from this order to provide essential services, but they still need to self-monitor for symptoms. Returning travellers that develop symptoms are also required to self-isolate for at least 14 days or 10 days after onset of symptoms, whichever is longer. This can be a bit tricky to figure out. Here are some examples: Example 1: Symptoms appear five days after returning to Canada and last only a couple of days. Self-isolate for 10 additional days from when your symptoms appeared for a total of 15 days. Example 2: Symptoms appear two days after returning to Canada. Self-isolate for 10 days from onset of symptoms + an additional 2 days for a total of 14

Click Next to complete the survey

Q14 Did you provide care or have close contact with a person with confirmed COVID-19? Note: This means you would have been contacted by your health authority's public health team.

- Yes (1)
- No (2)

Q19 Please self-isolate for 14 days and self-monitor for symptoms. People who are contacts of a confirmed case, meaning they have been or could have been exposed to the virus but do not have symptoms, are required to self-isolate for 14 days since their last contact with the positive person and monitor for symptoms. Self-isolation means staying home and avoiding situations where you could come in contact with others. You may have been exposed to the virus and are at risk for developing COVID-19 and passing it on to others. You should not self-isolate in a place where you will be in contact with vulnerable people, such as seniors and individuals with underlying health conditions. See the self-isolation dos and don'ts information sheet. Stay at home. Do not go to work, school, or public areas, do not use public transport or taxis. Wash your hands or use alcohol-based hand sanitizer often. Ask friends or relatives if you require help with buying groceries, other shopping, or picking up medication. Alternatively, you can order groceries and medication by phone or online. Do not have visitors in your home except if they are providing care or delivering goods and supplies, and in that case, maintain a distance of 2 metres. Clean and disinfect high-touch surfaces. Self-isolation can end 14 days after the last contact. If you are a health care worker, follow the advice of your employer. If you need more information, go to the BCCDC site for healthcare workers.
Click Next to complete the survey

Q21 Please list the primary space(s) worked in/visited (i.e. Room number, lab number, Stores, etc.)

________________________________________________________________

End of Block: Default Question Block