IMSERC SARS-CoV2 / COVID-19 Operations Training

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EDUCATION and RESEARCH CENTER

Training Overview

- 1. Purpose of Training
- 2. Appropriate PPE Usage
- 3. Entrance / Exit + One-way
- 4. Room Capacity
- 5. Changes to Reservation Process
- 6. Disinfection + Preventative Measures
- 7. Interaction with IMSERC Staff
- 8. Enforcement Process
- 9. Special Considerations
- 10. Quiz + Questions

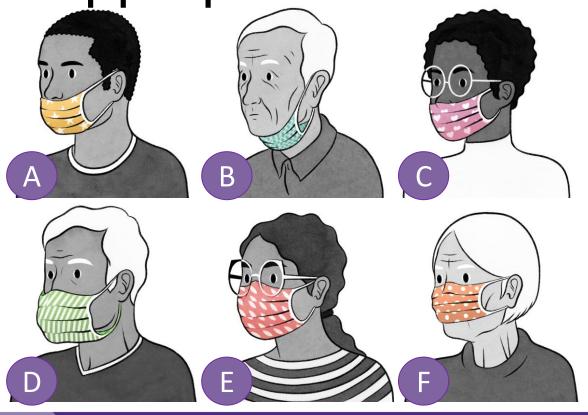
Purpose of Training

- Learn about IMSERC's COVID-19-based operations
- Understand required PPE protocols
- Educated regarding interaction with IMSERC staff
- Regain access to IMSERC upon
 - completion of training
 - passing of quiz
- Check bulletin board and TV at right upon entry to IMSERC Ground floor
 - Policy, announcements, and further details and/or updates

Appropriate PPE Usage

- No gloves of any kind!
 - Unless actively working with hazardous material
- Face mask is required
 - Mask must be worn properly
 - Complete coverage of nose, mouth, and chin
- Safety glasses/goggles required as normal
- Gowns, face shields, or other PPE optional

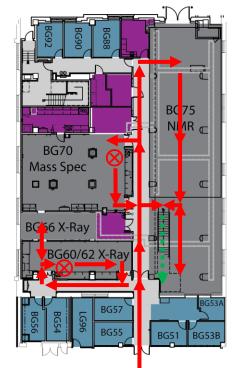
Appropriate Face Mask Usage



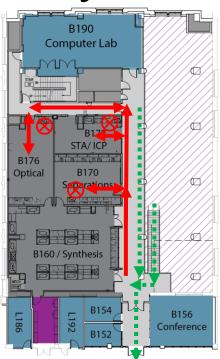
- (A) Incorrect
 Nose is exposed
- (B) Incorrect
 Not covering face
- (C) Incorrect / not effective
 Not fully covering nose
- **(D) Incorrect**Mask is very loose
- (E) Correct
 Mask covers chin, nose, and
 mouth and fits snugly
- **(F)** Incorrect / not effective Mask dose not cover chin

Entrance / Exit + One-way

- One-way system
 - Ground floor is <u>entrance only</u>
 - First floor is <u>exit only</u> via stairwell
- Follow one-way paths as marked on floor with arrows
- Labeled and color-coded for each subject area
- Handwashing in sink (⊗) is <u>required</u> upon entry



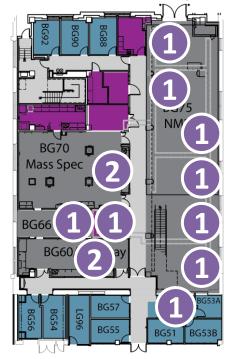


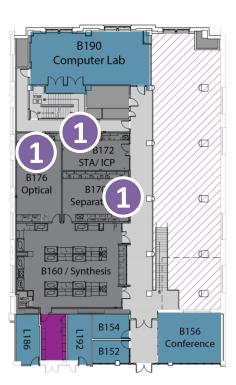


First Floor One-way Exit

Room Capacity

- Different capacities per-room
- One person per NMR
- Crystallography separates powder and single-crystal work
- Controlled by NUcore reservation (\$0 charge)
- Signs are posted on each room
- Staff is not counted in the room capacity calculation





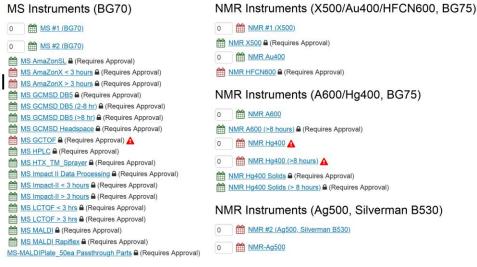
Always Maintain Social Distancing

... this is the first and most effective line of defense



Changes to Reservation Process

- Must reserve room for time of occupancy using NUcore
- Must reserve instrument (except X500 and ASAMAZONSL @ (Requires Approval) MSAMAZONX < 3 hours @ (Requires Approval) MSAMAZONX > 3 hours @ (Requires Approval)
- Thus, two (2) separate reservations (except NMRs) must be made
- X500 and Ag500 require only room reservation
- Au400, HFCN600, A600, and Hg400 require only instrument reservation
- Use your portable device to start your reservation. Login terminals will not be available
- Example scXRD:
 - 15 minutes = Room reservation
 - 4 hour = Instrument reservation



Users <u>MUST</u> have two (2) reservations to use most IMSERC instruments except NMRs

Preventative Measures + Disinfection

- Leave doors propped open
 - Eliminates shared touch-points
 - Air flow in all labs has been checked with doors propped open
- Your primary goal is to minimize residence time in lab
 - Start sample / get data, get in, and get out
- Handwashing is <u>required</u> upon entry
 - Follows one-way path
 - For Silverman B530 (Ag500) use the hand sanitizer by the entrance (due to the lack of a washing sink)
- 80-85% Ethanol or Isopropanol spray bottles
 - Check-in and check-out by sink (except NMR)
 - Spray bottles on each NMR table
 - Follow one-way path
 - Spray bottles used additionally to enforce room capacity
 - Spray keyboard, mouse, and all common surfaces
 - Do not spray on equipment
 - 2-minute residence time before wipe







Interaction with IMSERC Staff

- Staff daily rotation schedule
 - Located in closed office
- Whiteboards near room entrances have info
- If staff assistance needed:
 - DO NOT go to office
 - Zoom call ONLY
 - Setup your portable device with Zoom and login using NU's SSO option to access Chat/Video
- If in-person, proceed to designated waiting area
 - Marked with an "X"
- Goal: minimize interaction

Name	Zoom PID
Ben Owen	883-021-4174
Chris Malliakas	991-174-9362
Charlotte Stern	928-496-2870
Sumanta Sarkar	796-546-0800
Yongbo Zhang	425-135-4189
Yuyang Wu	450-207-2945
Saman Shafaie	758-227-4289
Arsen Gaisan	847-467-1240
Gabby Allison	950-526-6463
Stephen Miller	457-429-1297
Sheena NM	894-961-5862

Enforcement Process

- IMSERC staff will not be actively policing
- Report non-compliance concerns and violations to <u>imserc-director@northwestern.edu</u> or anonymously at <u>imserc.northwestern.edu</u>/contact-issue.html
- Lack of compliance with any policy:
 - 1st = Revoke access and retrain
 - 2nd = Revoke access, retrain, alert PI and/or Research Dean
 - 3rd = Revoke permanently (until operations return to "normal")
- Please help us keep you all safe and mitigate the spread

Special Considerations

- All prep benches closed. Arrive 100% prepared to run sample
- Use of microscopes in Crystallography and microbalances in B172 must be considered for room capacity reservation
 - Reserve room / plan time accordingly
 - Follow posted protocol
- Instrument training
 - Remote training is available for most instruments
 - Work with trained students to run samples
 - IMSERC staff submissions at user rates
- Return of submitted samples
 - NMR tube pickup will be at entrance of IMSERC (follow one-ways)
 - Crystallography, MS, and Physical Characterization samples will be assumed for disposal unless specially notified otherwise



Questions and Feedback

 Check Frequently Asked Questions list at imserc.northwestern.edu/covid-faq.html

• Email questions, concerns, feedback to imserc-director@northwestern.edu

 Anonymous report at imserc.northwestern.edu/contact-issue.html

Thank You