

University at Buffalo Toxicology Research Center
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Course Outline

Introduction (17 minutes)

- x Safety Briefing (2 minutes)
 - o Exits
 - o Restrooms
 - o Emergency procedures

- x Objectives (5 minutes) Slide
 - o Provide basic information on Ebola and routes of entry as it impacts on PPE selection.
 - o Train the Observer in their duties as an observer during staff entry into Ebola patient areas as established by their facilities SOP,
 - o Train the observers in proper PPE donning and doffing procedures as established by their facilities SOP,
 - o Train the staff who will conduct donning and doffing training for their facility personnel in proper procedures and equipment established by their facilities SOP.

- x Registration (10 minutes)
 - o Fill out registration forms Slide
 - o Students sign the attendance sheet
 - o Review schedule Slide
 - o Explain the competency demonstration requirement for a successful completion certificate.

Ebola properties (8 minutes)

- x Structure of virus Slide
- x Transmission information Slide
- x Routes of entry Slide
- x Review general routes of entry

PPE and Respirators (16 minutes)

Basic review of PPE considerations, detailed considerations are per existing facility SOPs and procedures and will not be covered here.

- x General (4 minutes) Slide
 - o Block routes of entry
 - o Selection criteria
 - Environment for Use
 - Physical activity
 - o Donning, Doffing & Inspection importance.

- x Types (CDC Guidelines) (1 minutes) Slide
 - o N95 Picture
 - o PAPR Picture

- x Facility Selected PPE for this training (11 minutes)
 - o Type & Components (1 minute) Slide
 - o Inspection of PPE (4 minutes) Slide
 - When
 - x Before
 - x After
 - What
 - Actions in the event of an accident.

 - o Donning steps (3 minutes) Slide
 - List steps
 - Order of PPE items mandated by the doffing order

 - o Doffing steps (3 minutes) Slide
 - What is the objective
 - List steps
 - Dirty to Clean side
 - Area for doffing
 - Avoiding Contamination

Decontamination (8 minutes)

Basic review of Decontamination considerations, detailed considerations are per existing facility SOPs and procedures and will not be covered here.

- x General principles of Decontamination Slide
- x Types of decontamination
- x Properties of the Decontamination Agents
- x Agents in use vs. Ebola (CDC or other) Slide
- x What needs to be decontaminated Slide
 - o Normal wear
 - o No visible contamination
 - o Visible Contamination
 - o Accidents Slide
- x Surfaces Slide
- x Decontamination area
 - o Location
 - o Equipment needed
- x Waste
 - o Disposable items
 - o Non-disposable items.

Role of the Observer (5 minutes)

Slide

- x Duties
 - o Importance
 - o Inspection
 - o Monitor donning and doffing
- x Checklist

Set-up for Practical (5 minutes)

Slide

- x Explain overall flow of the exercise
 - o Teams
 - o Individual runs
- x Final Competency test

15 minute break, then students report back to exercise area with their equipment.

Exercises (250 minutes)

- x Organize Exercise (5 minutes)
 - o Establish Teams 1 thru 8
 - o Designate A and B person on each team

- x Exercise 1 (60 minutes)

x Exercise 4 (35 minutes)

- Student lead.
- Instructor will apply Glo Germ for the doffing portion of the exercise.
- Teams 1, 3, 5, 7 only will be active:
 - Student B will be the observer and read Student A through the checklist.
 - Student A will don and doff PPE.
- Teams 2, 4, 6, 8 both students A and B will be observers:
 - One observer team will be paired with an active team to observe and critique.
 - They will follow the active team's checklist.
- Instructor will critique all teams while in process and at the end of the exercise. Each person doffing PPE will be scanned with the black light by the instructor after completion of PPE doffing.
- Students will be asked to comment.

x Exercise 5 (35 minutes)

- Student Lead
- Instructor will apply Glo Germ for the doffing portion of the exercise.
- Teams 2, 4, 6, 8 only will be active.
 - Student A will be the observer and read Student B through the checklist.
 - Student B will don and doff PPE.
- Teams 1, 3, 5, 7 both students A and B be observers.
 - One observer team will be paired with an active team to observe and critique.
 - They will follow the active team's checklist.
- Instructor will critique all teams while in process and at the end of the exercise. Each person doffing PPE will be scanned with the black light by the instructor after completion of PPE doffing.
- Students will be asked to comment.

x Exercise 6 (35 minutes)

- Student Lead
- Instructor will apply Glo Germ for the doffing portion of the exercise.
- Teams 2, 4, 6, 8 only will be active.
 - Student B will be the observer and read Student A through the checklist.
 - Student A will don and doff PPE.
- Teams 1, 3, 5, 7 both students A and B be observers.
 - One observer team will be paired with an active team to observe and critique.
 - They will follow the active team's checklist.
- Instructor will critique all teams while in process and at the end of the exercise. Each person doffing PPE will be scanned with the black light by the instructor after completion of PPE doffing.
- Students will be asked to comment.

x Exercise closing critique (20 minutes)

Students should be given a 10 to 15 minute break before the start of the competency demonstration.

Demonstration of Competency (60 minutes).

- x Each Student will be graded on procedure as:
 - o Observer rated on pacing of instruction and attention to detail and procedure.
 - o Donning and Doffing PPE rated on ability to execute observer instructions properly.
 - o Lack of visible contamination under black light after doffing.
 - o Must get a satisfactory in all three to receive a successful completion certificate.

- x Instructor will apply Glo Germ to the PPE prior to students beginning the doffing phase.

- x Instructor will scan each student donning and doffing under black light after doffing is complete.

- x Competency Demonstration 1 (30 minutes)
 - o Student A will act as Observer.
 - o Student B will don and doff PPE.

- x Competency Demonstration 2 (30 minutes)
 - o Student B will act as Observer.
 - o Student A will don and doff PPE.

- x Competency demonstrations will continue until each individual has been rated as an observer and during donning and doffing.

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