

# 2014 Domestic Ebola ETU Training Course

## Course Syllabus

This training course has been developed for licensed clinicians preparing to work in an Ebola Treatment Unit (ETU). **The primary purpose of the course is to ensure that all participants have sufficient knowledge of the disease and its transmission routes and are able to work safely and efficiently in a well-designed ETU.** A secondary purpose of the course is to prepare participants to evaluate environmental safety and either modify the environment or withdraw when necessary.

**Prerequisites:** Participants will complete an electronic pretest prior to arriving to the training

**Arrival:** Participants arrive the day before to go through the FEMA processing and stay onsite

### DAY 1 Morning Sessions

Time	Session Topic	Content Notes	Format	Faculty/Facilitator
5:30 AM-7:30 AM	Breakfast			
8:00 AM-8:30 AM (30)	Introduction of training and participants	Include discussion of overall training plan (i.e., 3-day course followed by observation in country, followed by Facilitator Led Activity: Participants answer 3 questions on sticky notes	Lecture and opening exercise	
8:30 AM-9:00 AM (30)	Epidemiology of current outbreak	Areas affected, estimated case counts, projected impact Healthcare delivery and infection control in resource-limited settings	Lecture, Q&A	
9:00 AM-10:00 AM (60)	Ebola and clinical care Part I	Disease transmission, history, clinical presentation, , triage	Lecture	
10:00 AM-10:15 AM (15)	BREAK	BREAK	BREAK	
10:15 AM-11:15 AM (60)	Ebola and clinical care Part II	Laboratory and diagnostic testing, clinical management, discharge criteria	Lecture	
11:15 AM-12:15 PM (60)	LUNCH	LUNCH Onsite	LUNCH	

## 2014 Domestic Ebola ETU Training Course

<b>Day 1: Afternoon Sessions</b>				
<b>Time</b>	<b>Session Topic</b>	<b>Content Notes</b>	<b>Format</b>	<b>Faculty/Facilitator</b>
12:30 PM- 1:30 PM (60)	Patient Triage Exercise	Participants will work in small groups to triage suspected and confirmed cases of Ebola presenting to an ETU	Small group case-based exercise	
1:30 PM- 2:30 PM (60)	Infection prevention and control	General principles of infection control, philosophy of personal protective equipment (PPE), alternative PPE recommendations,	Lecture	
2:30 PM - 3:00 PM (30)	Travel to Practical Exercise Site	Buses provided	Travel	
3:00 PM- 6:00 PM (180)	PPE Practical Exercise	Participants will <ul style="list-style-type: none"> <li>• Don MSF high-risk level-I PPE and then</li> <li>• Simulate drawing blood from an Ebola patient</li> <li>• Simulate specimen (blood) transport for testing</li> <li>• Doff PPE under direct supervision of partner/course staff</li> <li>• Walk through ETU level of care safely</li> </ul>	Practical exercise	
6:00 PM- 6:30 PM (30)	Travel Back to Lodging and Dinner	Buses provided	Travel	
6:30 PM- 7:30 PM (60)	Dinner	Dinner is served 5:30-7:30		

# 2014 Domestic Ebola ETU Training Course

## DAY 2 Morning Sessions

Time	Session Topic	Content Notes	Format	Faculty/Facilitator
5:30 AM-7:30 AM	Breakfast	Breakfast onsite		
8:00 AM - 9:00 AM (60)	Ebola Treatment Units	Operating principles of an MSF-ETU, patient and staff flow, evaluation of a facility for ability to safely administer care, how to keep safe in an ETU	Lecture	
9:00 AM – 10:30 AM (90)	ETU Exercise	Participants will work in small groups to construct a virtual ETU and assess ability of ETU to allow safe provision of healthcare	Small group case-based exercise	
10:30 AM-10:45 AM (15)	BREAK	BREAK		
10:45 AM-11:45 AM (60)	Water, hygiene, and sanitation	Steps to take when transporting or moving patients, proper ways to dispose of waste, burial procedures, disinfecting patient areas and transport vehicles, different disinfection solutions	Lecture	
11:45 AM – 12:45 PM	LUNCH	Lunch Onsite	LUNCH	

## DAY 2: Afternoon Sessions

Time	Session Topic	Content Notes	Format	Faculty/Facilitator
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12:45 PM-1:45 PM (60)	Returning Responder Presentation	Discussion facilitated by trainers who have responded to current outbreak. Orient participants to the unstructured situation and empower them to refuse to do things they are not equipped/prepared to do or to work in unsafe environment	Lecture and Discussion	
1:45 PM-2:30 PM (45)	Travel to Practical Exercise	Buses provided	Travel	
2:30 PM-5:30 PM (180)	PPE Practical Exercise	<p>Participants will</p> <ul style="list-style-type: none"> <li>• Don MSF high-risk level PPE and then</li> <li>• Prepare chlorine solution</li> <li>• Clean and disinfect a simulated patient care area (e.g., simulated stool, emesis, etc.)</li> <li>• Conduct a simulated waste disposal exercise</li> <li>• Doff PPE under direct supervision of partner and course staff</li> </ul>	Practical exercise	
5:30 PM-6:00 PM (30)	Travel back to lodge	Buses provided	Travel	
6:00 PM – 7:30 PM	Dinner	Dinner Provided	Dinner	

# 2014 Domestic Ebola ETU Training Course

## DAY 3: Morning Sessions

Time	Session Topic	Content	Format	Faculty/Facilitator
5:30 AM – 7:30 AM	Breakfast	Breakfast Onsite	Breakfast	
8:00 AM – 9:00 AM	Community Health and Support	Community health promotion and the role it plays in overall outbreak response. Psychosocial consequences of Ebola, treating Ebola patients with empathy, impact on families, fear and stigma of Ebola	Lecture, small group and video	
9:00 AM-10:00 AM (60)	Staff health and support	Causes of workplace stress associated with treating Ebola, individual commitment required to work in an Ebola outbreak setting, when to access healthcare and other support for responders, staying safe outside the ETU. Returning home and how to handle the 21 day waiting period and how to recognize PTSD.	Lecture, Q&A	
10:00 AM-10:15 AM (15)	BREAK	BREAK	BREAK	
10:15 AM-11:00 AM (45)	Epidemic Management	Contact Tracing, estimated case counts, and projected impact on Healthcare delivery and infection control in resource-limited settings.	Lecture	
11:00 AM-11:30 AM (30)	Experimental treatments and vaccine	Current Status	Lecture	
11:30 AM-12:30 PM (60)	LUNCH	LUNCH	LUNCH	

## 2014 Domestic Ebola ETU Training Course

<b>Day 3: Afternoon Sessions</b>				
<b>Time</b>	<b>Session Topic</b>	<b>Content</b>	<b>Format</b>	<b>Faculty/Facilitator</b>
12:30 PM- 1:30 PM (60)	HCP Safety Exercise	Participants will work in small groups to discuss what to do if they become ill when deployed or if a colleague becomes ill	Small group case-based exercise	
1:30 PM – 2:00 PM	Travel to Practical Exercise	Buses provided	Travel	
2:00 PM- 4:00 PM PM(180)	PPE Practical Exercise	Participants will <ul style="list-style-type: none"> <li>• Don WHO high-risk level PPE</li> <li>• Simulate patient and/or body transport</li> <li>• Respond to a simulated breach in a high-risk area of an ETU</li> <li>• Doff PPE under direct supervision of partner/course staff</li> </ul>	Practical exercise	
4:00 PM – 4:30 PM (30)	Travel back to lodge	Buses provided	Travel	