



**LABORATORY BIOSAFETY
PRINCIPLES AND PRACTICES
INSTRUCTOR'S TRAINING FOR BIOSAFETY**

Temasek Lifesciences Laboratory, Singapore
NIH, Division of Occupational Health and Safety
July 17-27, 2007

TRAINING EVALUATION

For each question below, please circle the number, check the line or write in your response as indicated.

A. Overall Course

(Scale: 1 = low to 5 = high)

(1) Your interest in the subject before attending the program. 1 2 3 4 5

(2) The usefulness of the information to your work and/or professional life. 1 2 3 4 5

(3) How much of the information was new to you?
(Scale: 1 = none 2 = very little 3 = some 4 = much of the information to 5 = all of the information). 1 2 3 4 5

(4) Do you plan to conduct biosafety training program(s) in your country during the next six months, and participate in the "Workshop on Conducting Biosafety Training Programs" at the 3rd Annual Conference of the Asia-Pacific Biological Safety Association?
(Scale: 1= Definitely Not to 5=Absolutely) 1 2 3 4 5

B. Learning Environment

Please state your agreement/disagreement with these statements, where, 1 = strongly disagree, 2 = disagree, 3 = neutral, 4 = agree, 5 = strongly agree

a) The classroom environment was conducive to learning. 1 2 3 4 5

b) The class size was adequate for this type of course 1 2 3 4 5

c) The accommodations were comfortable and enabled me to focus on the course. 1 2 3 4 5

C. Individual modules

Thinking of individual course segments, please state your agreement/disagreement with these statements, where, 1 = strongly disagree, 2 = disagree, 3 = neutral, 4 = agree, 5 = strongly agree

Day 1

(1) Introductions and Fact Finding (Cohen/Wilson)

- a) The instructor was knowledgeable about topics presented in the course. 1 2 3 4 5
- b) The instructor made me feel free to ask questions. 1 2 3 4 5
- c) The instructors presented the material clearly and effectively 1 2 3 4 5
- d) The module met its stated learning objectives. 1 2 3 4 5
- e) I can use the materials and references provided in this course directly for training programs in my country. 1 2 3 4 5
- f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. 1 2 3 4 5
- g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. 1 2 3 4 5
- h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. 1 2 3 4 5

(2) Training and evaluation (Wilson)

- a) The instructor was knowledgeable about topics presented in the course. 1 2 3 4 5
- b) The instructor made me feel free to ask questions. 1 2 3 4 5
- c) The instructors presented the material clearly and effectively 1 2 3 4 5
- d) The module met its stated learning objectives. 1 2 3 4 5
- e) I can use the materials and references provided in this course directly for training programs in my country. 1 2 3 4 5
- f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. 1 2 3 4 5
- g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. 1 2 3 4 5
- h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. 1 2 3 4 5

(3) Laboratory-Associated Infections (Arminio)

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

SAMPLE

(4) Aerosol Hazards in the Laboratory (Wilson)

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|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(5) Case Study #4- Laboratory Associated Infections LCM

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

Day 2

SAMPLE(6) Biosafety Principles (Wilson)

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(7) Classification of Microorganisms by Risk Group (Hunt)

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|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

SAMPLE

(8) Microbiological Risk Assessment in the Laboratory (Hunt)

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|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(9) Laboratory Safeguards and Procedures (Hunt)

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|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

SAMPLE

(10) Minimizing Aerosols (V)

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(11) Biological Safety Cabinets (Arminio)

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|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

SAMPLE

Day 3(12) Decontamination and Sterilization: Heat Treatments (Cohen)

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|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(13) Decontamination and Sterilization: Chemicals (Wilson)

- a) The instructor was knowledgeable about topics presented in the course. 1 2 3 4 5
- b) The instructor made me feel free to ask questions. 1 2 3 4 5
- c) The instructors presented the material clearly and effectively 1 2 3 4 5
- d) The module met its stated learning objectives. 1 2 3 4 5
- e) I can use the materials and references provided in this course directly for training programs in my country. 1 2 3 4 5
- f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. 1 2 3 4 5
- g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. 1 2 3 4 5
- h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. 1 2 3 4 5

SAMPLE

(14) Emergency Procedures (Gaudio)

- a) The instructor was knowledgeable about topics presented in the course. 1 2 3 4 5
- b) The instructor made me feel free to ask questions. 1 2 3 4 5
- c) The instructors presented the material clearly and effectively 1 2 3 4 5
- d) The module met its stated learning objectives. 1 2 3 4 5
- e) I can use the materials and references provided in this course directly for training programs in my country. 1 2 3 4 5
- f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. 1 2 3 4 5
- g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. 1 2 3 4 5
- h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. 1 2 3 4 5

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Case Study #3) Emergency Response

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

SAMPLE

Day 4(Lab #1, Part 1)- Use of Pipetting Aids and Techniques

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(Lab #2) BSC/Present Homework

- a) The instructor was knowledgeable about topics presented in the course. 1 2 3 4 5
- b) The instructor made me feel free to ask questions. 1 2 3 4 5
- c) The instructors presented the material clearly and effectively 1 2 3 4 5
- d) The module met its stated learning objectives. 1 2 3 4 5
- e) I can use the materials and references provided in this course directly for training programs in my country. 1 2 3 4 5
- f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. 1 2 3 4 5
- g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. 1 2 3 4 5
- h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. 1 2 3 4 5

SAMPLE

(15) Laboratory Design and Facilities Biosafety (Traum)

- a) The instructor was knowledgeable about topics presented in the course. 1 2 3 4 5
- b) The instructor made me feel free to ask questions. 1 2 3 4 5
- c) The instructors presented the material clearly and effectively 1 2 3 4 5
- d) The module met its stated learning objectives. 1 2 3 4 5
- e) I can use the materials and references provided in this course directly for training programs in my country. 1 2 3 4 5
- f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. 1 2 3 4 5
- g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. 1 2 3 4 5
- h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. 1 2 3 4 5

(16)Laboratory Animal Handling Practices (Wilson)

- a) The instructor was knowledgeable about topics presented in the course. 1 2 3 4 5
- b) The instructor made me feel free to ask questions. 1 2 3 4 5
- c) The instructors presented the material clearly and effectively 1 2 3 4 5
- d) The module met its stated learning objectives. 1 2 3 4 5
- e) I can use the materials and references provided in this course directly for training programs in my country. 1 2 3 4 5
- f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. 1 2 3 4 5
- g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. 1 2 3 4 5
- h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. 1 2 3 4 5

SAMPLE

Day 5

(Lab #1, Part 2) Use of Pipetting Aid & Technique-*colony counting*

- a) The instructor was knowledgeable about topics presented in the course. 1 2 3 4 5
- b) The instructor made me feel free to ask questions. 1 2 3 4 5
- c) The instructors presented the material clearly and effectively 1 2 3 4 5
- d) The module met its stated learning objectives. 1 2 3 4 5
- e) I can use the materials and references provided in this course directly for training programs in my country. 1 2 3 4 5
- f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. 1 2 3 4 5
- g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. 1 2 3 4 5
- h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. 1 2 3 4 5

(Lab #4) Sterilization

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

SAMPLE

(17) Post-work Safeguards and Procedures (Arminio)

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(18) Waste Disposal Procedures (Hunt)

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

Day 6

SAMPLE(19) Biosafety and Recombinant DNA in Laboratories (Hunt)

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|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(Lab #3, Part 1) Harvesting *E.coli*- inoculation and incubation

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|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

SAMPLE

(Q&A, Lab #4 Result-24hr) Sterilization

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|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(20) Handling and Storage of Hazardous Chemicals (Cohen)

- a) The instructor was knowledgeable about topics presented in the course. 1 2 3 4 5
- b) The instructor made me feel free to ask questions. 1 2 3 4 5
- c) The instructors presented the material clearly and effectively 1 2 3 4 5
- d) The module met its stated learning objectives. 1 2 3 4 5
- e) I can use the materials and references provided in this course directly for training programs in my country. 1 2 3 4 5
- f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. 1 2 3 4 5
- g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. 1 2 3 4 5
- h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. 1 2 3 4 5

SAMPLE

(Case Study #1) Handling of Hazardous Chemicals (Cohen)

- a) The instructor was knowledgeable about topics presented in the course. 1 2 3 4 5
- b) The instructor made me feel free to ask questions. 1 2 3 4 5
- c) The instructors presented the material clearly and effectively 1 2 3 4 5
- d) The module met its stated learning objectives. 1 2 3 4 5
- e) I can use the materials and references provided in this course directly for training programs in my country. 1 2 3 4 5
- f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. 1 2 3 4 5
- g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. 1 2 3 4 5
- h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. 1 2 3 4 5

(Lab #3, Part 2) Harvesting *E. coli*- inoculation and incubation overnight

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

Day 7

SAMPLE(21) Safety for Support Staff (Cohen)

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(22) Laboratory Biosecurity Concepts (Wilson)

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

SAMPLE

(23) Emergency Response and Security in the Laboratory (Colan)

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(Lab #3, Part 3) Harvesting an *E. coli* pellet- concentrating and harvesting

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

SAMPLE

(Q&A, Lab #4 Result 48hr) Sterilization

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(24) Safe Transport of Infectious Substances and Diagnostic Specimens (Arminio)

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

Day 8

SAMPLE(25) Elements of a Laboratory Biosafety Programme (Wilson)

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

(Case Study #5) Q Fever

- a) The instructor was knowledgeable about topics presented in the course. 1 2 3 4 5
- b) The instructor made me feel free to ask questions. 1 2 3 4 5
- c) The instructors presented the material clearly and effectively 1 2 3 4 5
- d) The module met its stated learning objectives. 1 2 3 4 5
- e) I can use the materials and references provided in this course directly for training programs in my country. 1 2 3 4 5
- f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. 1 2 3 4 5
- g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. 1 2 3 4 5
- h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. 1 2 3 4 5

SAMPLE

(26) Biosafety Officer and Biosafety Committee (Wilson/Armadio)

- a) The instructor was knowledgeable about topics presented in the course. 1 2 3 4 5
- b) The instructor made me feel free to ask questions. 1 2 3 4 5
- c) The instructors presented the material clearly and effectively 1 2 3 4 5
- d) The module met its stated learning objectives. 1 2 3 4 5
- e) I can use the materials and references provided in this course directly for training programs in my country. 1 2 3 4 5
- f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. 1 2 3 4 5
- g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. 1 2 3 4 5
- h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. 1 2 3 4 5

(Case Study #4) WestNile Pathogenesis

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

Day 9

SAMPLE

(27) BSL3

- | | | | | | |
|--|---|---|---|---|---|
| a) The instructor was knowledgeable about topics presented in the course. | 1 | 2 | 3 | 4 | 5 |
| b) The instructor made me feel free to ask questions. | 1 | 2 | 3 | 4 | 5 |
| c) The instructors presented the material clearly and effectively | 1 | 2 | 3 | 4 | 5 |
| d) The module met its stated learning objectives. | 1 | 2 | 3 | 4 | 5 |
| e) I can use the materials and references provided in this course directly for training programs in my country. | 1 | 2 | 3 | 4 | 5 |
| f) I am aware of (or I have) additional materials and resources that I can use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| g) I need assistance to identify and/or obtain additional materials and resources to use when teaching this module in my country. | 1 | 2 | 3 | 4 | 5 |
| h) I have a network of colleagues in my country and region, in my professional society, and/or my classmates in this course that I will contact for assistance with biosafety training and other related issues in my country. | 1 | 2 | 3 | 4 | 5 |

