

Lesson Plan

BSL3 Manual

Goals

To examine the various elements that need to make up a BSL3 Operations Manual

Learning Objectives

1. Understand the need for a BSL3 safety and operations manual
2. To understand the elements that should make up such a manual
3. To discuss and understand the strengths and weaknesses of such a manual

Prerequisites

- Familiarity with BSL2 and BSL3
- Familiarity with basic laboratory activities and operations
- A basic understanding of BSL3 design

Materials

1. Computer
2. Bound course material
3. Reference materials - Biorisk Manual and SOPs

Methods

Class room slides, narrative and discussion and practical activities

Evaluation

Evaluation will be based on the views of the trainers that students have grasped the concepts of what needs to be in a manual and would understand how to go about developing a manual. It is recognized that this is mainly a management responsibility.

Practical - BSL3 Manual

Goals

To understand various elements that should be included in a manual and its subsections by group development activities and feedback with discussion.

Activities

1. Split the class into groups of no more than 6 people per group
2. Exercise 1
 - a. Each group is to identify the major sections that should be included in a BSL3 manual
give 20 minutes for the exercise
 - b. Each group is to feedback to the whole group, give 10 minutes for feedback
 - c. Create from the feedback 1 single list of subjects that should be included in the manual
3. Exercise 2
 - a. Give each group a section from the manual and ask them to identify the key elements
that should be included in that section of the manual, give 30 minutes for the exercise
 - b. Each group is to feedback to the whole group, give 15 minutes for feedback
 - c. Create from the feedback a list of the elements to be included in these sections as
examples for the group
4. Exercise 3
 - a. Have each group develop a training program for a new BSL3 worker based on the
contents of the manual and how they would verify that the new worker was competent
to work unsupervised in BSL3
 - b. Each group is to feedback to the whole group, give 15 minutes for feedback
 - c. Create from the feedback a list of the elements to be included in the training