

Dairy Science Park, proposed courses on Biorisk Management (Animal Science) at University of Agriculture, Peshawar

Path-1022 Biosafety and Biosecurity 3(2-1)

Theory

Introduction to Biosafety and Biosecurity , Definitions and terminology, Concept of Biosafety, good laboratory practices, personal protective equipments, incident management, Biosecurity and management, proper disposal and waste management, World Health Organization's laboratory biosafety manual, Standard biosafety and risk management laws.

Practical

Good laboratory practices, biosafety level, Personal protective equipments and its uses, Classes of chemicals, handling, storage, and transportation of hazardous chemicals, safe work practices, Making Plans of risk assessment, handling of radioactive materials, assay to quarantine biological materials, BRM applications under Dairy Science Park; development of quality control standards and practices, entrepreneurship for hygienic food production

Books recommended:

WHO/ Laboratory Biosafety Manual 3rd edition

http://www.who.int/csr/resources/publications/biosafety/WHO_CDS_CSR_LYO_2004_11/en/

Biosafety Manual /Environmental Health and Safety

<https://www.ehs.uci.edu/programs/biosafety/BiosafetyManual.pdf>

Biosafety Manual-DEHS

http://www.dehs.umn.edu/bio_pracprin.htm

Introduction to Biorisk Management-Sandia National Laboratories

<http://www.biosecurity.sandia.gov/ibtr/subpages/pastConf/20102011/brmgmt/introBRM.pdf>

Dairy Science Park, homepage, <http://www.dairysciencepark.org.pk/>