



LABORATORY ANIMAL SCIENCE

March 3-21, 2025 ::: 20th Edition

Week 1

Day	Start	End	Theme
03/03/2025	09:00	09:30	LAS Course Opening
	09:30	10:30	History of animal use, ethics and the 3Rs - Part I
	10:45	12:00	History of animal use, ethics and the 3Rs - Part II
	12:00	13:15	A case of unethical treatment of laboratory animals (video and discussion)
	16:30	18:00	Basic biology of rodents
	18:00	18:30	Group tasks (introduction)
05/03/2025	09:00	10:00	Human health hazards and safe practices in the animal facilities
	10:00	11:30	Breeding and management of genetically altered animals
	12:00	13:30	Handling and restraint (theory)
	14:30	16:00	National Legislation
	16:15	17:30	National and international legal issues
	17:30	19:00	Minimally invasive procedures - identification and administration of substances (theory)
06/03/2025	09:00	12:00	Project preparation / self-study
	13:30	16:00	Handling and restraint (practical 1) - Class A
	13:30	16:00	Humane methods of killing - Class B
	16:30	19:00	Humane methods of killing - Class A
	16:30	19:00	Handling and restraint (practical 1) - Class B
07/03/2025	09:00	12:00	Project preparation / self-study
	13:30	16:00	Project preparation / self-study - Class A
	13:30	16:00	Minimally invasive procedures: identification and administration of substances (practical 2) - Class B
	16:30	19:00	Minimally invasive procedures: identification and administration of substances (practical 2) - Class A
	16:30	19:00	Project preparation / self-study - Class B

Week 2

Day	Start	End	Theme
10/03/2025	09:00	10:30	Good welfare - Good Science: the influence of husbandry and care on experimental outcome
	10:45	12:00	Refinement of experimental procedures
	13:00	14:30	Harm-benefit analysis, severity classification and culture of care
	14:45	16:45	Ethics, animal welfare and the 3Rs (level 2)
	17:00	18:00	Welfare assessment

Week 2 (cont.)

Day	Start	End	Theme
11/03/2025	08:30	10:00	Husbandry routines and animal welfare
	10:00	12:00	Project preparation / self-study
	12:00	13:00	Recognition of pain, suffering and distress
	14:30	16:30	Design of procedures and projects (level 1)
	16:30	18:00	Design of procedures and projects (level 1)
12/03/2025	09:00	18:00	Project preparation / self-study
13/03/2025	08:30	10:00	Minimally invasive procedures - sampling of biological fluids and tissues and suture (theory)
	10:00	10:30	Introduction to QuizOne (preparation for exam)
	11:00	13:30	Study design and Statistics
	14:30	16:30	Project preparation / self-study
	16:30	19:30	Minimally invasive procedures: sampling (practical 3) - Class A
	16:30	19:30	Project preparation / self-study - Class B
14/03/2025	08:30	10:00	Health monitoring and diseases of lab animals
	10:30	11:30	Colony management and genetic drifting
	12:00	13:30	Health status and animal facility barriers
	14:30	16:30	Project preparation / self-study
	16:30	19:30	Project preparation / self-study - Class A
	16:30	19:30	Minimally invasive procedures: sampling (practical 3) - Class B

Week 3

Day	Start	End	Theme
17/03/2025	08:30	10:00	Anaesthesia for minor procedures in rodents
	10:00	12:00	Project preparation / self-study
	12:00	13:30	Principles and techniques of Surgery and Microsurgery
	14:30	18:00	Project preparation / self-study
18/03/2025	08:30	10:00	Implementing the 3Rs and using alternatives
	10:00	12:00	Project preparation / self-study
	12:00	13:30	GLP and the ARRIVE guidelines
	14:30	18:00	Project preparation / self-study
19/03/2025	09:00	10:00	Animal facilities Manual
	10:00	12:00	Project preparation / self-study
	13:00	14:30	Visit to the Central Animal Facility and Skills assessment - Group 1
	14:30	16:30	Project preparation / self-study
	16:30	18:00	Visit to the Central Animal Facility and Skills assessment - Group 2
	18:00	19:30	Visit to the Central Animal Facility and Skills assessment - Group 3
20/03/2025	08:30	10:00	Visit to the Central Animal Facility and Skills assessment - Group 4
	10:00	12:30	Project preparation / self-study
	13:30	16:30	Project preparation / self-study
	16:30	18:30	Examination
21/03/2025	09:00	12:30	Project preparation / self-study
	13:30	17:30	Project presentation and discussion
	17:30	18:30	Course evaluation