

Teaching Schedule
Academic year 2/2018
SCID 514 Animal Experimentation in Biomedical Research 1(0-2)

Course Coordinators:

Assist. Prof. Dr. Ruedee (Warinkarn) Hemstapat,
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Date : Jan 16 – Mar 27, 2019

Place : Room B401

Laboratory : Central Animal Facility (CAF)

Part 1				
1	Jan. 16, 2019	13:00-13:15	Orientation: <i>Why are animals used in biomedical science research?</i>	Assist. Prof. Dr. Ruedee Hemstapat
		13:15-16:00	Lecture 1: Standard animal care	Dr. Luis A. Lugo
2	Jan. 23, 2019	13:00-14:00	Lecture 2: Responsibility of principal investigator and research scientist	Dr. Luis A. Lugo
		14:00-15:00	Lecture 3: Animal models in biomedical science: general consideration	Dr. Luis A. Lugo
		15:00-16:00	Class discussion 1 with demonstration: Humane endpoints: What and why?	Dr. Luis A. Lugo
3	Jan. 30, 2019	13:00-15:00	Class discussion 2 with demonstration: <ul style="list-style-type: none"> • Occupational health and safety in the care and use of research animals. • Drugs and agents used in animal experimentation: Analgesics, anesthetics, euthanizing agents, antiseptics and disinfectants 	Dr. Nattapon Panupinthu
		15:00-16:00	Class discussion 3 with demonstration: Visiting Central Animal Facility, Faculty of Science, Mahidol University (MUSC–CAF)	Dr. Visut Rawiwet and Dr.Sutharinee Likitnukul
4	Feb. 6, 2019	13:00-16:00	Class discussion 4 with demonstration: Basic techniques for animal Experimentation- Orientation for the laboratory session	Assist. Prof. Dr. Ruedee Hemstapat
5	Feb. 13, 2019	13:00-15:00	Class discussion 5 with demonstration: <ul style="list-style-type: none"> • Ethics on animal experimentation • How to write an animal use protocol? 	Assoc. Prof. Dr. Tepmanas Bupha-Intr
6	Feb. 20, 2019	13:00-14:30	Class discussion 6 with demonstration: Observation of experimental animals: Pain and distress	Assist. Prof. Dr. Ruedee Hemstapat
		14:30-16:00	Class discussion 7 with demonstration: Basic techniques for animal dissection	Dr. Sutharinee Likitnukul
7	Feb. 27, 2019	13:00-16:00	Written Examination	Assist. Prof. Dr. Ruedee Hemstapat
Part 2				
8	Mar. 6, 2019	13:00-16:00	Lab 1: Basic handling and drug administration techniques: Rat I and hand on exam (Partly) (at Central Animal Facility)	Assist. Prof. Dr. Ruedee Hemstapat and staff (Visut, Sutharinee, Napawan, Scarlett, Orada)
9	Mar. 13, 2019	13:00-16:00	Lab 2: Basic handling and drug administration techniques: Rat II and hand on exam (Partly) (at Central Animal Facility)	Assist. Prof. Dr. Ruedee Hemstapat and staff (Visut, Sutharinee, Napawan, Scarlett, Orada)
10	Mar. 20, 2019	13:00-16:00	Lab 3: Basic handling and drug administration techniques: Mouse and hand on exam (Partly) (at Central Animal Facility)	Assist. Prof. Dr. Ruedee Hemstapat, and staff (Visut, Sutharinee, Napawan, Scarlett, Orada)
11	Mar 27, 2019	13:00-16:00	Lab 4: Written-Short answer exam (at Central Animal Facility) Feedback and Course summary	Assist. Prof. Dr. Ruedee Hemstapat, and staff (Visut, Sutharinee, Napawan, Scarlett, Orada)