

Teaching Schedule
Academic year 2/2019
SCID 514 Animal Experimentation in Biomedical Research 1(0-2)

Course Coordinators:

Assoc. Prof. Dr. Ruedee (Warinkarn) Hemstapat,
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Date : Jan 15 – Mar 25, 2020

Place : Room B401

Laboratory : Central Animal Facility (CAF)

| Part 1 | | | | |
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| 1 | Jan. 15, 2020 | 13:00-13:15 | Orientation: <i>Why are animals used in biomedical science research?</i> | Assoc. Prof. Dr. Ruedee Hemstapat |
| | | 13:15-16:00 | Lecture 1: Standard animal care | Dr. Luis A. Lugo |
| 2 | Jan. 22, 2020 | 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. 29, 2020 | 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. 5, 2020 | 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. 12, 2020 | 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: <ul style="list-style-type: none"> • Basic techniques for animal dissection | Dr. Sutharinee Likitnukul |
| 6 | Feb. 19, 2020 | 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 |
| 7 | Feb. 26, 2020 | 13:00-16:00 | Written Examination | Assist. Prof. Dr. Ruedee Hemstapat |
| Part 2 | | | | |
| 8 | Mar. 4, 2020 | 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. 11, 2020 | 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. 18, 2020 | 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 25, 2020 | 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) |