

SCBE202– General Zoology Laboratory 1 (0-3-1)

1. Subject

SCBE 202 General Zoology Laboratory

2. Credit

1 (0-3-1)

3. Instructor

- 1) Lect. Dr. Warut Siriwut*
- 2) Lect. Dr. Napat Ratnarathorn
- 3) Lect. Assist. Prof. Dr. Chalita Kongrit
- 4) Lect. Assist. Prof. Dr. Ekgachai Jirattitikul

*Course coordinator – contact : Room SC2-310 ; warut.sir@mahidol.edu

Lab assistant: Ms. Krissana Parkpoomkamol

4. Semester/Academic Year

Summer / 2020

5. Pre-requisite & Co-requisite

SCBE 201 General Zoology

7. Location

Mahidol University, Salaya Campus

8. Course description

Laboratory exercises in morphology and diversity of metazoan organism.

9. Total hours

Lecture	Extra-curriculum activity	Laboratory	Self-study
-	-	45	15

10. Objectives

- 1) Justify key diagnosis for classification hypothesis in each animal group
- 2) Obtain the basic technique in anatomical dissection for morphological study
- 3) Describe morphological feature of each animal group in associated with functional mechanism

Course syllabus

Time Laboratory: Tuesday, Thursday 9.00-12.00
 Room MDL - SC3 Building, Mahidol University, Salaya Campus

Class	Date	Topic	Lect. & Lab technician
1	1 June 2021	Diversity of invertebrates I (Introduction)	Warut/ Krissana
2	8 June 2021	Diversity of invertebrates II (Worms /Molluscs)	Warut/ Krissana
3	10 June 2021	Morpological structure of invertebrates II (Worms/Molluscs)	Warut/ Krissana
4	15 June 2021	Diversity of invertebrates III (Arthropods/Echinoderms)	Warut/ Ekgachai/ Krissana
5	17 June 2021	Morpological structure of invertebrates III (Arthropods)	Warut/ Ekgachai/ Krissana
6	22 June 2021	Vertebrate diversity I (Fish/Amphibians)	Warut/ Napat/ Chalita/ Krissana
7	24 June 2021	Vertebrate morphology I (Fish)	Warut/ Napat/ Chalita/ Krissana
8	29 June 2021	Vertebrate diversity II (Reptiles/Mammals)	Warut/ Napat/ Chalita/ Krissana
9	1 July 2021	Vertebrate morphology II	Warut/ Napat/Chalita/ Krissana
	1 July 2021	Field gear preparation	Warut/ Krissana
10	3-4 July 2021	Field survey	Warut/Ekgachia/Napat/Chalita
11	8 July 2021	Report and presentation	

*Thursday 3rd June 2021 - H.M Queen's Birthday

Evaluation

TQF	Evaluation Method	Week	Proportion
1	- Attendance/Attention - Pretest/posttest	1-11	33 %
2.	- Laboratory report	1-11	55 %
3.	- Presentation	11	12 %

References

Miller, SA, and Harvey JP. (2016). Zoology. 10th edition. McGraw Hill. 641 pp.

- Hickman, CP, Jr., Roberts, LS, Keen, SL., Eisenhour, DJ., Larson, A. and I'Anson, H. (2014). Integrated Principles of Zoology. 16th edition. McGraw Hill Education. pp. 823.
- Pechenik, J.A. (1996). Biology of the invertebrates (3rd ed.). Wm.C. Brown Publishers.
- Ruppert, E.E., R.S. Fox, and R.D. Barnes. (2004). Invertebrate Zoology (7th ed.). Brooks/Cole