

SCBI 322 Evolution

Lecture: Wednesday

Time 0930-12:20 Room N516

Date	Topic	Hours	Instructor
	Lecture/Seminar		
13 Jan. 2016	Origins of Evolutionary Thoughts and Theories	3	Jenjit
20 Jan. 2016	Species and Species Concepts	3	Jenjit
27 Jan. 2016	Speciation	3	Jenjit
3 Feb. 2016	Mechanisms of evolution: population genetics	3	Nuttaphon
10 Feb. 2016	Adaptation and natural selection	3	Nuttaphon
17 Feb. 2016	Sexual selection	3	Nuttaphon
24 Feb. 2016	Kin selection	3	Nuttaphon
2 Mar. 2016	Molecular Evolution		Nuttaphon
9 Mar. 2016	Midterm Examination	3	Staff
16 Mar. 2016	Phylogenetics	3	Nuttaphon
23 Mar. 2016	Evolutionary Developmental Biology	3	Nuttaphon
30 Mar. 2016	Origin of Life	3	Jenjit
6 Apr. 2016	วันจักรี		
13 Apr. 2016	วันสงกรานต์		
20 Apr. 2016	Human Evolution I	3	Jenjit
27 Apr. 2016	Human evolution II	3	Jenjit
4 May 2016	Evolution and conservation	3	Jenjit
11 May 2016	Final Examination	3	Staff

Course Evaluation

Midterm examination (45%) final examination (35%) and assignments (20%)

References

- Alcock, J. (1989), Animal Behavior. Sinauer Associates, Inc. Publisher, Massachusetts, USA.
- Freeman, S. and J. C. Herron (2004). Evolutionary analysis. Upper Saddle River, NJ, Pearson Education.
- Futuyma, D.J. (1998), Evolutionary Biology. Sinauer Associates, Inc. Publishers, Massachusetts, USA.
- Halliday, T. (1980), Sexual Strategy. The University of Chicago Press, USA.
- Howard, D.J. and Berlocher, S.H. (1998), Endless Form: Species and Speciation. Oxford University Press Inc., Oxford.
- Ridley, M. (1996), Evolution. Blackwell Science Pty., Ltd., Australia.

Teaching Methods

Lecture 3 hours/topic/week using teaching media and also group seminar to discuss each topics among lecturer and students in order to encourage students to express their opinion and ideas.

Teaching Media

Powerpoint, handouts, transparencies and video of Animal Planet, Discovery Channel and National Geographic Society programs.

Course Achievement

Using Mahidol University's grading standards (A, B+, B, C+, C, D+, D and F)

Instructors

- Dr. Nuttaphon Onparn
Dr. Jenjit Khudamrongsawat

Course Coordinator Dr. Nuttaphon Onparn