Course Name	Frontiers in Ecology and Evolution		
Semester, Year	２学期（秋ターム）	Number of Credits	1 credits
Course level	5000	Course Number	27092
Instructor(s) (Institution)	Hitoshi ARAKI (大学院農学研究院)		
Course Objectives	In this course, we learn concepts and techniques of ecology, evolution and conservation through profound discussions on peer-reviewed papers in scientific journals.		
Course Goals	1. Understand the concepts of ecology, evolution and conservation 2. Evaluate scientific manuscript critically 3. Summarize peer-reviewed papers and give presentations for discussion 4. Lead and contribute to scientific discussions		
Course Schedule	We assign a discussion leader for each paper of interest. The discussion leader will summarize the paper at the beginning of each course, followed by discussions over the paper. The scientific papers include ecology, evolution and conservation. The study species may include not only animals but also plants and micro-organisms.		
Homework	Read the paper thoroughly in advance and prepare for discussion. Each member is expected to provide some idea(e.g. questions, critics, better methods) to the discussion each time.		
Grading System	Contribution to the open discussion（70%) and strategy for leading the discussion（30%） are evaluated. No final exam.		
Textbooks / Reading List			
Websites			
Website of Laboratory	http://www.agr.hokudai.ac.jp/animalecology/en/		
Additional Information			