

登録コード	SSE13500	開講年度	2026				
授業題目	進化生物学演習 I					担当教員	高橋 耕一 他
英文授業名	Evolutionary biology seminar I					副担当	東城 幸治・今津 道夫・笠原 里恵・松本 卓也
単位数	4	講義期間	通年	曜日・時限	不定期		
講義室					備考		
信大コンベンション	非該当						
(1)授業の達成目標	【ディプロマ・ポリシー】				⇔	【授業の達成目標】	
	2 4SSカリ・理学						
	【DP1】 人類, 社会の平和的・持続的発展のために, 研究者・技術者として科学・技術を発展させるための学際的な幅広い見識と健全な倫理観				⇔	演習をとおして, 人類, 社会の平和的・持続的発展のために, 研究者・技術者として科学・技術を発展させるための学際的な幅広い見識と健全な倫理観を習得できるようになる.	
	～24SS【DP2】 環境調和社会, 知識基盤社会を支える高い知的素養				⇔	演習をとおして, 環境調和社会, 知識基盤社会を支える高い知的素養を習得できるようになる.	
	～24SS【DP3】 それぞれの研究分野における高度な専門的知識とグローバルな情報収集・発信能力				⇔	演習をとおして, それぞれの研究分野における高度な専門的知識とグローバルな情報収集・発信能力を習得できるようになる.	
	【DP4】 創造性豊かな優れた研究・開発能力				⇔	演習をとおして, 創造性豊かな優れた研究・開発能力を習得できるようになる.	
	2 6SSカリ・理学, 2 5SSカリ・理学, 2 4SSカリ・理学						
	【DP5】 専門知識に基づいた見識を持ち, その妥当性を理論的に説明し, 議論する能力				⇔	The goal to gain abilities to make her/his own verbal arguments on biological features that are present in breeding populations and their diversity within and between populations.	
(2)授業の概要	Each student performs critical arguments against the core papers by reviewing the background literature and leads discussion in seminars. This requires original preparation of written materials for the other attendants (classmates) and effective use of real-time writing on the white board in the classroom to display conceptual issues and to visualize the focal points to be argued.						
(3)授業のキーワード	insight, impact, history making, epoch making, argument against, argument for, critical reading, skepticism, hypothesis, prediction, rejecting the null prediction.						
(4)授業計画	The seminars (class) proceed weekly under supervision by faculty members of Department of Biology who are involved in research in evolutionary biology. This seminar series goes on in parallel among their laboratories. Students answer the course questionnaire at the last class.						
(5)成績評価の方法	Performance of each student is evaluated based on the quality and quantity of questions and discussion onto subjects and seminars that are distantly related to her/his own theme in graduate research.						
(6)成績評価の基準	The weekly performance of each student is scored primarily based on how many different questions/comments, which were positive for leading discussion, she or he has made verbally. It is however essential that those verbal actions are meaningful in terms of utilizing fundamental concepts and theories as exercise to doubt and/or rule out impression-oriented explanation of empirical observations.						
(7)事前事後学習の内容	Casual reading literature in world-leading multidisciplinary journals is crucial. Second, frequent attempts of talking with friends about those issues that appear in the literature in lunch time and any other occasions outside the classroom or the lab are also extremely effective.						
(8)履修上の注意	Keep it in your mind that you do not exist unless talking.						
(9)質問,相談への対応	Visit the faculty member's office for questions and help in seminars, discussions, preparations etc.						
【教科書】	特に指定しない.						
【参考書】	特に指定しない.						