

科目ナンバリング									
授業科目名 <英訳>		Introduction to Biological Invasion-E2 Introduction to Biological Invasion-E2			担当者所属 職名・氏名		生存圏研究所 講師 YANG , Chin-Cheng		
群	統合科学科目群			分野(分類)	環境		使用言語	英語	
旧群		単位数	2単位	週コマ数	1コマ	授業形態	講義 (対面授業科目)		
開講年度・ 開講期	2025・後期		曜時限	木4		配当学年	主として1・2年生	対象学生	全学向
[授業の概要・目的]									
<p>The purpose of this introductory course is to provide students a fundamental understanding of biological invasions as invasive alien species represent the 2nd severest threat on Earth's ecosystems. This lecture will introduce various red-flag invasive species (from virus to vertebrate) that have been introduced into Japan and other parts of the world and focus on how these species impact the ecosystem. In addition to lectures, students will have opportunities to explore the invasive species through a diverse set of practices including field trip (campus or national park), movie and hands-on section.</p>									
[到達目標]									
<p>Students will gain an understanding of the core principles of biology and management of invasive species from infamous examples (ex. fire ants, cane toad...). The ultimate goal is to have students confront the problems that we human beings have been ignoring and thus facilitate the global attention on this costly issue.</p>									
[授業計画と内容]									
<p>Week 01: Course introduction Week 02: Introduction to biological invasion I Week 03: Introduction to biological invasion II Week 04: World worst invasive insect Week 05: World worst invasive arthropod Week 06: World worst invasive plant/fungi Week 07: Field trip* (see Others for more details) Week 08: Movie for invasive disease/discussion Week 09: World worst invasive mammals Week 10: How invasive species related to global change/Discussion Week 11: How invasive species threaten our Humanosphere/Case study Week 12: How to control invasive species Week 13: Studnet Oral presentation 01 Week 14: Studnet Oral presentation 02 Week 15: Term papers Week 16: Feedback</p>									
[履修要件]									
特になし									
[成績評価の方法・観点]									
50% in-class discussion; 30% term paper; 20% presentation									
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Introduction to Biological Invasion-E2(2)

[教科書]

MA Davis 『Invasion biology』 (Oxford University Press, 2009)

[参考書等]

(参考書)

MN Clout, PA Williams 『Invasive species management: a handbook of principles and techniques』 (Oxford University Press, 2009)

[授業外学修 (予習・復習) 等]

Students are encouraged to preview lecture materials and participate in class discussion, as lecture materials and most of the supplementary readings will be posted on KULASIS and Panda at least 1 day in advance.

[その他 (オフィスアワー等)]

Lecturer: Chin Cheng Yang (ccyang@rish.kyoto u.ac.jp)

Office: HW 412, Research Building No. 1, Uji Campus

Office hours: to be announced

Note: There is a possibility that the instructor may organize a field trip that normally is a one-day event on the weekend, instead of the regular slot of this lecture. The lecturer will discuss date and time with students for the field trip at the beginning of the semester. Students are advised to pay the travel expense. Also, be advised to obtain the insurance for study and research “ Personal Accident Insurance for Students Pursuing Ed. & Rsch.(学生教育研究災害傷害保険) ” if you decide to take the class

[主要授業科目 (学部・学科名)]