

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	2024・後期		曜時限	火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 invasion as it represents the 2nd severest threat on Earth's ecosystems. This lecture will introduce various notorious 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 human ecosystem. In addition to lectures, students will have opportunities to explore the invasive species in diverse ways 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 famous examples (ex. fire ants, cane toad...). The ultimate goal is to have students confront the problems that we human have been ignoring, thus facilitating 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: WWorld worst invasive plant Week 07: Movie for invasive disease/Discussion Week 08: World worst invasive mammals Week 09: World worst invasive other vertebrates Week 10: How invasive species threaten our Humanosphere/Case study Week 11: How invasive species related to global change/Discussion Week 12: How to control invasive species Week 13: Studnet Oral presentation Week 14: Field trip to Osakajo Park Week 15: Final Week 16: Feedback</p>									
[履修要件]									
特になし									
[成績評価の方法・観点]									
70% in-class discussion/student oral presentation; 30% final									
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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 some supplementary readings will be posted on KULASIS and PANDA at least 1 week ahead. Lecture, discussion and assignment are all in English.

[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: The field trip normally is a one-day event, and will be carried out on the weekend, instead of the regular slot of this lecture. The lecturer will discuss preferred date and time with students at the beginning of the semester. Students are advised to pay the travel expense.

When you decide to take the class, you must have 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) ” .