

<b>Course number</b>	U-LAS61 10011 LE68					
<b>Course title (and course title in English)</b>	Insect-human Interactions-E2 Insect-human Interactions-E2		<b>Instructor's name, job title, and department of affiliation</b>	Research Institute for Sustainable Humanosphere Senior Lecturer, YANG, Chin-Cheng		
<b>Group</b>	Interdisciplinary Sciences		<b>Field(Classification)</b>	Environmental Sciences		
<b>Language of instruction</b>	English		<b>Old group</b>		<b>Number of credits</b>	2
<b>Number of weekly time blocks</b>	1	<b>Class style</b>	Lecture (Face-to-face course)		<b>Year/semesters</b>	2025 • First semester
<b>Days and periods</b>	Thu.4	<b>Target year</b>	Mainly 1st & 2nd year students		<b>Eligible students</b>	For all majors
<b>[Overview and purpose of the course]</b>						
<p>The purpose of this course is to promote students' understanding of insects in our surroundings. The lecture will start with fundamentals of insects, followed by introduction to "bad" or "good" insects from the human perspectives. The course will focus student's attention on</p> <ol style="list-style-type: none"> <li>1. how important insects are in our daily life;</li> <li>2. how insects threaten our life quality;</li> </ol> <p>Examples from classic case studies will be utilized to bridge non-biology background students with the course content. Hands-on session and possibly a field trip will be conducted to facilitate students' awareness and knowledge of common insects in the daily life.</p>						
<b>[Course objectives]</b>						
<p>The expectations and goals for the students taking this course are</p> <ol style="list-style-type: none"> <li>1. students can get to understand "benefits" and "threats" of insects to mankind;</li> <li>2. to understand how insects are related to human and our society;</li> <li>3. eventually pay more attention/respect on this group of creatures.</li> </ol>						
<b>[Course schedule and contents]</b>						
<p>In principal, the course will be offered as the following plan. However, the order or time for each theme may change depending on the progressive of the course or handling on current topics. Note that students may have to pay their own transportation fee for the proposed field trips.</p> <p>Week 01: Course introduction</p> <p>Week 02: What are insects? - Introduce what insects look like and general insect biology</p> <p>Week 03: Insect vs. human - The relationship between insect and human in general</p> <p>Week 04: Good insects: Let's eat insects, shall we? - Edible insects and human beings</p> <p>Week 05: Good insects: Insect-inspired products in our daily life</p>						
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## **Insect-human Interactions-E2(2)**

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- How human society is benefited by insect-related inspiration

Week 06: Good insects: Insects as ecosystem service providers

- The role of insect in our ecosystem

Week 07: Good insects: Biological control using insects

- Insects that serve in our agriculture

Week 08: Insect collection trip (@ Yoshida campus)

- Collect insects at Yoshida campus

Week 09: Bad insects: Insects that vector disease

- Vector-borne disease

Week 10: Bad insects: Insects as nuisance pest/entomophobia 01

- Household pest insects including cockroach, ant and others

Week 11: Bad insects: Insects as nuisance pest/entomophobia 02

- Household pest insects including cockroach, ant and others

Week 12: Bad insects: Venomous & poisonous insects

- Insects that are poisonous and possess a venomous sting

Week 13: Student oral presentation 01

- Group presentation

Week 14: Student oral presentation 02

- Group presentation

Week 15: Term paper

Week 16: Feedback

### **[Course requirements]**

None

### **[Evaluation methods and policy]**

40% in class discussion, 30% term paper, 30% presentation

### **[Textbooks]**

MR Berenbaum 『Bugs in the system: insects and their impact on human affairs』 ( Perseus Publishing, 1995 )

### **[References, etc.]**

( **References, etc.** )

Introduced during class

to be announced according to the content of a given class each week

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## Insect-human Interactions-E2(3)

### [Study outside of class (preparation and review)]

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.

### [Other information (office hours, etc.)]

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

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

Office hours: to be announced

Note: Students are 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.

### [Essential courses]