科目ナンバリング	U-LAS70 10001 SJ50						
授業科目名 <英訳>	ILASセミナー ：無脊椎動物の古生物学 ILAS Seminar :Invertebrate Paleontology			担当者所属 職名・氏名	白眉センター 特定助教 田近　周		
群	少人数群	単位数	2単位	時間数	30時間	授業形態	ゼミナール（対面授業科目）
開講年度・ 開講期	2026・ 前期集中	受講定員 (1回生定員)	5 (5) 人	配当学年	主として１回生	対象学生	全学向
曜時限	集中 8月末もしくは9月初頭一週間	教室	吉田南3号館305			使用言語	英語
キーワード	paleontology / invertebrates / fossils / earth sciences / rocks						

[授業の概要・目的]

The course covers the evolution, systematics, and ecology of invertebrates with fossilizable hard parts within the context of Earth history. It provides an overview of the diversity and phylogeny of the most important taxa and discusses the interaction of biotic and abiotic factors that led to the modern biota. Participants also learn how marine invertebrates are important material for better understanding paleoenvironments and diversity. The course includes a short excursion in/near Kyoto, on which participants can observe and identify fossils.

[到達目標]

- Gain an overview of the ecology, evolution, and body plan of major invertebrate taxa throughout Earth history.
- Identify and systematize the major invertebrate fossil taxa.
- Apply the fundamentals of paleontological analysis to interpret fossil data and paleoenvironments.

[授業計画と内容]

This crash course is scheduled for sometime late August-early September (exact dates TBD).

This course consists of lectures and practical sessions for every topic covered.
1. Introduction, Protista and Porifera
2. Cnidaria
3. Gastropoda
4. Brachiopoda and Graptolithina
5. Arthropoda
6. Bivalvia
7. Cephalopoda
8. Echinodermata
9. Methods in invertebrate paleontology
10. Students' presentation

One-day excursion near/in Kyoto (date TBD)

[履修要件]

特になし

[成績評価の方法・観点]

Active participation: 40%
Quiz (small exams for each topic): 20%

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Report: 20%
Presentation: 20%

[教科書]

使用しない

[参考書等]

（参考書）
授業中に紹介する

[授業外学修（予習・復習）等]

No special preparation or background required.

[その他（オフィスアワー等）]

This course does NOT include the collection of fossils in the field, but participants will get hands-on experience with fossils in the practical sessions.

[主要授業科目（学部・学科名）]