

G30 Earth and Environmental Sciences Graduate Program

Course : Master's Course

Subject Type : Type 1 Subject

Instructor : Designated Assoc. Prof. HUMBLET Marc Andre

Credits : 2

Semester : Spring

Class schedule : Wed. 3rd

Classroom : Room 132/School of Science, Building E

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● Objective

This course aims to provide students with a deeper knowledge of fundamentals topics in marine geology with a special emphasis on paleoenvironmental reconstructions and sea-level changes. Study cases will be presented and discussed in class to develop student understanding of current research topics.[ Corresponding to DP1 ]

● Contents

Important note: Due to exceptional measures taken this year in response to the coronavirus outbreak, students who intend to take this course should contact the teacher by e-mail using the following address: [humblet.marc@f.mbox.nagoya-u.ac.jp](mailto:humblet.marc@f.mbox.nagoya-u.ac.jp)

This course covers major topics in marine geology, including the formation process of ocean basins, seafloor geomorphology, the nature and distribution of marine sediments, paleoenvironmental reconstructions, sea-level changes, and marine geological resources. The first part of the course will be an introduction to fundamental concepts in marine geology. The second part will be dedicated to case studies, in-class discussions based on readings, and student presentations.

● Grading Criteria

Grading is based on reading assignments and oral presentations.

● Course Textbook

References will be introduced as needed.

● Recommended Reference Books, Other Study Material, and notes

Seibold, E. and Berger, W. (2017). The Sea Floor: An introduction to Marine Geology. Springer, 4th Edition, 268 pages.

● Language in class

- Presentation & Materials : English only
- Oral explanations : English only
- Questions in English : Available

● e-mail address / Tel No / Room of Instructor(s)

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