

シラバス参照

科目名/Subject	【JYPE】 自然災害科学の基礎と防災への適用
曜日・講時/Day/Period	前期 水曜日 3 講時
科目群/Categories	JYPE科目
単位数/Credit(s)	2
対象学部/Object	【JYPE】 Basic of Natural Disaster Science and Its Application for BOSAI
担当教員(所属) /Instructor (Position)	Wednesday 3rd (13:00-14:30)
セメスター/Semester	Engineering
科目ナンバリング /Course Numbering	-
使用言語 /Language Used in Course	

授業題目 /Class Subject	Basics of Disaster Science and Its Application for BOSAI
授業の 目的と概要 /Object and Summary of Class	This class focuses on various aspects of disaster science and their practical application for disaster mitigation and risk reduction
学修の 到達目標 /Goal of Study	Throughout the concepts of disaster management and preparedness, students will learn and discuss the basics of disaster history, hazard generation and mechanisms, their impact, related emergency response, medical needs and post-disaster reconstruction.
授業内容・ 方法と 進度予定 /Contents and Progress Schedule of the Class	<p>Google Classroom Code: 3hruvep</p> <p>Week 1 (4/26): Course introduction and Overview of Disasters in the World.</p> <p>Week 2 (5/10): Basics of Earthquake Mechanism and Crustal Deformation.</p> <p>Week 3 (5/17): Tsunami Modeling and Applications.</p> <p>Week 4 (5/24): Tsunami Evacuation Simulation.</p> <p>Week 5 (5/31): Earth Observation Techniques for Disaster Management.</p> <p>Week 6 (6/07): Disaster Memorial Museums.</p> <p>Week 7 (6/14): Disaster Recovery and redevelopment.</p> <p>Week 8 (6/21): Cognitive Science for BOSAI.</p> <p>Week 9 (6/28): Issues in post-disaster reconstruction.</p> <p>Week 10 (7/05): Cascading disasters and Natech risk management.</p> <p>Week 11 (7/12): Medical assistance in large-scale disasters.</p> <p>Week 12 (7/19): Disaster History and Anthropology.</p> <p>Week 13 (7/26): Discussion on the future of disaster science and disaster prevention.</p> <p>Week 14 (8/02): Final presentation by student groups.</p>
成績評価 方法 /Evaluation Method	Evaluation is performed based on the quality of final report and attendance.

教科書
および
参考書
/Textbook
and
References

関連URL
/URL

授業時間外
学修
/Preparation and Review
Students must prepare and review with textbooks, reference books, and lecture materials.

その他
/In Addition

更新日付
/Last Update
2023/04/05 23:01

1単位の授業科目は、45時間の学修を必要とする内容をもって構成することを標準としています。1単位の修得に必要な学修時間の目安は、「講義・演習」については15～30時間に授業および授業時間外学修（予習・復習など）30～15時間、「実験、実習及び実技」については30～45時間の授業および授業時間外学修（予習・復習など）15～0時間です。

One-credit courses require 45 hours of study. In lecture and exercise-based classes, one credit consists of 15-30 hours of class time and 30-15 hours of preparation and review outside of class. In laboratory, practical skill classes, one credit consists of 30-45 hours of class time and 15-0 hours of preparation and review outside of class.