科目ナンバリング U-LAS61 10015 LE14																
授業科目 <英訳>		E2 E2			担当者所属 職名・氏名		防災研究所		教授 S		Same	Sameh Kantoush				
群	統合科学科目群				分野(分類) 環境						使用		可用言語	用言語 英語		
旧群	B群	単位数	2単位		週コマ数	1	コマ		授業	業形態 講		義(対面授 		業科	業科目)	
開講年度・ 開講期	2025 ·	5・後期 曜時限 オ		木-	:4			配当	é 学年	年 全回:			対象学生		全学向	
[授業の概要・目的]																
disasters Historic c effects, an approach examples around us [到達目; By the en -Understa humans. -Be able f -Be able f	acientific principles to explain current technical issues and impacts of climate change on water related disasters. Historic catastrophes will be emphasized. Based on these understandings, all students will study causes, effects, and options available to predict, control, and mitigate natural disasters and social scientific approaches. Examples from recent and ancient history will be used and, whenever possible, Japanese examples will be identified. Knowledge gained in this course will allow for a better understand the world around us and a greater appreciation of the potential issues moving forward for humans. [到達目標] By the end of this course student will: Understanding of the world around us and a greater appreciation of the potential issues moving forward for numans. Be able to distinguish and analyze various types of natural disasters? Be able to gain analytical skills for how to develop strategies for prediction, mitigation of flooding, climate change impacts and sedimentation disasters															
[授業計画と内容]																
Week1: I Week2: I Week3-4 Week5: T Week6-7 Week8-9 Week10- Week12- Week14: Week15:	 Week1: Introduction to Natural Disasters and Hazards Week2: Disaster Risk Reduction, Management, and Risk Assessment Week3-4: Geological Hazards: Earthquakes Causes, Measurements, Mitigation and Risks Week5: Typhoons, Cyclones, and Hurricanes Week6-7: Flooding as a Hazard: Monitoring, Prediction, and Mitigation Week8-9: Report and Group Presentations Week10-11: Landslides and Debris Flow Disaster: Monitoring, Predication, and Mitigation Week12-13: Coastal Hazards: Monitoring, Prediction, and Mitigation Week14: Warning and Evacuation Week15: Revision and Summary (group presentation) Week16: Feedback 															
[履修要件]																
特になし	,															
[成績評価の方法・観点] Grades will be based on participation and collaboration in group work discussions and cooperative activities, writing reports associated with each topic of natural disasters that have occurred during the course. Evaluation will be based on class attendance, active participation (40%), and reports and group presentations on major natural disasters that occur during the time period of the course (60%). Natural Disaster Science-E2(2)へ続く														e. resentations		

Natural Disaster Science-E2(2)

[教科書]

E.A. Keller and D.E. DeVecchio [®]Natural Hazards, Earth's Processes as Hazards, Disasters, and Catastrophes, ^a (Pearson) ISBN:100-321-93996-4

[授業外学修(予習・復習)等]

Students are requested to read carefully listed textbook and access to historical case studies on each natural disaster through website and related literatures.

[その他(オフィスアワー等)]

Class participation and questions are very welcome during the lectures or at the end of the lecture. The schedule of office hours will be announced later. Moreover, if you have extra question, students may contact me by email.

[主要授業科目 (学部・学科名)]