	、リング							
授業科目名 <英訳>								
群	少人数群	単位数	2単位	週コマ数	コマ	授業形態	ゼミナール(対面授業科目)	
開講年度・ 開講期	2025・前期	受講定員 (1回生定員)	15 (10) 人	配当学年	主として10	回生 対象学生	全学向	
曜時限	火5 教:		室 1共04		使用言語	英語		
キーワード	Dams and I	Reservoirs / I	Eco-Socio-Hyd	ro / Sedimer	it managem	ent / Dam remov	val / Aged dam	
[授業の概要・目的]								
downstream reduced, water quality declines, fish populations suffer and people 's livelihoods are put at risk. This seminar course introduces students to the basic principles of dam design, types, and focuses on the main uses of dams and reservoirs. Despite their controversy, dams and reservoirs are very important in many disciplines that serve a number of different functions but one of the largest is to supply water. This beginning course provides important background for all sciences and engineering disciplines and bridging the mechanics of fluids in our everyday lives. We seek to excel/apply dam and reservoir to diverse areas of social, environment, human health, and engineering. During lectures videos of real dams and reservoirs and actual examples will be discussed, to improve students understanding of real life problems. Finally, a presentation will be required to demonstrate the learned principles applied in the student's majors.								
[到達目標]								
the different the compreh the negative	types and c nensive sedir impacts and	classifications ment manage	will be able to of dams and r ment technique neasures for da upgrade	eservoirs; es;	ion;			
[授業計画。	と内容]							
Week 1: In Week 2: In Week 3: V Week 4: D Week 5: D Week 5: D Week 6: D Week 7: N Week 8: B Week 8: B Week 9: S Week10: R Week11: S Week12: D	ntroduction- ntroduction- Vhat is a Rea Dams in Japa Dam Impacts Dam Impacts Dam Impacts Aid Term Re Basic and Pri Basic And Pri	Classification servoir?- Def an- Past, Pres s- Ecology, E s- Mitigation eport inciples of Da Dams dimentation anagement Te al Projects echnologies to	_	t types of dan of Reservoir ocial, health, inimize dam	ns s and Const Flow	ruction		

ILAS Seminar-E2: Dams and Reservoirs (ダムと貯水池) (2)

Week15: Final Report

[履修要件]

特になし

[成績評価の方法・観点]

Report and presentation (100%)

[教科書]

Morris, Gregory L. and Fan, Jiahua. [®]Reservoir Sedimentation Handbook[®] (McGraw-Hill Book Co., New York) (http://www.reservoirsedimentation.com/)

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.

[参考書等]

(参考書)

Japan Commission on Large Dams - JCOLD ^PDams in Japan: Past, Present and Future (CRC Press, A Balkema Book) ISBN:978-0-415-49432-8

[授業外学修(予習・復習)等]

I will read students report and feedback on his printed report directly. Also, students are required to do presentation and introduce his final report.

[その他(オフィスアワー等)]

[主要授業科目 (学部・学科名)]