

シラバス

ナンバリングコード/科目番号	OATHA16 / 01EQ411	
科目名	量的研究の批判的評価法	
科目名 (英語)	Critical Appraisal in Quantitative Health and Social Sciences Research	
授業形態	講義	
標準履修年次	1・2年次	
実施学期・曜時限等	春C・月曜3~4限、木曜3~4限	
使用教室	オンライン	
単位数	1	
担当教員名	Togoobaatar Ganchimeg	
使用言語 (☑してください)	<input type="checkbox"/> 日本語 ・ <input checked="" type="checkbox"/> 英語 ・ <input type="checkbox"/> バイリンガル	
ティーチングフェロー(TF)・ ティーチングアシスタント (TA)	なし	
オフィスアワー等	随時 (要予約) ganchimeg-t@md.tsukuba.ac.jp	
学位プログラム・コンピテン スとの関係	汎用	知の活用力
	専門	疫学・生物統計学の応用能力
授業の到達目標 (学修成果)	By the end of the course, students will be able to interpret research studies involving quantitative methods.	
他の授業科目との関連	OATHA17 / 01EQ412 システマティックレビュー・メタアナリシス入門	
履修条件	なし	
授業概要	The course will provide students with experience in critically appraising a range of research methods and familiarize them with a variety of biostatistical approaches. Students will use a variety of frameworks to critically appraise literature from their chosen field of study and examine and discuss the implications for evidence-based practice.	
キーワード	Quantitative research, study designs, public health research, critical appraisal	
授業計画	<p>Lectures will be given online. For more information on how to take this course, please contact the course coordinator (ganchimeg-t@md.tsukuba.ac.jp) before registration. Please ignore the dates in the following lesson plan.</p> <p>1. July 2, 3-4th period Introduction to levels of evidence and quantitative research Frameworks for critical appraisal</p>	

	<p>2. July 6, 3-4th period Concepts of bias and confounding Critical appraisal of randomized controlled trials</p> <p>3. July 9, 3-4th period Critical appraisal of cohort studies Student team work: presentation and discussion I</p> <p>4. July 13, 3-4th period Critical appraisal of cross-sectional studies Critical appraisal of case-control studies</p> <p>5. July 16, 3-4th period Critical appraisal of systematic review Student team work: presentation and discussion II</p>
学修時間の割り当て及び授業外における学修方法	Coursework assignments have to be done before/after the class, as instructed.
単位取得要件	More than 70% attendance is required to earn the credit.
成績評価方法	<p>Participation (70%): Active contribution to discussion, sharing ideas and insights, is critical to the success of project-centered methods training.</p> <p>Coursework assignments (30%): Homework assignments include interaction/responses to classmates taken from topics covered in class</p>
教材・参考文献・配付資料等	<p>1. Mark Elwood. Critical Appraisal of Epidemiological Studies and Clinical Trials. 3rd Edition.</p> <p>2. Leslie Gross Portney and Mary P. Watkins. Foundations of Clinical Research: Applications to Practice, 3rd edition.</p>
その他（受講生にのぞむことや受講上の注意点等）	