

授業科目名	量的研究の批判的評価法
科目番号	OATHA16
単位数	1.0 単位
標準履修年次	1 年次
時間割	春C 金3,4
担当教員	Togoobaatar Ganchimeg
授業概要	この科目では、科学論文において使用された手法や解析について、クリティカル・アプレイザルを行う機会を提供する。それぞれの専門領域におけるクリティカル・アプレイザルのフレームワークを応用して、エビデンスに基づく実践について議論を行う。
備考	英語で授業。
授業方法	講義
学位プログラム・コンピテンスとの関係	Knowledge Application Competence, Epidemiology
授業の到達目標（学修成果）	The course will provide students with experience in critically appraising a range of research methods and familiarize them with a variety of bio-statistic 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.
授業計画	<p>Lectures will be given online (synchronous) and in classroom 4F 305 (face-to-face). Please contact the course coordinator (ganchimeg-t@md.tsukuba.ac.jp) upon registration for further information on how to take this course.</p> <p>1. July 7, 3-4th period Introduction to levels of evidence and quantitative research Frameworks for critical appraisal</p> <p>2. July 14, 3-4th period Concepts of bias and confounding Critical appraisal of randomized controlled trials</p> <p>3. July 21, 3-4th period Critical appraisal of cohort studies Student team work: presentation and discussion I</p> <p>4. July 28, 3-4th period Critical appraisal of cross-sectional studies Critical appraisal of case-control studies</p> <p>5. August 4, 3-4th period Critical appraisal of systematic review Student teamwork: presentation and discussion II</p>
履修条件	Coursework assignments have to be done before/after the class, as instructed.
成績評価方法	More than 70% attendance is required to earn the credit.
学修時間の割り当て及び授業外における学修方法	Participation (70%): Active contribution to discussion, sharing ideas and insights, is critical to the success of project-centered methods training. Coursework assignments (30%): Homework assignments include interaction/responses to classmates taken from topics covered in class
教材・参考文献・配付資料等	1. Mark Elwood. Critical Appraisal of Epidemiological Studies and Clinical Trials. 3rd Edition.

教材・参考文献・配付資料等	2. Leslie Gross Portney and Mary P. Watkins. Foundations of Clinical Research: Applications to Practice, 3rd edition.
オフィスアワー等（連絡先含む）	ganchimeg-t at md.tsukuba.ac.jp
その他（受講生にのぞむことや受講上の注意点等）	
他の授業科目との関連	
ティーチングフェロー（TF）・ティーチングアシスタント（TA）	
キーワード	Quantitative research, study designs, critical appraisal, public health