

シラバス Syllabus	医学学位プログラム	医学学位プログラム Doctoral Program in Medical Sciences
科目番号 Course Number	OBTNA1F	OBTNA1H
科目名 Subject	English Topics in Science I	English Topics in Science II
授業形態 Course Type	Seminar	Seminar
使用言語 Language used	English	English
単位数 Credit	1.0	1.0
標準履修年次 Year	1-4	1-4
実施学期・曜時間等 Semester, Day and Period	I : SpringAB/ II : AutumnAB, TBA	I : SpringAB/ II : AutumnAB, TBA
開講場所 Room Number	Online	Online
学位プログラム・コンピテンストとの関係 Relation to Degree Program Competences	【汎用】コミュニケーション能力、国際性 Communication skills, International and global views	【汎用】コミュニケーション能力、国際性 Communication skills, International and global views
	【専門】研究課題設定力、先端研究遂行力、専門知識運用力、情報発信力 Research planning skills, Cutting-edge research execution skills, Working knowledge in the specialized field, Information and communication technology skills	【専門】研究課題設定力、先端研究遂行力、専門知識運用力、情報発信力 Research planning skills, Cutting-edge research execution skills, Working knowledge in the specialized field, Information and communication technology skills
授業の到達目標（学修成果） SBO (Specific Behavior Objectives)	To develop critical thinking skills reflective of the doctoral level of expertise.	To develop critical thinking skills reflective of the doctoral level of expertise.
キーワード Keyword	scientific concepts, biochemistry, molecular biology, discussion	scientific concepts, biochemistry, molecular biology, discussion
授業計画 Course Schedule 第1回(月日、時間)担当教員名 講義内容など	The class will be held online. Students will receive notice about a Zoom or other online-capable meeting.	The class will be held online. Students will receive notice about a Zoom or other online-capable meeting.
	1) Introduction, 2) Problems and Hypothesis 3) Methodologies 4) Success ppt 5-9) Discussion and work 10) Final presentations etc.	1) Introduction 2) Virology/ Clinical Medicine/Public Health 3) Public Health/ Agricultural Sciences 4) Microbiology/ Clinical Medicine/ Public Health 5) Public Health/ Exercise Physiology/ Biochemistry 6) Psychology/ Public Health/Social Sciences 7-9) Project works 10) Final presentations etc.
履修条件 Course Prerequisites	None	None
単位取得要件 Requirement to earn credit	70% or better as defined by University of Tsukuba Rules	70% or better as defined by University of Tsukuba Rules
成績評価方法 Grading Philosophy	C or higher grade: the student has demonstrated that he/she has acquired basic-level scientific English communication skills. B or higher grade: the student has demonstrated that he/she has acquired intermediate-level English communication skills. A grade: the student has demonstrated that he/she has acquired high-intermediate scientific writing skills. A+ grade: the student has demonstrated that he/she has acquired high-level scientific English communication skills	C or higher grade: the student has demonstrated that he/she has acquired basic-level scientific English communication skills. B or higher grade: the student has demonstrated that he/she has acquired intermediate-level English communication skills. A grade: the student has demonstrated that he/she has acquired high-intermediate scientific writing skills. A+ grade: the student has demonstrated that he/she has acquired high-level scientific English communication skills
学修時間の割り当て及び授業外における学修方法 Learning method, Out-of-class learning	Seminar 75 %, Training 25 %. Out-of-Class leaning: Looking back and confirm the important points after each class.	Seminar 75 %, Training 25 %. Out-of-Class leaning: Looking back and confirm the important points after each class.
教材・参考文献 Textbook etc	Online material	Online material
担当教員名・オフィスアワー等 Faculty Members and E-mail	No specific hours. Please contact by e-mail for appointment in advance. Chair of Academic Committee, Bryan J. Mathis: bmathis(at)md.tsukuba.ac.jp	No specific hours. Please contact by e-mail for appointment in advance. Chair of Academic Committee, Bryan J. Mathis: bmathis(at)md.tsukuba.ac.jp
その他（受講上の注意点等） Notes		
他の授業科目との関連 Relation to Other Courses	OBTNA1H / English Topics in Science II	OBTNA1F / English Topics in Science I
TF・TA		
授業概要 GIO	Students will learn the latest technology in English, while improving their English vocabulary and communication skills for scientific discussions in various research fields. Students will acquire critical perspectives and questioning skills appropriate for Ph.D. Course I covers biochemistry, molecular biology and related fields.	To reinforce English vocabulary and fluency in discussing scientific concepts in a diverse array of research fields while introducing cutting edge technologies. Students will develop critical thinking and questioning skills for use in conferences, presentations and daily scientific work. Course II covers molecular genetics, immunology, microbiology and related fields.