Category (科目区分)	Basic subjects		
Course Title (授業科目名)	Basic Medical English		
Instructors (担当者名)	Academic Affairs Chair	Academic Year (配当年次)	1
Required Course / Elective Course (必修/選択)	Elective Course	Credits (単位数)	1
Class Format (授業形態)	Lecture		
Schedule (開講期間)	Students will be notified by email after completing the course registration.		
Class Date/Period (開講曜日・時間)	Students will be notified by email after completing the course registration.		

Course Outline/ Course Objectives

The purpose of this course is to improve students' English reading comprehension, to develop their ability to understand original papers, to grasp the current state of the research field, and to discuss research results by translating into Japanese and summarizing the main points of English papers on a given topic and giving a presentation in the laboratory of the supervising professor.

How to proceed with lectures
(1) The supervising professor will present the theme of this course. (2) Students will search for English papers on the theme, translate them into Japanese, summarize the main points, and prepare presentation materials. 3) Based on the presentation materials, students will give a presentation on Zoom. Based on the presentation materials, students will give a presentation on Zoom. The instructor will provide guidance on how to summarize the presentation.

Course Plan

	Course Outline/ Course Objectives(授業の概要及び到達目標) (Contents of Class) ((授業内容))	Instructor (担当教員名)	Department (講座名)
	Basic researches on psychiatric and neurological disorders	Prof. Yoshio Bando	Department of Anatomy
	Expression and subcellular localization of the lipid second messenger metabolizing enzyme	Prof. Yasukazu Hozumi	Department of Cell Biology and Morphology
	The research methods range from genetics to electrophysiology (patch clamp method). The research topics are listed below. 1. structural and functional analysis of calcium ion channels in blood vessels, myocardium, autonomic nerve endings. 2. Molecular biological analysis of the mechanism of capacitive calcium ion influx. 3. analysis of pacemaker currents in sinoatrial node cells. 4. mechanisms of heart rate rhythm control.	Lecturer Yosuke Okamoto	Department of Cell Physiology
	Reading research articles of cardiovascular and pulmonary pathology to present their points	Prof. Akiteru Goto	Department of Cellular and Organ Pathology
	—	—	Department of Biochemistry and Metabolic
	Readings will focus on papers regarding functions of bioactive lipids that provide biochemical data or that clarify their	Prof. Satoshi Isii	Department of Immunology
	To critically read papers on diabetes and endocrine research.	Prof. Hironori Waki	Department of Metabolism and Endocrinology
	Summarize an article on the pathogenesis of allergic and inflammatory diseases	Prof. Shigeharu Ueki	Department of General Medical Practice and Laboratory Diagnostic Medicine

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	Rethinking the Concept of Depth of Anesthesia （Exaggerated Anesthetic Requirements in the Preferentially Anesthetized Brain. Anesthesiology 1993; 79: 1244-9）	Prof. Yukitoshi Niyama	Department of Anesthesia and Intensive Care Medicine
	Problems in diagnosis of axillary lymph node metastasis of breast cancer	Prof. Naoko Mori	Department of Radiology
	Increase knowledge of new imaging analysis of retinal diseases	Prof. Takeshi Iwase	Department of Ophtalmology
	To be able to read and understand current English articles on the pathophysiology, diagnosis, and treatment of mental disorders, to understand the current state of the art in the relevant research field, and to critically examine research findings.	Prof. Kazuo Mishima	Department of Neuropsychiatry
	Recent updates on physiological relevance of innate lymphoid cells and other immune cells in mouse models and human diseases.	Prof. Takashi Ebihara	Department of Medical Biology
	In patients with witnessed refractory out-of-hospital cardiac arrest (OHCA), does early intra-arrest transport, extracorporeal cardiopulmonary resuscitation, and invasive assessment and treatment improve outcomes compared with standard resuscitation? To determine whether an early invasive approach in adults with refractory OHCA improves neurologically favorable survival, search the research papers, read them intensively, and recognize the message from the papers.	Prof. Hajime Nalae	Department of Emergency and Critical Care Medicine
	Recent advances of cancer stromal cells in tumor biology	Prof. Masamitsu Tanaka	Department of Molecular Medicine and Biochemistry
	Cell function controlled by changes in cell morphology	Prof. Yasufumi Omori	Department of Molecular Pathology and Tumor Pathology
	Global trends in gastrointestinal cancer	Prof. Katsunori Iijima	Department of Gastroenterology and Neurology
	The latest original papers on basic research, diagnosis and treatment of hematopoietic tumors will be used as subjects for discussion of the presentations to learn how to proceed with research.	Prof. Naoto Takahashi	Department of Hematology, Nephrology, and Rheumatology
	Effect of surgical procedure or adjuvant chemotherapy in the field of gastroenteric surgery	Prof. Junichi Arita	Department of Gastroenterological Surgery
	Students will read clinical surgical papers to acquire up-to-date knowledge and logical thinking skills. Students will also learn how to apply the knowledge gained from the papers in clinical daily practice. (Segmentectomy versus lobectomy in small-sized peripheral non-small-cell lung cancer (JCOG0802/WJOG4607L): a multicentre, open-label, phase 3, randomised, controlled, non-inferiority trial)	Prof. Yoshihiro Minamiya	Department of Thoracic Surgery
	The objective is to understand and discuss the well-known representative research papers on urologic oncology, kidney transplantation, urologic molecular biology, male infertility, urologic robotic surgery and other modern urologic fields.	Prof. Tomonori Habuchi	Department of Urology
	Read the following paper and consider the mthodologies to dissolve the underlying mechanisms in the cancer biology. Rapid colorectal adenoma formation initiated by conditional targeting of the Apc gene H Shibata, et al. Science 278 (5335), 120-123	Prof. Hiroyuki Shibata	Department of Clinical Oncology

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	Students search for research topics of their own interest in ion channels and disease. Furthermore, after understanding the contents of these subjects, students will develop their presentation skills by giving oral presentations on the topic.	Prof. Tomohiro Numata	Department of Integrative Physiology
	Surgery and Medical safety –technical and non-technical skills-	Associate Professor Takayuki Kadohama	Department of Cardiovascular Surgery
	Effect of parathyroid hormone on bone formation in ovariectomized rats	Prof. Naohisa Miyakoshi	Department of Orthopedic Surgery
	We focus on genetic pigmentary disorders, genetic keratotic disease and genetics of atopic dermatitis. Student can discuss with the instructor to choose the theme among them before stating the course.	Prof. Michihiro Kono	Department of Dermatology and Plastic Surgery
	Clinical and Basic Research Results of Otolaryngology, Head and Neck Surgery, Tracheoesophageal Surgery, Upper Respiratory Medicine, Allergy, Immunity, Sensory Organs, Cancer	Prof. Takechiyo Yamada	Department of Otorhinolaryngology – Head and Neck Surgery
	The course will focus on the diagnosis and treatment of neurosurgical diseases such as cerebrovascular disorders, brain tumors, spinal cord diseases, head trauma, congenital malformations, and other neurological diseases.	Prof. Hiroaki Shimizu	Department of Neurosurgery
	We use a paper published in major journals of cardiology, such as Circulation, European Heart Journal, JACC as teaching materials. Presenation or report of the paper will be evaluated.	Prof. Hiroyuki Watanabe	Department of CardiovascularMedicine
	We will read the latest articles in respiratory medicine and discuss their importance, problems, and future applications. Topics will include cellular senescence in COPD, frontiers in asthma treatment, immunotherapy in lung cancer treatment, advanced methods in diagnosis and treatment of respiratory infections, and molecular mechanisms of interstitial pneumonia.	Prof. Katsutoshi Nakayama	Department of Respiratory Medicine
	Papers on intracellular membrane trafficking	Prof. Kota Saito	Department of Biological Informatics and Experimental Therapeutics
	To practice research of development and pathophysiology in children (e.g. developmental disorders, inherited metabolic diseases, genetic diseases)	Prof. Tsutomu Takahashi	Department of Pediatrics
	From the time I was a student I hated to look up the English dictionary. English reports have the power to be shared with the whole world. However, it is a pain to read a paper with a fine alphabet from cover to cover. Sometimes there is a lot of information that is not relevant to the essence of the paper, such as the discussion section. I read a paper by looking at the title, abstract, figures, and legends . I will teach you my own way of doing this.	Prof. Yukihiro Terada	Department of Obsterics and Gynecology
	The purpose is to develop their ability to understand original papers of the pediatric surgery, and to discuss research results by translating into Japanese and summarizing the main points of English papers.	Associate Professor Masaru Mizuno	Department of Pediatric Surgery
	Forensic medicine, Child abuse	Prof. Sohtaro Mimasaka	Department of Forensic Sciences
	The Study of Hikikomori (Social withdrawal)	Assistant Prof. Yong Kim Fong Roseline	Department of Environmental health science and Public Health

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	The ideal trajectory for the future of medical education and continuing medical education in Japan In this course, we analyze articles about the ideal trajectory for the future of medical education and continuing medical education in Japan and gather it up.	Prof. Hitoshi Hassegawa	Department of Medical Education
	Analytycal methods and clinical application	Prof. Masatomo Miura	Department of Pharmacokinetics
	Information technology and medicine （e.g. AI, image processing, etc.）	Associate Professor Masayuki Katahira	Department of Medical Informatics

Grading Criteria　（成績評価の基準と方法）

One credit will be awarded for 30 hours of practical training in the classroom or laboratory plus self-study, and evaluation will be based on attendance, reports, and presentations.

Contact Information（問い合わせ先（氏名，メールアドレス等））

Name：　Academic Affairs Chair　／ E-mail：　gakumu-in@jimu.akita-u.ac.jp

Comments　（その他特記事項）

Course Information: If you are unable to attend the practical training due to work, we will be happy to adjust the schedule.
Textbooks and references: Materials will be distributed as necessary. Materials will be handed out as needed, or references will be specified.
Self-study: Students are expected to do preparatory study according to the objectives and contents of the class.