

Category (科目区分)	Research subject		
Course Title (授業科目名)	Neurosrgery		
Instructors (担当者名)	Hiroaki Shimizu	Academic Year (配当年次)	2,3
Required Course / Elective Course (必修/選択)	Elective Course	Credits (単位数)	15
Class Format (授業形態)	Lecture, Exercise		
Schedule (開講期間)	To be announced by e-mail		
Class Date/Period (開講曜日・時間)	To be announced by e-mail		
Course Outline/ Course Objectives (授業の概要・到達目標)			
Purpose of this course: To learn techniques and methods that are essential for data analysis and presentation of the results in meetings and in scientific journals. Course Objectives: To complete a paper that can be submitted and accepted in a scientific journal and eventually get the medical doctor degree. Research work is to be continued thereafter. Course Outline: 1. Understand and update the knowledge and techniques in Neurosurgery and Strokology. 2. Learn background and research methods through recent papers on topics in Neurosurgery and Strokology. 3. Learn mechanisms of chemotherapy of brain tumors, neuronal death in brain ischemia and brain mapping etc. through a trial to make an experimental protocol. 4. Learn how to write a scientific paper.			
Contact Information (問い合わせ先(氏名, メールアドレス等))			
Name: Hiroaki Shimizu / E-mail: nshrk@med.akita-u.ac.jp			
Coment (その他特記事項)			
Please feel free to contact the instructor whenever you have difficulty in schedule etc. References/text books: No-shinkei gaka (Kinpodo), etc. Please make a self-learning besides the lectures according to the syllabus.			