Category（科目区分）	Research subject		
Course Title（授業科目名）	Anatomy		
Instructors（担当者名）	Yoshio Bando	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）	experimantal practice		
Schedule（開講期間）	Students will be notified by email after completing course registration.		
Class Date/Period（開講曜日・時間）	Students will be notified by email after completing course registration.		

Course Outline/ Course Objectives（授業の概要・到達目標）

Objectives: The purpose of this course is to provide students with the basic knowledge and skills to conduct research on their own, from the planning of experiments to the execution of experiments and data analysis. In addtion, students will present their results at academic conferences. Furthermore, students will prepare and publish a scientific paper and obtain a degree.

Outline: Students will learn how to use a microscope to observe anatomical structures. In addition, students will learn how to use morphological approaches such as immunohistochemistry and electron microscopy by actually performing some of the basic research conducted in this course. Students can also learn molecular and cellular biological methods according to their own motivation.

The specific research topics are mainly the pathogenesis of neurodegeneration and neuroregeneration in cerebrovascular diseases and demyelinating diseases. In addition, we are always available for technical consultations and joint researches, so please feel free to contact us.

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

Name：Yoshio Bando/ E-mail：ybando@med.akita-u.ac.jp

Coment （その他特記事項）

Information: For working graduate students and others who cannot attend the practical training due to work, we will adjust the schedule.

Textbooks and references: Materials will be distributed as necessary. Textbooks and references: Materials will be distributed as needed, or references will be specified.

Self-study time: It is desirable to do preparatory study according to the achievement goal and class content.