

Category (科目区分)	Research subject		
Course Title (授業科目名)	General Medicine and Laboratory Diagnostics		
Instructors (担当者名)	Shigeharu Ueki	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, experimental 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)			
<p>Objectives of the class :to learn pathological, epidemiological, and molecular methods related to laboratory diagnostics and immunological and allergic diseases. Technical knowledge and skills for experiments, conference presentations, and writing papers will be presented.</p> <p>Outline of the class: students will learn the actual research regarding nflammation, immunity, allergy, and infection using immune response cells, mainly lymphocytes and eosinophils, and airway epithelial cells. Research methods such as cell functions and molecular mechanisms, and pathological analysis methods such as immunostaining using clinical samples will be presented. We will share how to search for biomarkers using actual patient samples, interpret the obtained data, present them at conferences and in academic papers.</p>			
Contact Information (問い合わせ先(氏名, メールアドレス等))			
Name: Shigeharu Ueki / E-mail : shigeh@hos.akita-u.ac.jp			
Comment (その他特記事項)			
<p>Course Information: the course will be tailored to individual needs for working graduate students.</p> <p>Textbooks and references: materials will be distributed as necessary.</p> <p>Learning contents in self-study: preparatory study according to the class contents is recommended.</p>			