

Category (科目区分)	Cluster of Metabolism and Information Systems		
Course Title (授業科目名)	Advanced Histology, Practice		
Instructors (担当者名)	Yasukazu Hozumi	Academic Year (配当年次)	1,2
Required Course / Elective Course (必修/選択)	Elective Course	Credits (単位数)	1
Class Format (授業形態)	Lecture,Practice		
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 (授業の概要・到達目標)			
Course Objectives: The organs of organisms, including humans, are made up of a combination of various tissues. The purpose of this class is to understand the molecular structure of each organ from the viewpoint of cell and tissue level. In addition, we will introduce recent research results using fluorescent imaging and mathematical models. You can understand how organ construction is controlled and how morphological analysis is performed. Achievement goal of class: You can understand and explain the molecular structure of each organ construction from the viewpoint of cell and tissue level. You can understand and perform the morphological analysis. Course Description Outline: 1,2. Special lecture on histology -Focusing on morphological analysis- 3,4. Molecular genetic research on construction of tissues and organs 5,6. The role of connective tissue in construction of organs 7,8. The role of epithelial tissue in construction of organs			
Course Planning (授業計画)			
	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) Class Room [実施場所]
1	Special lecture on histology -Focusing on morphological analysis-	Yasukazu Hozumi	Department of Cell Biology and Morphology [Zoom]
2			
3	Molecular genetic research on construction of tissues and organs	Tomonori Ayukawa	
4			
5	The role of connective tissue in construction of organs	Kiwamu Yoshikawa	
6			
7	The role of epithelial tissue in construction of organs	Tomonori Ayukawa	
8			
Grading Criteria (成績評価の基準と方法)			
30 hours of lectures + 15 hours of practical training, 45 hours in total, will be one credit, and the evaluation will be made in consideration of the attendance status, the results of oral examinations , and the contents of the submitted report.			
Contact Information (問い合わせ先(氏名, メールアドレス等))			
Name: Yasukazu Hozumi / E-mail : yahodumi@med.akita-u.ac.jp			
Comment (その他特記事項)			
Information about the course: If a graduate student who is a member of society can't attend the practice due to work, we will adjust the schedule. Textbook/Reference Books: Notify the target person in advance. Out of Class Study/Message: Preparation and review in accordance with the archievement goal, topics, and contents of class are essential.			