

Special Subjects of the Department of Genetics

Field	Course Code	Subject	Credit	Content of subject	Instructor
Molecular Cytogenetics, Developmental biology, Evolutionary genetics, Genetics	20DGE001**	Developmental Biology II	1	Various developmental events, such as cell fate determination, cell differentiation, morphogenesis and animal behavior will be analyzed in light of gene expression, cell-cell interaction, intracellular signaling and evolution. Classes will be run by critical reading of the primary literature and discussion.	Hitoshi Sawa
	20DGE002**	Developmental Biology III	1		
	20DGE003**	Developmental Biology IV	1		
	20DGE016**	Evolutionary Genomics	1	After introduction of basic knowledge on various fields of evolutionary and population genetics, such as adaptive evolution, neutral evolution, speciation, and symbiosis evolution, we discuss what kinds of new questions will be possible to answer by employing emerging genomic technologies.	Jun Kitano
	20DGE017**	Genetics	1	Basic concepts, approaches and techniques in Genetics will be outlined and discussed. In addition, the lecture focuses on how our behaviors and diseases are controlled by our genes.	Kuniaki Saito
	20DGE009**	Oral Scientific Communication I	2	Practical, small-group seminar on logical communication of research content and themes. This comprehensive course develops your skills to effectively discuss and present scientific matters in English. Oral Scientific Communication I will introduce the principles and key strategies of scientific presentation. Oral Scientific Communication II will help students to comprehend scientific seminars and discuss the contents through practical activities.	Tatsumi Hirata Taji Gohmaru
	20DGE014**	Oral Scientific Communication II a	1		
	20DGE015**	Oral Scientific Communication II b	1		
	20DGE011**	Fundamentals of Scientific Writing I	1	This course will explore principles of clear English writing and presentation. The class will address fundamentals of writing as well as specifics of preparing scientific papers and proposals as well as professional material such as applications. Writing assignments and discussion will be important aspects of the class.	Hiroshi Akashi
	20DGE012**	Fundamentals of Scientific Writing II	1		
	20DGE013**	Fundamentals of Scientific Writing III	1		

A two-digit number or letter will be entered to ** according to the semester or the lecturer in charge.