シラバス参照

科目名/Subject	分子細胞生物学
曜日・講時/Day/Period	前期 金曜日 2講時
科目群/Categories	JYPE科目
単位数/Credit(s)	2
対象学部/Object	【JYPE】Molecular and Cellular Biology
担当教員(所属)/Instructor (Position)	Masayuki KOGANEZAWA
セメスター/Semester	Spring Semester, Friday 2 lecture hours
科目ナンバリング/Course Numbering	-E
使用言語/Language Used in Course	英語

授業題目/Class Subject	【JYPE】Molecular and Cellular Biology
授業の目的と概要/Object and Summary of Class	This course offers an introduction to biochemistry, genetics, cell biology, early development, and neurobiology. This course is an omnibus lecture consisting of multiple topics.
学修の到達目標/Goal of Study	Learn the basic concept of molecular and cellular biology, which is the basis of modern biology. Understand the cell as the basic unit of life; its composition, functions, replication, and differentiation.
授業内容・方法と進度予定/Contents and Progress Schedule of the Class	4/12 – Axonal transport and neurological diseases (SHINSUKE NIWA) 4/19 – Germline cell development in animal embryos (GAKU KUMANO) 4/26 – Molecular biology of plant (RYUSUKE YOKOYAMA) 5/10– Development of the nervous systems (KENTARO ABE) 5/17 – Pattern formation in vertebrates (KOJI TAMURA) 5/24 – Integrative function of the cerebral cortex (KENICHIRO TSUTSUI) 5/31 – Neural mechanisms of courtship behavior (MASAYUKI KOGANEZAWA) 6/7 – Cell death and movement in epithelial morphogenesis (ERINA KURANAGA) 6/14 – Membrane dynamics in cells (MITSUMORI FUKUDA) 6/21 – Reward, punishment, and neural circuits (HIROMU TANITOMO) 6/28 – Plant development and cell dynamics (MINAKO UEDA) 7/5 – Innate immunity and membrane trafficking (TOMOHIKO TAGUCHI) 7/12 – Comparative social neuroscience (HIDEAKI TAKEUCHI) 7/19 – Pattern Formation in Plants (JUNKO KYOUZUKA)
成績評価方法/Evaluation Method	For evaluation, students are required to attend the class, and must submit an essay dealing with a topic covered in one of the lectures.
教科書および参考書/Textbook and References	
関連URL/URL	
授業時間外学修/Preparation and Review	Review the handouts and other materials based on the lecture.
その他/In Addition	
更新日付/Last Update	2024/03/04 18:14

1単位の授業科目は、45時間の学修を必要とする内容をもって構成することを標準としています。1単位の修得に必要となる学修時間の目安は、「講義・演習」については15～30時間に授業および授業時間外学修（予習・復習など）30～15時間、「実験、実習及び実技」については30～45時間の授業および授業時間外学修（予習・復習など）15～0時間です。

One-credit courses require 45 hours of study. In lecture and exercise-based classes, one credit consists of 15-30 hours of class time and 30-15 hours of preparation and review outside od class. In laboratory, practical skill classes, one credit consists of 30-45 hours of class time and 15-0 hours of preparation and review outside of class.