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学部・大学院区分 Undergraduate / Graduate	理学部
時間割コード Registration Code	0682080
科目区分 Course Category	専門基礎科目 Basic Specialized Courses
科目名 【日本語】 Course Title	遺伝学 2
科目名 【英語】 Course Title	<a href="#">Genetics II</a>
コースナンバリングコード Course Numbering Code	
担当教員 【日本語】 Instructor	小嶋 誠司 ○
担当教員 【英語】 Instructor	KOJIMA Seiji ○
単位数 Credits	2
開講期・開講時間帯 Term / Day / Period	春 水曜日 1 時限 Spring Wed 1
授業形態 Course style	講義 Lecture
学科・専攻 Department / Program	G30 Biology
必修・選択 Compulsory / Selected	See the "Course List and Graduation Requirements for your program for your enrollment year."

授業の目的 【日本語】 Goals of the Course(JPN)	
授業の目的 【英語】 Goals of the Course	The purpose of this course is to learn how the genetic information becomes the molecules of action.
到達目標 【日本語】 Objectives of the Course(JPN)	
到達目標 【英語】 Objectives of the Course	This course covers how DNA (the genetic materials) is transcribed, spliced, translated into proteins that execute most of the functions of the cells. The goal is to better understand the entire processes of decoding genetic information into an action molecules, by learning the sequence, the machinery and the players, as well as regulatory steps for each event.
授業の内容や構成 Course Content / Plan	1. Review of genetics I + Course overview 2. Transcription - bacteria and eukaryotes 3. RNA splicing 4. Translation 5. The genetic code
履修条件 Course Prerequisites	Genetics I
関連する科目 Related Courses	Genetics I and III
成績評価の方法と基準 Course Evaluation Method and Criteria	Evaluation will be based on in-class participation, assignments, quizzes and examinations.  Equal to or better than 60% is required to pass.
不可(F)と欠席(W)の基準 Criteria for "Fail (F)" & "Absent (W)" grades	Absent - based on submission of Course Withdrawal Request Form. Fail - based on "Failed" results of examinations and assignments.
参考書 Reference Book	Recommended reading will be suggested in the class.
教科書・テキスト Textbook	1. Molecular Biology of the Gene by Watson et al, 7th edition 2. Molecular Biology of the Cell by Alberts et al, 6th edition
課外学習等 (授業時間外学習の指示) Study Load(Self-directed Learning Outside Course Hours)	Assignments will be given. Review the lecture contents after the each class.
注意事項 Notice for Students	
他学科聴講の可否 Propriety of Other department student's attendance	
他学科聴講の条件 Conditions for Other department student's attendance	
レベル Level	
キーワード Keyword	
履修の際のアドバイス Advice	
授業開講形態等 Lecture format, etc.	Classroom in person style with real time online lecture using zoom. The lecture will be recorded and stored in the NUSS storage site.
遠隔授業(オンデマンド型)で行う場合の追加措置 Additional measures for remote class (on-demand class)	

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