

Subject (English)	Ecology and Evolution		Semester	Fall	Day/Slot	Tue. / 1 st 8:50-10:20																																																												
科目名 (日本語)	生態と進化																																																																	
Course Code	VJ222F70	Course Numbering	SBI-BIO801E		Period	Oct. 1, 2019 - Jan. 14, 2020																																																												
Instructor (Post)	S.SAKAI, <i>et al.</i> (Assoc. Prof.)			Campus	Aobayama																																																													
				Building	Biology Building Annex																																																													
Faculty	Faculty of Science		Credits	2	Class Room	Earth Science & Biology Common Lecture Room (3F)																																																												
Class subject	Ecology and evolution																																																																	
Object and summary of class	This class object is to study basics and recent advances in ecology and evolution. Lectures will be given weekly.																																																																	
Keywords	Ecology, Evolution, Adaptation, Global Change, Speciation, Environmental Responses																																																																	
Goal of study	The goal of this class is to obtain the background knowledge concerning ecology and evolution.																																																																	
Contents and progress schedule of class	<table border="1"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Instructor</th> <th>Contents</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>10/1</td> <td>Satoki Sakai</td> <td>Floral ecology of plants</td> </tr> <tr> <td>2</td> <td>10/8</td> <td>Hikosaka Kouki</td> <td>Global change and plants</td> </tr> <tr> <td>3</td> <td>10/15</td> <td>Jotaro Urabe</td> <td>An introduction of Ecological Stoichiometry</td> </tr> <tr> <td>4</td> <td>10/29</td> <td>Masakado Kawata</td> <td>Evolution *Please note: Lecture will be held in a Meeting Room II, Biology Building</td> </tr> <tr> <td>5</td> <td>11/5</td> <td>Masayuki Maki</td> <td>Reproductive isolation of plant species</td> </tr> <tr> <td>6</td> <td>11/12</td> <td>Takashi Makino</td> <td>Gene and genome duplication</td> </tr> <tr> <td>7</td> <td>11/19</td> <td>Wataru Makino</td> <td>Heterospecific mating interactions</td> </tr> <tr> <td>8</td> <td>11/26</td> <td>Satoshi Chiba</td> <td>Island biology</td> </tr> <tr> <td>9</td> <td>12/3</td> <td>Riichi Oguchi</td> <td>Functional ecology in plant response to environmental change</td> </tr> <tr> <td>10</td> <td>12/10</td> <td>Michio Kondoh</td> <td>eDNA analysis and its application to ecological monitoring</td> </tr> <tr> <td>11</td> <td>12/17</td> <td>Kazutaka Kawatsu</td> <td>Dynamical-data analysis in ecology</td> </tr> <tr> <td>12</td> <td>12/24</td> <td>Motonari Ohyama</td> <td>Dendrochronology</td> </tr> <tr> <td>13</td> <td>1/7</td> <td>Koji Yonekura</td> <td>Regional floras and herbaria: source of information of ecological studies</td> </tr> <tr> <td>14</td> <td>1/14</td> <td>Shinichiro Maruyama</td> <td>Endosymbiosis and the origin of plants</td> </tr> </tbody> </table>						No.	Date	Instructor	Contents	1	10/1	Satoki Sakai	Floral ecology of plants	2	10/8	Hikosaka Kouki	Global change and plants	3	10/15	Jotaro Urabe	An introduction of Ecological Stoichiometry	4	10/29	Masakado Kawata	Evolution *Please note: Lecture will be held in a Meeting Room II, Biology Building	5	11/5	Masayuki Maki	Reproductive isolation of plant species	6	11/12	Takashi Makino	Gene and genome duplication	7	11/19	Wataru Makino	Heterospecific mating interactions	8	11/26	Satoshi Chiba	Island biology	9	12/3	Riichi Oguchi	Functional ecology in plant response to environmental change	10	12/10	Michio Kondoh	eDNA analysis and its application to ecological monitoring	11	12/17	Kazutaka Kawatsu	Dynamical-data analysis in ecology	12	12/24	Motonari Ohyama	Dendrochronology	13	1/7	Koji Yonekura	Regional floras and herbaria: source of information of ecological studies	14	1/14	Shinichiro Maruyama	Endosymbiosis and the origin of plants
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Preparation	-																																																																	
Record and evaluation method	-																																																																	
Textbook and references	-																																																																	
Self study	Nothing special																																																																	
In addition	-																																																																	