

A Master Course	Class Style	Lecture	FB : Elective 2 credits AM : Free elective 2 credits GM : Elective 2 credits	Fiscal year	2020
Course Title	Learning Life Science in English	Numbering code	FB : GMDMFB1009 AM : GMDMAM1012 GM : GMDMGM1009		
Theme	Learn how to progress life science research (with English textbooks)				
Term	Thursday 6 th period, the first semester of first school year				
Place					
Instructor	KUSANO Shuichi				
G I O	Learn basic life science and experimental techniques in English.				
S B O	1	Learn how to read English-written life science Textbooks			
	2	Learn how to read English-written life science Reviews			
	3	Learn how to understand and perform English-written life science protocols			
Course description (90 min. x 15 times)					Instructor
1	To learn about research ethics by reading English-written guidelines for image processing (1)				KUSANO Shuichi
2	To learn about research ethics by reading English-written guidelines for image processing (2)				KUSANO Shuichi
3	Reading the excerpt of English-written life science Textbook (1)				KUSANO Shuichi
4	Reading the excerpt of English-written life science Textbook (2)				KUSANO Shuichi
5	Reading the excerpt of English-written life science Textbook (3)				KUSANO Shuichi
6	Reading the excerpt of English-written life science Textbook (4)				KUSANO Shuichi
7	Reading the excerpt of English-written life science Textbook (5)				KUSANO Shuichi
8	To learn how to prepare reagents and buffers using English-written Protocol book				KUSANO Shuichi
9	To learn how to handle DNA and RNA using English-written Protocol book (1)				KUSANO Shuichi
10	To learn how to handle DNA and RNA using English-written Protocol book (2)				KUSANO Shuichi
11	To learn how to handle DNA and RNA using English-written Protocol book (3)				KUSANO Shuichi
12	To learn how to design and perform PCR experiment using English-written Protocol book (1)				KUSANO Shuichi
13	To learn how to progress biochemistry experiment using English-written Protocol book (2)				KUSANO Shuichi
14	To learn how to handle protein using English-written Protocol book (1)				KUSANO Shuichi
15	To learn how to handle protein using English-written Protocol book (2)				KUSANO Shuichi
Teaching Materials	Not specified.				
Grading Methods	Based on the number of times student has attended (80%) and actively been involved in discussion during class (20%).				
Contact	Office hours				
	E-mail	skusano@m2.kufm.kagoshima-u.ac.jp			
Others	English is the common language in the field of life science, and reliable protocol books are written in English. This course places an importance to make good use of English-written protocol books for progression of life science research.				

