Class Plan Inquiry

YCL1601-01 (Semester 2, 2014)

연세대학교 YONSEI UNIVERSITY

Initial registration date	2014-08-14 14:43:09	Last modified date	2014-08-14 15:11:27
Course Title	Life Science in Practice	Credits	3
Lecture room	Oe02 / Baek S108	Lecture time	Tue 8, 9 / Thu 7

Professor in charge	Lee Myung Min	Professor in charge	Graduate School of Life Sciences
Lab	Academy of Sciences S125	Contact	2654
E-mail and office hour	mmlee@yonsei.ac.kr		
Professor in charge	Donha Park	Professor in charge	Proteome Researcher
Lab	Academy of Sciences S305	Contact	4243
E-mail and office hour	parkdh@proteomix.org		

Course Target	Students with basic interests in life sciences: cells, genetics, DNA, evolution, diversity
Course Objectives and Overview	Modern life sciences have made remarkable advances during the development of molecular biology. Based on this development, the goal of this class is to look at the characteristics of the history of living things and animals including human beings, based on basic biology. It will cover human cells, genetics, DNA and genetic engineering, evolution, and plant and animal diversity.
Prerequisite (Prerequisite Learning)	none.
Course operation method	2 hours (overview + question and answer) + 2 hours (practice problem solving)
Grading Method	Two tests (40 points each) + practice (20 points) + class attitude
Textbooks and References	Teaching Materials: Jay Phelan (2010) Life Science-Knowledge available (Kyu Ung Han), First Edition, Beommoon Education Supplementary materials: Kim, Eung-bin et al. (2013) Core Life Sciences, First Edition, Bioscience; Campbell Biology, 9th Edition, Bioscience

Professor Information	Professor of System Biology Research Professor, Proteome Researcher
TA Information	TBA
Summary	Biological science has achieved big progress through development of many techniques in molecular biology. Based on basic concepts in biology, chemical aspect of life, cells, inheritance, DNA, biotechnology, evolution, diversity of life will be discussed.

week	term	Class contents	Textbook Range, Assignment	Remarks
1	2014-09-01 2014-09-07	Life Sciences and Science Methodology		(9.1) Course Registration (9.3 ~ 9.5) Confirmation and Change of Course Registration
2	2014-09-08 2014-09-14	Thanksgiving		(9.7 ~ 9.10) Chuseok
3	2014-09-15 2014-09-21	Basic Chemistry		
4	2014-09-22 2014-09-28	Basic life, cell structure and function		
5	2014-09-29 2014-10-05	Bacteria and cages (plants, animals, mold, ameba)		(10.3) The New Year's Day
6	2014-10-06 2014-10-12	Conversion of energy for life support		(10.6 ~ 10.8) Lecture withdrawal (10.8) 1st semester (10.9)
7	2014-10-13 2014-10-19	Cell respiration and photosynthesis: why we breathe What is the ultimate source of living and food?		(10.16 ~ 10.22) Interim Test
8	2014-10-20 2014-10-26	Midterm exam		(10.16 ~ 10.22) Interim Test
9	2014-10-27 2014-11-02	What is genetic material, DNA? and Can we know what it is?		
10	2014-11-03 2014-11-09	Growth, reproduction, multiplication of cells		

11	2014-11-10 2014-11-16	Is the life of bacteria 3.8 billion years old? elegance The process of recovery is due to cell division. Japanese Flies		(11.14) semester 2/3
12	2014-11-17 2014-11-23	Genetic Law of Meteor Organisms: Why We Are Similar but not identical with Parents? Is mutation bad?		
13	2014-11-24 2014-11-30	Darwinism and Evidence of Evolution: The Evolution of Biology Apart from the topic, it is a list of simple facts It is only.		
14	2014-12-01 2014-12-07	Are we the product of evolution? What is the evidence?		
15	2014-12-08 2014-12-14	Finals		(12.8 ~ 12.20) Self-Learning and Final Exam
16	2014-12-15 2014-12-21	Finals		(12.8 ~ 12.20) Self-Learning and Final Exam

* Important notices regarding the change of the regular semester's operation method
Class or self-study in the week where the test is not taken into account considering the mid-term period (2019.10.21.-10.25.) And the final period (2019.12.9.-12.20.) Should proceed. * According to Article 57-2 of Yonsei University School Regulations, students with disabilities may request teaching and learning support for attendance, lectures, assignments, and examinations through interviews with their professors before and after the start of the semester. Assistance is available through the faculty or students with disabilities. Here are some examples of possible disabilities by class, assignment, and exam. (However, the actual support content may vary depending on the nature of the lecture.) [Lecture] -Visually impaired: teaching materials (digital, braille, enlarged textbooks, etc.), essay help allowed -Retardation: teaching materials (digital teaching materials), Ghostwriting and teaching assistant helper allowed, designated seating arrangements - deaf: daepil / text translator helper allowed, lecture transcripts allowed - intellectual disability / autism disorders: daepil assistant and teaching mentor allow [assignment and exam] - visual impairment / disability / deaf : Extension of project submission deadline, adjustment of assignment and submission method, extension of test time, adjustment of test questions and response method, provision of separate place, linkage of helpers, etc. -Intellectual Disability / Autistic Disorder: Submission of individualization assignment and evaluation of alternative evaluation