



## 2021학년도 2학기 강의계획안

교과목명 Course Title	일반생물학II (영어강의) General Biology II	학수번호-분반 Course No.	20414-02
개설전공 Department/Major	생명과학부	학점/시간 Credit/Hours	3/3
수업시간/강의실 Class Time/ Classroom	월요일(Mon) 4교시 (12:30-1:45), 목요일(Thurs) 5교시 (14:00-15:15)		
담당교원 Instructor	성명: 김유섭, 서은경 Yuseob Kim, Eun-Kyung Suh	소속: 생명과학전공 Department: Life sciences	
	E-mail: yuseob@ewha.ac.kr (김유섭) esuh@ewha.ac.kr (서은경)	연락처: 교내 3435 (김유섭) 4567 (서은경) Telephone	
면담시간/장소 Office Hours/ Office Location	종합과학관 B동 318-2호 (김유섭) Time: TBA 종합과학관 A동 310호 (서은경)		

### I. 교과목 정보 Course Overview

#### 1. 교과목 개요 Course Description

This is a lecture-based course for providing students with basic concepts and knowledge in biology that are foundations for further study and practice in various branches of biological sciences. The first half of the course covers basic concepts in evolution and biodiversity and proceeds in the second half of the course on to human physiology.

#### 2. 선수학습사항 Prerequisites

There is no prerequisite. However, the principles of *cell structure and function* taught in General Biology I will help students better grasp principles taught in the second part of this course (physiology). When possible, it is recommended students take General Biology I (or equivalent) prior to General Biology II but not prerequisite.

#### 3. 강의방식 Course Format

강의 Lecture	발표/토론 Discussion/ 질문	실험/실습 Experiment/Practicum	현장실습 Field Study	기타 Other (출석)
95%	5%	%	%	%

(위 항목은 실제 강의방식에 맞추어 변경 가능합니다.)

강의 진행 방식 설명 (explanation of course format):



Lectures will be given on-line, using Zoom for example, in real-time. In addition, or alternatively, pre-recorded lecture videos will be provided as necessary. Power-point slides for classes will be uploaded in the Cyber-Campus at least one day before each class.

#### 4. 교과목표 Course Objectives

Lectures are designed to provide conceptual understanding of biological structures/functions and connections between topics rather than simple biological facts and terms. Although a very wide range of topics will be covered, the aim is to explore each subject in some detail beyond basic ("high-school") biology.

#### 5. 학습평가방식 Evaluation System

중간고사 Midterm Exam	기말고사 Final Exam	퀴즈 Quizzes	발표 Presentation	프로젝트 Projects	과제물 Assignments	참여도(질문) Participation	기타 Other(출석)
45%	45%	5%	%	%	5%	%	%

(위 항목은 실제 학습평가방식에 맞추어 변경 가능합니다.)

\*그룹 프로젝트 수행 시 팀원평가(PEER EVALUATION)이 평가항목에 포함됨. Evaluation of group projects may include peer evaluations.

평가방식 설명 (explanation of evaluation system):

Letter grades will be given according to a pre-determined curve (절대평가).

In the first half of the course, on-line quizzes will be given at a random time during class.

Homework, for example problem-solving at the end of each chapter, will be assigned (will be announced during class or in Cyber-Campus).

## II. 교재 및 참고문헌 Course Materials and Additional Readings

### 1. 주교재 Required Materials

Campbell Biology in Focus by Urry, Cain, Wasserman, Minorsky, Jackson, Reece, International Edition, 2014 (ISBN 978-0-321-89286-7)

### 2. 부교재 Supplementary Materials

### 3. 참고문헌 Optional Additional Readings

## III. 수업운영규정 Course Policies



- \* 실험, 실습실 진행 교과목 수강생은 본교에서 진행되는 법정 '실험실안전교육(온라인과정)'을 필수로 이수하여야 함.
- \* For laboratory courses, all students are required to complete lab safety training.

#### IV. 주차별 강의계획 Course Schedule (최소 15주차 강의)

주차	날짜	주요강의내용 및 자료, 과제(Topics & Class Materials, Assignments)
1주차	9/2	Chapt 19 Descent with Modification
	9/6	Chapt 20 Phylogeny
2주차	9/9	Chapt 21 The Evolution of Populations
	9/13	Chapt 22 The Origin of Species
3주차	9/16	Chapt 23 Broad Patterns of Evolution
	9/20	No Class (추석) - Make-Up Class*
4주차	9/23	Chapt 25 The Origin and Diversification of Eukaryotes
	9/27	Chapt 26 The Colonization of Land
5주차	9/30	Chapt 27 The Rise of Animal Diversity
	10/4	Chapt 27 The Rise of Animal Diversity
6주차	10/7	Chapt 40 Population Ecology and the Distribution of Organisms
	10/11	Chapt 41 Species Interactions
7주차	10/14	Chapt 42 Ecosystems and Energy (by pre-recorded lecture video)
	10/18	Mid-term exam
8주차	10/21	No Class (교양시험기간)
	10/25	Chapt 32 Homeostasis and endocrine signaling
9주차	10/28	Chapt 32 Homeostasis and endocrine signaling
	11/1	Chapt 33 Animal nutrition
10주차	11/4	Chapt 33 Animal nutrition
	11/8	Chapt 34 Circulation and gas exchange
11주차	11/11	Chapt 34 Circulation and gas exchange
	11/15	Chapt 35 Immune System
12주차	11/18	Chapt 35 Immune System
	11/22	Chapt 36 Reproduction and Development
13주차	11/25	Chapt 36 Reproduction and Development
	11/29	Chapt 37 Neurons, Synapses and Signaling



주차	날짜	주요강의내용 및 자료, 과제(Topics & Class Materials, Assignments)
14주차	12/2	Chapt 38 Nervous and sensory systems
	12/6	Chapt 38 Nervous and sensory systems
15주차	12/9	Chapt 39 Motor mechanisms & behavior
	12/13	Chapt 39 Motor mechanisms & behavior
16주차	12/16	Q&A (ZOOM)
	12/20	Final Exam
보강 Makeup Classes		Pre-recorded video: Chapt 24 Early Life and the Diversification of Prokaryotes

## V. 참고사항 Special Accommodations

\* 학칙 제57조에 의거하여 장애학생은 학기 첫 주에 교과목 담당교수와의 면담을 통해 출석, 강의, 과제 및 시험에 관한 교수학습지원 사항을 요청할 수 있으며 요청된 사항에 대해 담당교수 또는 장애학생지원센터를 통해 지원받을 수 있습니다.

According to the University regulation #57, students with disabilities can request special accommodation related to attendance, lectures, assignments, and/or tests by contacting the course professor at the beginning of semester. Based on the nature of the students' requests, students can receive support for such accommodations from the course professor and/or from the Support Center for Students with Disabilities (SCSD).

\* 강의계획안의 내용은 추후 변경될 수 있습니다.

\* The contents of this syllabus are not final—they may be updated.