暨南大學 JINAN UNIVERSITY

2026

0704B100
Introductory Biology

Instructor: TBA

Time: Monday through Thursday (June 29, 2026-July 31, 2026)

Office Hours: 2 hours (according to the teaching schedule)

Contact Hours: 45 (50 minutes each)

Credits: 3

Location: Teaching Building

E-mail: TBA

Course Description

Biological Science is all around us, and affects every aspect of our lives and every facet of life on Planet Earth. The goal of this course is to furnish students with the basic foundation, information, and analytical tools necessary to grasp the fundamental concepts central to the study of biology.

This is a vast and highly diverse subject, and thus will require an overview approach in a short course such as this one. We will cover the most important areas in some detail, both in the classroom and in the laboratory, while striving to achieve a balanced view of the big picture ideas.

Required Textbook(s)

Biology Today and Tomorrow, With Physiology, 3rd Edition or 4th, by Starr, Evers, and Starr (published in 2010 by Cengage). ISBN-13:9780495561576

Prerequisites

No prerequisites

Course Hours

The course has 20 sessions in total. Each class session is 120 minutes in length. The course meets from Monday to Thursday.

Course Schedule

Please note that the schedule is meant to give an overview of the major concepts this course. Changes may occur in this calendar as needed to aid in the student's development.

WEEK ONE

1.Invitation to Biology.

2.Molecules of Life.

3.Cell Structure.

4.Energy and Metabolism.

5.Capturing and Releasing Energy.

WEEK TWO

6.DNA Structure and Function.

7.Gene Expression and Control.

8.How Cells Reproduce.

9.Patterns of Inheritance.

10.Biotechnology.

WEEK THREE

11.Evidence of Evolution.

12.Processes of Evolution.

13.Early Life Forms and the Viruses.

14.Plants and Fungi.

15.Animal Evolution.

WEEK FOUR

16.Population Ecology.

17.Communities and Ecosystems.

18.The Biosphere and Human Effects.

19.Animal Tissues and Organs.

20.How Animals Move.

21.Circulation and Respiration.

22.Immunity.

WEEK FIVE

23.Digestion and Excretion.

24.Neural Control and the Senses.

26.Reproduction and Development.

27.Plant Form and Function.

28.Plant Reproduction and Development.

Course Requirements

Students are expected to do all the readings for the week in their entirety before class. In addition to reading the assigned material, you are required to think about the material and analyze it in comparison to other subjects under consideration. This will greatly enhance the value and quality of our classroom sessions. Use of cell phones, iPhones, any and all forms of Social Network activities, and any other electronic communication, games, or internet devices during class time hinders your learning, is disrespectful and is strictly prohibited.

Grading Policy

Type	Percentage
Quizzes	30% of grade
Midterm Exam	30% of grade
Final Exam	30% of grade
Participation	10 of grade

Grading Scale

The instructor will use the grading system as applied by JNU:

Definition	Letter Grade	Score
Excellent	A	90~100
Good	B	80~89
Satisfactory	C	70~79
Poor	D	60~69
Failed	E	Below 60

Attendance

Attendance is mandatory in the class. It would be recorded each class and forms part of students' participation record. Students should inform the instructor at the earliest opportunity if they need to ask for a leave. All absences may have negative effect on students' final grades. Any students with more than three unexcused absences will automatically fail the course.

Academic Integrity

As members of the Jinan University academic community, students are expected to be honest in all of their academic coursework and activities. Academic dishonesty, includes (but is not limited to) cheating on assignments or examinations; plagiarizing, i.e., misrepresenting as one's own work any work done by another; submitting the

same paper, or a substantially similar paper, to meet the requirements of more than one course without the approval and consent of the instructors concerned; or sabotaging other students' work within these general definitions. Instructors, however, determine what constitutes academic misconduct in the courses they teach. Students found guilty of academic misconduct in any portion of the academic work face penalties that range from the lowering of their course grade to awarding a grade of E for the entire course.