Course Title:	**Introduction to Biology**
Course Code:	**BSTA-102**
Semester:	**I**
Credit Hours:	**03**

Learning Outcomes

By the end of this course, students will be able to:

1. provide an understanding about the structure.
2. explain the functions of the human body.
3. identify and address major organ related diseases.

Course Outline

Unit – I

1.1 Introduction to Biology

Introduction to Human Biology, Human Life cycle

1.1.1 Structure of Cell

Definition and Structure of Cell, Tissue Structure and Types

Unit – II

2.1 Anatomy of Human Being and Diseases

Anatomy and Physiology of Human Organ and Organ Related Diseases.

2.2 Digestive and Respiratory System

Complete details of Digestive System and Respiratory System, Diseases related to these systems.

2.3 Heart and Brain of Human Being

Heart and Cardiovascular System, Lymphoid and Haemopoietic System (circulatory) Nervous and the special senses, and Muscular and Skeletal system.

2.4 Reproductive System

Excretory system, Urinary system, Reproductive System (Female and Male).

- **Teaching-learning Strategies:**

Class Lecture method, which includes seminars, discussions, assignments and projects. (Audio-visual tools are used where necessary)

- **Assignments-Types and Number with calendar:**

According to the choice of respective teacher.

- **Assessment and Examinations:**

According to the University's Semester Rules.

Sr. No.	Elements	Weightage	Details
1.	Midterm Assessment	35%	It takes place at the mid-point of the semester.
2.	Formative Assessment	25%	It is continuous assessment. It includes: Classroom participation, attendance, assignments, and presentations, homework, attitude and behavior, hands-on-activities, short tests, quizzes etc.
3.	Final Assessment	40%	It takes place at the end of the semester. It is mostly in the form of a test, but owing to the nature of the course the teacher may assess their students based on term paper, research proposal development, field work and report writing etc.

Textbook:

1. Solomon, E. P. (2015). *Introduction to human anatomy and physiology*. Elsevier Health Sciences.

Suggested Readings:

1. Hall, J. E., & Hall, M. E. (2020). *Guyton and Hall textbook of medical physiology e-Book*. Elsevier Health Sciences.
2. Purcell, A. (2018). *Basic Biology: An Introduction*. New Zealand ISBN Agency, National Library of New Zealand.