

**Class Time:**

Tutorials (Each student is assigned to attend one of the following sessions by ARRO, please check with your course registration information):

L1	Thursday	16:30-17:50; Rm 5619
L2	Thursday	15:00-16:20; Rm 5619
L3	Friday	12:00-13:20; Rm 5620

**Course Description:**

This course targets science students who have acquired basic knowledge in fundamental biology through HKDSE Biology, LIFS1901, or another biology course/program at the equivalent level. It functions as a bridging course to prepare the students for further study in life science. Its focus is on human biology, biotechnology, and human impacts on the environment. Relevant examples will be used to relate the knowledge to real life issues.

The course will be delivered in a blended learning approach, which combines online videos with in-class (face-to-face) tutorials. Students are expected to watch the videos (and complete an online quiz) before each tutorial, and actively participate in the group activities in class.

Credit points: 3

Pre-requisite: LIFS1901 OR level 3 or above in HKDSE 1x Biology OR a passing grade in AL/AS Biology

Exclusion: NIL

Grading: A+ to F

Instructor	Office	Extension	E-mail address
Prof. Andrew Miller (Course Co-ordinator)	Room 5453	x8631	almiller@ust.hk
Dr Sarah Ho	Room 6236	X8017	barnie@ust.hk
Dr. Jessica Tang	Room 4218	x7314	bocemun@ust.hk

## Intended Learning Outcomes

Upon completion of this course, students are expected to be able to:

No.	ILOs
1	Explain the basic structures and life processes in humans.
2	Explain basic inheritance of traits in humans.
3	Explain basic biotechnology and discuss their impact on human life.
4	Discuss the relevance of life science to the study of the human as a living organism.

## Assessment scheme

Components	Percentage
Online quiz	10
Participation mark	10
Written assignment *	20
Final exam	60

\*Each student is required to write a 400- word essay on one of the assigned topics. Topics will be related to the content of the weekly videos or tutorials. The assignment topics will be announced **6th May 2022**.

Date	Topic	Instructor
Feb 10, 11	Patterns of gene inheritance (23)	Tang
Feb 17, 18	Chromosomal basis of inheritance (24)	Tang
Feb 24, 25	Biotechnology (26)	Tang
Mar 3, 4	Reproduction (21)	Tang
Mar 10, 11	Development (22)	Ho
Mar 17, 18	Digestive system and Nutrition (14)	Ho
Mar 24, 25	Immune System (13)	Ho
Mar 31, Apr 1	Endocrine system (20)	Ho
Apr 7, 8	Respiratory System (15)	Miller
Apr 21, 22	Osmoregulation & excretion (16)	Miller
Apr 28, 29	Circulatory System (12)	Miller
May 5, 6	Nervous System (17)	Miller