

**Class Time:**

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

**Classes will be via Zoom but will resume face-face currently set for the week of March 2 2020 or until further notice.**

L1	Friday	10:30-11:50 Room 4582
L2	Friday	13:30-14:50 Room 5620
L3	Monday	9:00-10:20 Room 4582

**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.

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
On- line quiz	20
Written assignment *	20
Final examination	60

\*Each student is required to write a 400- word essay on one of the assigned topics. Topics are related to the content of the face-to-face tutorial. The assignment topics will be announced **4<sup>th</sup> May 2020**.

Date	Topic	Instructor
Feb 21, 24	Patterns of gene inheritance (23)	Tang
Feb 28, Mar 2	Chromosomal basis of inheritance (24)	Tang
Mar 6, 9	Biotechnology (26)	Tang
Mar 13, 16	Reproduction (21)	Tang
Mar 20, 23	Development (22)	Ho
Mar 27, 30	Digestive system and Nutrition (14)	Ho
Apr 3, 6	Immune System (13)	Ho
Apr 17, 20	Endocrine system (20)	Ho
Apr 24, 27	Respiratory System (15)	Miller
May 4, 8	Osmoregulation & excretion (16)	Miller
May 11, 15	Circulatory System (12)	Miller
May	<del>Nervous System (17)</del>	<del>Miller</del>