Class Time:

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

L1Thursday 16:30-17:50; Rm 5619 (Lift 31/32)
L2Thursday 15:00-16:20; Rm 5619 (Lift 31/32)
L3Friday 12:00-13:20; Rm 5620 (Lift 31/32)

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  E-mail address
Prof. Andrew Miller (Course Co-ordinator) Room 5453 almiller@ust.hk
Dr. Sarah Ho Room 6236 barnie@ust.hk
Dr. Jessica Tang Room 5450 bocemun@ust.hk

Teaching Assistants
Maria Vittoria ALFONSI mvalfonsi@connect.ust.hk
Vaspan Darius ENGINEER vdengineer@connect.ust.hk
Ou Ning (Owen) HSIU onhsiu@connect.ust.hk
Zhaowei SUN zsunbd @connect.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

<table>
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<th>Components</th>
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<tbody>
<tr>
<td>Online quiz</td>
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<tr>
<td>Participation mark</td>
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</tr>
<tr>
<td>Written assignment*</td>
<td>20</td>
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<tr>
<td>Final exam</td>
<td>60</td>
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*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 5th May 2023.

Date       Topic                           Instructor        TA
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Feb 9, 10  Patterns of Gene Inheritance  TANG              Owen HSIU
          (23)                                    
Feb 16, 17 Chromosomal Basis of Inheritance (24) TANG          Owen HSIU
Feb 23, 24 Biotechnology (26)                   TANG              Owen HSIU
Mar 2, 3   Reproduction (21)                  TANG              Owen HSIU
Mar 9, 10  Development (22)                   HO                Vaspan ENGINEER
Mar 16, 17 Digestive system and Nutrition (14) HO                Vaspan ENGINEER
Mar 23, 24 Respiratory System (15)             MILLER           Maria Vittoria ALFONSI
Mar 30, 31 Osmoregulation & Excretion (16)     MILLER           Maria Vittoria ALFONSI
Apr 13, 14 Immune System (13)                  HO                Vaspan ENGINEER
Apr 20, 21 Endocrine System (20)               HO                Vaspan ENGINEER
Apr 27, 28 Circulatory System (12)             MILLER           Zhaowei SUN
May 4, 5   Nervous System (17)                MILLER           Zhaowei SUN

Recommended Textbook (not compulsory)

Connect Standalone e-textbook: (Access for 180 days, non-returnable)

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<th>ISBN</th>
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<th>Author</th>
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<tr>
<td>9781264406937</td>
<td>CNCT OLA INQUIRY INTO LIFE</td>
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