

**TIMETABLE FOR SEMESTER I, 2017/2018**

**LSM1105 – Evolutionary Biology**

**Module Coordinator: A/P Antonia Monteiro**

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**LECTURES:** MONDAYS  
**TIME:** 1000 – 1200 hrs  
**VENUE:** LT28

**LECTURES:** THURSDAYS  
**TIME:** 1000 – 1200 hrs  
**VENUE:** LT28

| WK   | MONTH   | LECTURES  | LECTURES   |
|--|---------|---|--|
|  |         | MONDAYS   | THURSDAYS  |
| 1.   | Aug     | 14 What is Evolution?   | 17 What is the evidence for evolution?                               |
| 2.   |         | 21 How did life evolve?   | 24 How do variations come about?                                     |
| 3.   |         | 28 How do variations get fixed in populations via random processes? | 31 How do variations get fixed in populations via Natural Selection? |
| 4.   | Sep     | 4 What is the outcome of Natural Selection?                         | 7 What is artificial selection, and how do we use it in our lives?   |
| 5.   |         | 11 How does evolution lead to variation in Life Histories?          | 14 How do we connect genotypes to phenotypes?                        |
| 6.   |         | 18 How do we reconstruct species relationships?                     | 21 How do we interpret and use phylogenies?                          |
| <i>Recess Week: Sat 23 Sep – Sun 1 Oct 2017 (1 week)</i> |         |   |  |
| 7.   | Oct     | 2 Mid-term exam   | 5 What is convergent evolution?                                      |
| 8.   |         | 9 What is sexual selection?   | 12 Why sex? Causes and consequences.                                 |
| 9.   |         | 16 What are the main transitions in Evolution?                      | 19 What are species?   |
| 10.  |         | 23 How does speciation occur?                                       | 26 What is coevolution?  |
| 11.  | Oct/Nov | 30 What is evo-devo?  | 2 How do novel traits originate?                                     |
| 12.  |         | 6 How does the environment determine phenotypes?                    | 9 How does sociality and altruism evolve?                            |
| 13.  |         | 13 How did humans evolve?   | 16 How does evolution affect our lives?                              |

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|--|---|
|  | <b>READING PERIOD: Sat 18 Nov to Fri 24 Nov 2017 (1 week)</b> |
|  | <b>EXAMINATION: Monday, 4 December 2017, 9am</b>              |
|  | <b>VACATION: Sun 10 Dec 2017 to Sun 14 Jan 2018 (5 weeks)</b> |

Other Module Coordinator(s):  
Dr Ryan Chisholm