

## Course Schedule<sup>1,2</sup> (Please check Moodle regularly for content and instructions)

Date	Week	Topic	Lecture 1 (Tues 1-2pm, Clancy)	Lecture 2 (Thurs 12-1pm, Matthews D)	Lab exercise (Tues 2-5pm)	Assignments (%): due date
9 March	week 2	Foundations	1. Why study evolution? [MK]	2. How do we know about evolution? [MK]	1. Introduction to assignments	
16 March	week 3	Foundations	3. Overview of basic concepts [MK]	4. Variation and the Darwinian population [MK]	2. Gift giving and taking [MK]	Abstract (10%): 20/03
23 March	week 4	Foundations	5. Heredity [RB]	6. Heredity extended [RB]	3. Evolution in the field: field exercise [MK]	
30 March	week 5	Foundations	7. Plasticity and development [MK]	8. Adaptation [MK]	4. Evolution in the field: presentations [MK]	Evolution in the field assignment (5%): 2/04
<b>Mid-semester break [NO CLASSES!]</b>						
13 April	week 6	Life history	9. The life history [RB]	10. Why do we age? [RB]	5. Life history and demography	
20 April	week 7	Sex, speciation	11. Why have sex? [RB]	12. Speciation [RB]	6. The tools of evolutionary biology [RB]	1-page summary (5%): 24/04
27 April	week 8	Phylogenetics	13. How plants shaped our world [NN]	14. Phylogenetic reconstruction [NN]	7. Phylogenetics (Computer lab) [NN]	Research proposal (30%):
4 May	week 9	Coevolution, sex allocation	15. Predation, parasitism, mutualism [MK]	16. Competition, conflict, cooperation [MK]	8. Peer-editing workshop [RB]	5 min video (10%): 11/05
11 May	week 10	Cooperation, sexual selection	17. Sex allocation and frequency-dependent selection [L.S]	18. Sexual selection [AC]	9. Scientific communication and video peer-marking [MK]	
18 May	week 11	Sexual selection	19. Sperm/egg competition [AC]	20. Sexual conflict [RB]	10. Sexual selection [RB]	<u>Instructors</u> Michael Kasumovic (MK)
25 May	week 12	Human evolution	21. Human evolution: the naked ape [RB]	22. Human evolution: the paradox of mind and culture [RB]	11. Scientific careers workshop [RB]	Russell Bonduriansky (RB)
1 June	week 13	Wrapping up	23. Student research: demonstrator talks	24. Synthesis and Review [MK, RB]	12. Discussion: applying evolutionary biology	Nathalie Nagalingum (NN) Angela Crean (AC)

<sup>1</sup> UNSW Virtual Handbook: <http://www.handbook.unsw.edu.au/2015/index.html>

<sup>2</sup> UNSW Timetable: <http://www.timetable.unsw.edu.au/>