

EBIO 1210 General Biology Lecture Schedule (Fall 2007), MUEN E050

Professors Adams & Diggle; Sections 002 (10:00-10:50 am) and 003 (12:00-12:50 pm), MWF

Date	Topic (with figures and tables from textbook used in lectures)
Aug 27-31	Introduction and course/exam logistics (Fig. 1.3, 1.4) Elements vital for life (Table 2.1; Figs. 2.3, 2.1) Water and its unique role for life (Figs. 2.12/15, 3.3/7)
Sept 5, 7	Water and its unique role for life continued (Figs. 2.12/15, 3.3/7) Carbohydrates (basics, good/bad carbs in nutrition) (Figs. 4.1, 5.2, 5.3)
Sept 10-14	Carbohydrates (more basics/nutrition, biofuels) (Figs. 5.6, 45.12, 5.9) Fats (basics, good/bad fats in nutrition) (Figs. 5.12, 5.11)
Sept 17-21	Fats (steroids, cholesterol) (Figs. 5.13, 5.14, 4.9) Proteins/Nucleic acids (Figs. 5.19, 5.18, 5.20, 5.21, 5.25, 5.27, 5.26)
Sept 24	<i>FIRST EXAM – Coors Event Center, 6:30-8:00 pm</i>
Sept 24-28	Tour of the cell (Figs. 6.1, 6.9, 6.10, 6.16, 6.12, 6.13, 6.14, 6.1, 6.21, 26.13) Membranes structure and function (Figs. 7.2, 7.3, 7.4, 7.6, 7.5, 7.15 [for links to aquaporins: 41.15, 41.19, 44.15, 42.23, 35.2, 30.13, 35.3, 37.6, 37.12, 37.11, 31.25, 37.13] 7.17, 7.19, 7.9, 45.3)
Oct 1-5	Energy and enzymes (Figs. 1.4, 9.2, 8.6, 8.12, 8.8, 8.9, 8.11, 8.16, 8.17) What plants do for the planet and for humans (Figs. 50.3, 50.20, 2.18, 54.28, 9.2, 54.17, 54.24, 54.5, 54.20, 41.10, 54.17, Table 41.2, Figs. 37.6, 54.17, 37.12, 53.9, 30.13, 37.13, 22.11, 55.13, 35.20, 5.8, 29.10, Table 30.1, Figs. 55.4, 21.2)
Oct 8-12	Photosynthesis (basics, C3 & C4 biofuel crops) (Figs. 1.4, 9.2, 10.2, 10.3, 10.5, 10.12, 10.11, 10.17, 10.16, 10.21, 10.19) Cellular respiration (Figs. 9.1, 8.3, 9.2, 9.18, 9.17, 9.6, 9.16, 9.15, 6.17, 10.16, 9.19)
Oct 15,17	Biotechnology & FCQs
Oct 19*	(Prof. Diggle takes over; material to be covered on exam 3)
Oct 22	<i>SECOND EXAM – Coors Event Center, 6:30-8:00 pm</i>
	Second part of syllabus will be provided by Prof. Diggle
Nov 26	<i>THIRD Exam – Coors Events Center, 6:30-8:00PM</i>
Dec 17	<i>FINAL EXAM – Coors Events Center, 7:30-10:00 AM</i>