

EES C04H

B

Lecture/Discussion Topics

<i>Lecture No.</i>	<i>Date</i>	<i>Topic</i>
1	13 Sept	Classification: making sense of diversity
2	20 Sept	a) Describing and measuring diversity b) Spatial-temporal aspects of diversity: limits and driving forces
3	27 Sept	Spatial-temporal aspects of diversity: limits and driving forces
4	4 Oct	Changing geography - drifting continents setting the scene for changing life - and the influence of climate
5	11 Oct	

Lab Schedule

<i>Lab No.</i>	<i>Date</i> <i>Week of:</i>	<i>Topic**</i>
1	12 Sept	What is biodiversity? Field Trip to assess local invertebrate diversity
2	19 Sept	Lab work on local diversity [Report due Week of 27th Sept]
3	26 Sept	Diversity at the level of the single cell: The Protozoans (quiz)
4	3 Oct	Primitive multicellular animals: creating diversity from simple tissues and polymorphism to: Sponges and Colenterates (quiz)
5	10 Oct	Classification and phylogeny exercise: Phylum Metallica [Report due at the end of this lab period]
6	17 Oct	Flatworms to arthropods: blueprint for diversity [Platyhelminthes to Echiura] (quiz)
7	24 Oct	Flatworms to arthropods: blueprint for diversity [Mollusca to Arthropoda] (quiz)
8	31 Oct	Echinoderms and the ancestors of the vertebrates (quiz)
9	7 Nov	Vertebrate developments and distributions (quiz)
10	14 Nov	Biogeography of the caddisfly <i>Helicopsyche</i>
11	21 Nov	" " [continued] [Report due Week of 28th Nov]
12	28 Nov	T.B.A.

**** N.B. You must read through the appropriate lab outline before coming to each lab. Quizzes will be at the end of the lab.**

For the laboratory portion of the **final exam**, you are expected to be familiar with organisms to at least the Phylum (and Class where applicable) level. You will be responsible also for biological details such as life cycles, habitats, and very general structural/functional information. **Quizzes will be at the end of labs 3, 4, 6-9 inclusive; Lab 5: Metallica exercise report due at the end of the lab.**