Biology 284a Patterns in Life's Diversity

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2009 Tutorial Timetable

There are **6** sections & 5 sessions

https://studentservices.uwo.ca/secure/Timetables/mastertt/ttindex.cfm				
2	Tu	9:30 -11:3	0 am	B&G 0153
3	Tu	1:30 - 3:3	0 pm	Chem 09
4	Tu	3:30 - 5:3	0 pm	B&G 0156
5	Th	3:30 - 5:3	0 pm	Kresge 103
6	W	3:30 - 5:3	0 pm	Middl. 06

Tutorials begin 22 September

Biology 284a: Course Resources

The *only required* book is:

Lecture Notes for Biology 284a Patterns in Life's Diversity

Available in the bookstore, $@ \sim 13.00 buy a voucher if out of stock; 24 h. copy

Lectures follow chapters closely; *lectures discuss, & illustrate the text*

Useful *supplementary* books: (not required; just useful)

1. Margulis & Schwartz - Five Kingdoms

- (QH83.M36 1988)

- 2a. Cox & Moore Biogeography - (QH84.C65 1993)
- 2b. **Mielke Patterns of Life** - (QH84.M54 1989)

Video Materials

Library videos (QH315.3.VC) - on 5 kingdoms

Course VHS videos:

1. <u>Life on Earth</u> - organismal diversity (~4hrs)

2. <u>The Living Planet</u> - ecosystem diversity (12x1hr) these are available from me -Collip Rm. 111

Web Resources

Main page:

http://instruct.uwo.ca/biology/284

- → Course content, structure & resources
- → Course Overview
- → Link to lecture presentations
- → Links to useful web sites
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Lecture Presentations

• list of the lecture topics, often with links to appropriate web resources

 link to .html & .pdf versions of the lectures; getting there requires a login (bio284) & password (copyright)

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Credit in this Course Mid-term : 40%; Final : 60%

Mid-term materials include : 284a Course Lecture Notes: Introduction through Chap. 7 + Tutorials # 1 & 2 The <u>final</u> is *cumulative*, though the <u>emphasis</u> will be on the materials that follow the mid-term.

In 2009, the mid-term is set for 8.30-12.30, Saturday 7 November HSB 236 & 240 *(here)*

This & Final will be a Markex exams: a mix of T/F and multiple-choice Qs.

If you think you will have a conflict, check with the Dean's Office to see if it counts and then LET ME KNOW in good time

-why this course?

- increasing specialization
- increasingly technological approach
- but all Qs depend on the organisms
 - importance of diversity in itself
 - and the patterns it displays

• nature of our task

To clarify your responsibilities in the course, recall its goals:

• to introduce the range of earth's organisms & their ways of living,

- their history, phyletic relationships & classification,
 - their interactions & associations,
- the history & ecology of their patterns of distribution & adaptation.

a look at the course book... the Epigraph the closing passage of Darwin's "Origin"

• the Overture

the power of the evolutionary model to explain our patterns

• the Preamble a framework for getting to grips with diversity

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aspects of diversity

- 2. The taxonomic dimension how has this happened?
 - How are organisms related?
 - How should we classify them?



aspects of diversity

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- 4. The spatial dimension - how is life arrayed in space?
 - Where are the different lineages?
 - Where is most diversity found?
 - How have organisms adapted?
 - Resulting patterns?

BIOGEOGRAPHY

BIOMES 16

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