

BIOLOGY 209 2011
SCHEDULE OF LECTURES AND TUTORIALS
11:00, Bioscience Bldg., Biol. 2000 M, W, F

W	7-Sep	Introduction to the course and its instructors.
		<i>Brett Couch, Fungi and a few protists</i>
F	9-Sep	Introduction to Fungi in human disease
M	12-Sep	Basidiomycota: mushrooms
W	14-Sep	Intro to Basidiomycota life cycles
F	16-Sep	Basidiomycota: rusts
M	19-Sep	Intro to ascomycetes
W	21-Sep	Ascomycota; how molds grow.
F	23-Sep	Ascomycota; how molds reproduce.
M	26-Sep	Zygomycota life cycles
W	28-Sep	Chytrid water molds
F	30-Sep	Fungal Phylogeny, Fungus project due 5:00 PM. Submit in lab
M	3-Oct	Protists: Slime molds, Myxomycota, Dictyosteliomycota
W	5-Oct	Deep time; the geological age of the earth, animals, plants, fungi
F	7-Oct	Lecture exam: Fungi and Myxomycota, material through 6-Oct

M	10-Oct	<u>Thanksgiving</u>
W	12-Oct	<i>Michael Hawkes</i> Introduction to Algal Biodiversity
F	14-Oct	Ecological Importance of Algae
M	17-Oct	Life Histories_1
W	19-Oct	Life Histories_2
F	21-Oct	Browns
M	24-Oct	Reds
W	26-Oct	Greens_1
F	28-Oct	Greens_2 & The Big Picture: Chloroplast Origins
M	31-Oct	Toxic & Harmful Algal Blooms
W	2-Nov	Economic Uses. Algal project due 5:00 PM. Submit in lab
F	4-Nov	Lecture exam: Algae, material through 2 November

M	7-Nov	<i>Shona Ellis, Bryophytes & Intro to land plants</i>
W	9-Nov	Hepatophyta: Liverworts.
F	11-Nov	<i>No Class – Remembrance Day</i>
M	14-Nov	Liverworts: Leafies
W	16-Nov	Liverworts: Thalloids
F	18-Nov	Opportunities in Biology,
M	21-Nov	Bryophyta: Mosses
W	23-Nov	Moss Diversity
F	25-Nov	<i>Sphagnum</i> and Bog Ecology, Bryophyte projects due 5:00 PM. Submit in lab.
M	28-Nov	Anthocerotophyta: Hornworts
W	30-Nov	Evolutionary History of Bryophytes
F	2 Dec	Nonvascular Life on Earth and in the Final Exam

COURSE DETAILS – Biology 209 2009

<u>LECTURERS:</u>	<u>E-mail</u>	<u>Office</u>	<u>Phone</u>
Shona Ellis (coord)	shona@mail.ubc.ca	Biosc.	604-822-9728
Brett Couch			
Michael Hawkes	mhawkes@mail.ubc.ca	BioSc. 2526	604-822-5430

LABORATORIES

Brett Couch

TEACHING ASSISTANTS: Laura Anderson, Tanay Bose, Will Iles, Nyssa Temmel

Shona Ellis is in charge of the course this year, so see, call, or e-mail her for general course-related problems and registration. Contact the lectures for questions about lecture content.

For laboratory questions see Dr. Couch.

TEXTBOOKS - The required textbook this year is Biology of Plants, by Raven, Evert, and Eichhorn. Either 6th or 7th ed. will be fine.

FEES - There is a laboratory fee of \$20.00, covering the cost of lab materials and the lab manual.

EXAMINATIONS - There are both lecture and laboratory examinations:

<u>Lecture mark distribution -</u>	<u>% of course mark</u>
Fungi Lecture midterm	7%
Fungal project	2%
Algal Lecture midterm	7%
Algal project	2%
Bryophyte project	2%
PRS clicker questions	2%
Comprehensive Lecture final	28%
<i>Total lecture</i>	<i>50%</i>

The lecture final exam will be comprehensive with ~25% of the marks related to material from the first midterm, ~25% from the second midterm, and 50% from material presented after the second midterm.

<u>Laboratory mark distribution -</u>	<u>% of course mark</u>
Lab. quizzes/assignments	5%
Lab. midterm	20%
Lab. final	25%
<i>Total laboratory</i>	<i>50%</i>

PLEASE NOTE:

This is an integrated lab/lecture course and exams will draw on both lecture and laboratory material. To pass this course, a student must pass the laboratory portion of the course; a passing grade in lecture will not compensate for a failing laboratory grade.

A make up lecture examination will be scheduled for those who miss a lecture midterm exam for a valid and documented reason. If you cannot write the makeup examination, we will substitute the mark from the corresponding laboratory exam material. Make up laboratory exam questions will be offered at the time of the laboratory final for students who miss a lab midterm for a valid and documented reason.

PRS clicker questions. We are hoping that clicker questions will encourage discussion and communication. By answering a question, you will earn one mark for participation. Answering correctly will generally earn you a second mark. If your total clicker score is 80% or more of the total score possible, you will receive the full 10 pts possible in the PRS category at the end of the course.

OPEN LAB TIMES for project work:

For the most part open labs will be on Thursday and Friday in Rm. 3009.

Reading :

Biology 209 laboratory manual.

Pages from our textbook:

Fungi

7th Ed

Pp. 260-295

6th Ed

Pp. 306-346

Protista: Algae and heterotrophic protists

Pp. 296-344

Pp. 347-369

Pp. 370-399

Bryophytes

Pp. 345-367

Pp. 400-423

Appendix – Outline of Classification

Pp. A1-A7 (at end)

Pp. 881-886

Glossary -

Pp. G1-G26 (end)

Pp. 889-914

OTHER RESOURCES

Biology 209 Vista site (<www.elearning.ubc.ca/home/index.cfm>) has useful study aids, including:

Previous year's exams? Begin at the Biology 209 Vista site

(<www.elearning.ubc.ca/home/index.cfm>, and follow the directories: Homepage/ Lecture Info/**Lecture Exam**). Students last year said that the old examinations were good practice for lecture exams. Course content and the order of topics differs a little bit every year, and if you have no idea what a question is about, chances are we haven't covered the topic this year.

Notes and pictures of organisms seen in lab? See Biology 209 Vista site

(<www.elearning.ubc.ca/home/index.cfm> Homepage/Lab Info/LAB NOTES).

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