



Biology 1202B “General Biology II” – Course Outline 2011

Biology 1201A (fall) and 1202B (winter) are designed to help students outside the Faculty of Science build on the knowledge and skills acquired in Grade 12 Biology as preparation for second year programs.

Lecturers: Dr. Richard Gardiner <rgardine@uwo.ca>
Dr. Brenda Murphy <bmurphy@uwo.ca>

Lectures: Mon/Wed/Fri 10:30 am.
Nat Sci 145

Resources: - **Text:** *Biology: Exploring the diversity of life*,
Russell et al. 1st ed
- **Lab manual** must be a new copy (or 1st term)
- **Online** open <http://webct.uwo.ca> for
notes, marks, information

IMPORTANT: Activate your UWO email address.
The UWO community will not read or respond to emails from non-UWO email accounts
Furthermore, you will need your UWO UserID to access WebCT resources, and to contact lecturers
.e.g. csmith43@uwo.ca UserID = csmith43

Laboratories and Tutorials

Laboratories and tutorials are **mandatory** components of this course.

Find your lab section below and circle it.

<p>If your lab section is listed in this box, La/ 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 34, 35, 36, 37, 39, 40, 41, 42, 44, 45, 46, 47, 64, 69, 74, you will have Laboratory 1 the week of Jan 17 and Tutorial 1 the week of Jan 24.</p>	<p>If your lab section is listed in this box, La/ 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 49, 50, 51, 52, 54, 55, 56, 57, 59, 60, 61, 62, 79, 84, 89, you will have Tutorial 1 the week of Jan 17 and Laboratory 1 the week of Jan 24.</p>
<p>Laboratories meet in one of three rooms: NCB 309, 310, 320 To find out when and where your lab takes place, consult the Bio 1002B WebCT Home page, <Course Information> <Lab Schedule> <i>Attendance is mandatory</i></p>	<p>Tutorials meet in one of three rooms: NCB 285, 296, 340 To find out when and where your tutorial section meets for tutorials, consult Bio 1002B WebCT Home page, <Course Information> <Tutorial Schedule> <i>Attendance is mandatory</i></p>

Conflicts/Problems

Please contact the Course Coordinator (Dan Lajoie, NCB 301 dlajoie@uwo.ca) for any of these issues

- 1) Known conflicts with the mid-term test, at least **three days before** the test.
 - 2) Having missed a term test because of illness, accident, etc., **ASAP**.
 - 3) Requiring religious accommodation, at least **two weeks before** the test.
- Makeup tests are held 5 or 6 days after the regularly scheduled test. If a makeup cannot be arranged, all other grades will be reweighed as outlined on WebCT.
 - We require **WRITTEN DOCUMENTATION** which may be verified and submitted to Dan Lajoie through your Dean’s Office as outlined on WebCT.

Academic Integrity

Plagiarism is a serious academic offence. Please review the definition of plagiarism and its penalties as outlined by the general UWO policy and the specific Bio 1202B policies as outlined on WebCT and in our lab manual. Furthermore, computer marked multiple-choice tests use software that will flag unusual coincidences in answer patterns that may indicate cheating. All plagiarism will be investigated.

2011 Lecture Outline for Biology 1202B

Date	Lecture #	Lecture Topic	Chapter	Instructor
Jan 3	1	Course Introduction		Dr. Richard Gardiner
Jan 5	2	Membranes & Cells	Chapter 5: 93-104, 107-109	
Jan 7	3	Bioenergetics	Chapter 4: 71-78	
Jan 10	4	ATP & Enzymes	Chapter 4: 78-89	
Jan 12	5	Photosynthesis	All of Chapter 7	
Jan 14	6	Photosynthesis	All of Chapter 7	
Jan 17	7	Photosynthesis	All of Chapter 7	
Jan 19	8	Photosynthesis	All of Chapter 7	
Jan 21	9	Respiration	All of Chapter 6	
Jan 24	10	Respiration	All of Chapter 6	
Jan 26	11	Respiration	All of Chapter 6	
Jan 28	12	TBA		
Jan 31	13	DNA	Chapter 13	
Feb 2	14	DNA	Chapter 13	
Feb 4	15	DNA to mRNA (Transcription)	Chapter 14, 15	
Feb 7	16	mRNA to Protein (Translation)	Chapter 14, 15	
Feb 9	17	miRNA	Chapter 15	
Feb 11	18	Q&A		
Feb 12	Mid- Term Test (20%) 2:00 – 4:00 pm Lectures 1 to 17 Rooms TBA			
Feb 14	19	DNA Technology	Chapter 16	
Feb 16	20	DNA Technology	Chapter 16	
Feb 18	21	Application of DNA Technology		
Feb 21	Conference Week All lectures, labs, tutorials cancelled			
Feb 28	22	Application of DNA Technology		
Mar 2	23	Stem Cells, Hematopoiesis	Page 196, 779, 1090	
Mar 4	24	Immunology	Chapter 44	
Mar 7	25	Immunology	Chapter 44	
Mar 9	26	Application of Immunology	Self Assessment #1 (5%) Due Tue, Mar 8	
Mar 11	27	Q&A		
Mar 14	28	Origin of Life	Chapter 2	
Mar 16	29	Animal Reproduction	Chapter 38	
Mar 18	30	Plant Reproduction	Chapter 30	
Mar 21	31	Application of Reproduction		
Mar 23	32	Animal Development	Chapter 39	
Mar 25	33	Plant Development	Chapter 30	
Mar 28	34	Application of Development	Self Assessment #2 (5%) Due Sun, Mar 27	
Mar 30	35	Q&A		
April Exam Period Apr 10–30	Comprehensive Final Exam (40%) Date/Time TBA		<i>Do not book travel</i> <i>during this time.</i>	

Course Evaluation:

Tutorials	15%	Five tutorial assignments (attendance is mandatory)
Lab Assignments	15%	Five lab assignments (attendance is mandatory)
Feb Mid-term Test	20%	Multiple-choice, (Sat, Feb 12, 2:00 pm)
Self Assessments	10%	Two WebCT online assessments
Final Exam	40%	Multiple-choice, (Exam Period, Apr 10–30), <i>Do not book travel during this time.</i>