

UNIVERSITY OF CALGARY
DEPARTMENT OF BIOLOGICAL SCIENCES
COURSE OUTLINE

1. Course: **BIOLOGY 305 - THE HUMAN ORGANISM**

Lecture Sections: L01 MWF 14:30-16:20 SA 147 Spring 2014

Instructor(s): Dr. R. Cuthbertson BI 025H (025G) 220-7293 rscuthbe@ucalgary.ca

D2L course website: BIOL 305 (Spring 2014) - The Human Organism

Biological Sciences Department BI 186; (403) 220-3140; biosci@ucalgary.ca

2. **PREREQUISITE(S):** One of Biology 30 or 205 or 231 or 241.
See section 3.5.C in the Faculty of Science section of the online Calendar
(<http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html>)

ANTIREQUISITE(S): Credit for Biology 305 and any of Kinesiology 259, 260 261, Zoology 269, 361 or 363 will not be allowed.

Note: Not open for credit to Honours, Majors and Minors in the Department of Biological Sciences or to Natural Science program students with a Concentration in Biological Sciences.

3. **GRADING:** The University policy on grading and related matters is described in “Academic Regulations, sections F.1 and F.2” of the online University Calendar (<http://www.ucalgary.ca/pubs/calendar/current/f-1.html> and <http://www.ucalgary.ca/pubs/calendar/current/f-2.html>) In determining the overall grade in the course the following weights will be used:

Midterm Lecture Exam 1	30%	
Midterm Lecture Exam 2	35%	
Final Lecture Exam	35%	(Scheduled by the Registrar)

4. **Missed Components of Term Work.** The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in section 3.6: <http://www.ucalgary.ca/pubs/calendar/current/sc-3-6.html>. It is the student's responsibility to familiarize himself/herself with these regulations. See also <http://www.ucalgary.ca/pubs/calendar/current/e-3.html>.

5. Dates and times of class exercises held outside of class hours: N/A

REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY. If you have a clash with this out-of-class-time-activity, please inform your instructor as soon as possible so that alternative arrangements may be made for you.

6. **EXAMINATION POLICY:** No electronic or written aids (eg. cell phones, tablets, computers, PDAs, notes, textbooks) will be allowed during writing of any exams. Non-programmable calculators will be permitted to answer quantitative questions on exams, if applicable, and permission to do this will be clearly indicated on the examination paper. Students should also read the Calendar, Section G, on Examinations: <http://www.ucalgary.ca/pubs/calendar/current/g.html>.

7. **STUDIES IN THE BIOLOGICAL SCIENCES INVOLVE THE USE OF LIVING AND DEAD ORGANISMS.** See also <http://www.ucalgary.ca/pubs/calendar/current/e-5.html>.

Department Approval _____ Date _____
B305 CO P14; 3/31/2014 4:10 PM

8. OTHER IMPORTANT INFORMATION FOR STUDENTS:

- (a) **ACADEMIC MISCONDUCT** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under K. Student Misconduct (<http://www.ucalgary.ca/pubs/calendar/current/k.html>) to inform yourself of definitions, processes and penalties
- (b) **ASSEMBLY POINTS** in case of emergency during class time. Be sure to FAMILIARIZE YOURSELF with the information at <http://www.ucalgary.ca/emergencyplan/assemblypoints>.
- (c) **ACADEMIC ACCOMMODATION POLICY.** Students with documentable disabilities are referred to the following links:
Calendar entry on students with disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html>
Student Accessibility Services: www.ucalgary.ca/access
- (d) **SAFEWALK:** Campus Security will escort individuals day or night <http://www.ucalgary.ca/security/safewalk/>). Call **220-5333** for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **FREEDOM OF INFORMATION AND PRIVACY:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). As one consequence, **students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page.** For more information see also <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **STUDENT UNION INFORMATION:** VP Academic **Phone:** 220-3911 **Email:** suvpaca@ucalgary.ca.
SU Faculty Rep. **Phone:** 220-3913 **Email:** sciencerep@su.ucalgary.ca Website <http://www.su.ucalgary.ca/home/contact.html>.
Student Ombudsman: <http://www.su.ucalgary.ca/services/student-services/student-rights.html>
- (g) **INTERNET and ELECTRONIC COMMUNICATION DEVICE Information.** You can assume that in all classes that you attend, **your cell phone should be turned off.** Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.

UNIVERSITY OF CALGARY
DEPARTMENT OF BIOLOGICAL SCIENCES
COURSE OUTLINE

BIOLOGY 305

THE HUMAN ORGANISM

TERM: Spring 2014 SECTION NO: L01

PREREQUISITE(S): Completion of at least four full course equivalents.

A student may not register in a course without having attained a grade of at least C- in each prerequisite course.

LECTURER: Dr. R. Cuthbertson BI 025H (025G) 220-7293 rscuthbe@ucalgary.ca

LECTURES: MWF 14:30-16:20 SA 147

TEXTS: Required Human Biology; Concepts and Current Issues. 6th or 7th Ed., Johnson, Michael D., Pearson

MARK DISTRIBUTION:

Composition of Final Grade

1. **Midterm exam 1** 30%
Lecture content to be tested: Biology as a Science – Integument
Monday, June 2, 2014; in class
2. **Midterm exam 2** 35%
Lecture content to be tested: Respiration – Nervous System
Monday, June 16, 2014; in class
3. **Final Lecture Exam** 35%
Lecture content to be tested: Endocrine System – material covered in last day of class (June 25, 2014)
Registrar scheduled final exam – TBA

BIOLOGY 305 – Spring 2014 – tentative schedule of lectures

Note: when you read the assigned pages in the text, you can ignore the special sections entitled:

- 1) “Current Issues”,
- 2) “Try It Yourself”,
- 3) “Directions In Science”
- 4) “Health Watch”

Dates	Lecture Topic	Reading Assignment
May 14	Introduction – Biology as a Science	Chapter 1
16	Human Evolution/The Human Animal	Chapter 22
19	Victoria Day – No lectures	
21	Cell Structure and Function	Chapter 3
23	Tissues, Organ Systems, and Homeostasis	Chapter 4
26	Integument	
28	Respiration	Chapter 10
30	Respiration	
June 02	Midterm exam 1 (Biology as a Science – Integument)	
04	Blood	Chapter 7
06	Heart and Blood Vessels	Chapter 8
09	Nervous System	Chapter 11
11	Endocrine System	Chapter 13
13	Skeletal System	Chapter 5
16	Midterm exam 2 (Respiration – Nervous System)	
18	Muscular System	Chapter 6
20	The Digestive System and Nutrition	Chapter 14
23	The Digestive System and Nutrition	
25	To be determined	

Letter grade conversion scheme for Biology 305 (Spring 2014):

91 and above	A+
86 and above	A
81 and above	A-
76 and above	B+
71 and above	B
67 and above	B-
63 and above	C+
59 and above	C
55 and above	C-
50 and above	D+
45 and above	D
below 45	F