



BIOM*3090 Principles of Pharmacology

Winter 2020

Section(s): 01

Department of Biomedical Sciences

Credit Weight: 0.50

Version 1.00 - December 02, 2019

1 Course Details

1.1 Calendar Description

This course will introduce students to the basic principles of pharmacology. Topics to be covered include pharmacokinetics and drug-receptor interactions as well as the mechanism of action and toxicity of drugs acting on the cardiovascular and central nervous system.

Pre-Requisites: BIOC*2580, (1 of ANSC*3080, BIOM*3200, HK*3810, HK*3940, ZOO*3200, ZOO*3600)

1.2 Course Description

This course is intended primarily for students in the BSc Honours Bio-Medical Sciences, Biomedical Toxicology, Neuroscience, Nutritional and Nutraceutical Sciences majors, Biomedical Engineering and other students who have an interest in the treatment of disease processes.

1.3 Timetable

Timetable is subject to change. Please see WebAdvisor for the latest information.

1.4 Final Exam

The time and location of the final exam are subject to change. Please see WebAdvisor for the latest information.

2 Instructional Support

2.1 Instructional Support Team

Instructor: Dr. Brad Hanna
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Instructor: Dr. Ron Johnson
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Course Co-ordinator: Dr. Bettina Kalisch
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3 Learning Resources

Course WebSite:

For class information, the course outline, lecture schedule quiz dates and grades please consult the CourseLink site. Course notes will be available on this site in advance of the lectures.

3.1 Recommended Resources

Principles of Pharmacology, the Pathophysiologic Basis of Drug Therapy, Golan, Tashjian, Armstrong and Armstrong, Fourth Edition, 2017. (Textbook)

4 Learning Outcomes

5 Teaching and Learning Activities

Lecture Times & Location:

Monday 9:30, Wednesday 9:30, Friday 9:30 in Rozanski Hall room 101.

A schedule of lecture topics will be provided on CourseLink.

6 Assessments

6.1 Assessment Details

Online Quizzes (10%)

Five online **quizzes** will count for 10 % of the final grade (2 % per quiz).

Details regarding quiz availability will be provided on the Courselink course website. Students are responsible for completing quizzes on time and are encouraged to complete quizzes early in order to prevent any missed attempts due to computer or Internet issues. NO EXTENSIONS for on-line quizzes will be allowed.

Midterm Examination (40%)

The midterm examination will take place during the week of February 24th. The date, time and location will be updated on CourseLink once scheduling confirmation is received from the Registrar's office.

The exam will consist of multiple choice and short-answer questions and covers material presented in the first half of the course (pharmacokinetics, pharmacodynamics, autonomic pharmacology).

Final Examination (50%)

The **final examination** will emphasize the material presented in the second half of the course (cardiovascular and CNS pharmacology, anesthetics and pre-anesthetics), . The final examination will be scheduled and supervised by the Registrar's Office. All students will have the option of writing a **cumulative final examination** worth 90% of the final course grade and covering the entire course material. This exam will be written at the same time and location as the 50 % final exam. Any student who does not write the midterm and does not have documented medical or compassionate grounds for deferring the midterm must write the cumulative final examination. Any student who writes the midterm may choose to drop their midterm grade and sign up to write the cumulative final examination. A sign-up list will be made available on the CourseLink course site during the last two weeks of class. Both versions of the final examinations will consist of multiple choice and short answer questions.

7 Course Statements

7.1 Exam Protocol

See "Student's Responsibilities" in the Undergraduate Calendar. Students will be required to place bags, knapsacks, books and papers at the front or side of the class during the examination and jackets and purses beneath their seats. Cell phones should be turned off. The only supplies to be placed on the writing surface are: pens, pencils, erasers, highlighters, a ruler and a calculator [only if indicated by the instructor]. Do not bring valuable articles to the exam.

7.2 Course Evaluation

Students will be asked to complete an online questionnaire on instructors' teaching competence during the last two weeks of classes. This is part of the information required by the University to evaluate faculty performance for purposes of Tenure, Promotion and Selective Increases. Administered by a third party rather than the instructors, these evaluations will be delivered to the respective instructors ONLY after the final grades have been submitted to the Registrar's Office. Note: only the numerical ratings from the form will be made available to the Chair for administrative purposes - the Chair will NOT see any comments that are written on the evaluation forms unless signed by the student.

8 University Statements

8.1 Email Communication

As per university regulations, all students are required to check their e-mail account regularly: e-mail is the official route of communication between the University and its students.

8.2 When You Cannot Meet a Course Requirement

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons please advise the course instructor (or designated person, such as a teaching assistant) in writing, with your name, id#, and e-mail contact. The grounds for Academic Consideration are detailed in the Undergraduate and Graduate Calendars.

Undergraduate Calendar - Academic Consideration and Appeals

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>

Graduate Calendar - Grounds for Academic Consideration

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/index.shtml>

Associate Diploma Calendar - Academic Consideration, Appeals and Petitions

<https://www.uoguelph.ca/registrar/calendars/diploma/current/index.shtml>

8.3 Drop Date

Students will have until the last day of classes to drop courses without academic penalty. The deadline to drop two-semester courses will be the last day of classes in the second semester. This applies to all students (undergraduate, graduate and diploma) except for Doctor of Veterinary Medicine and Associate Diploma in Veterinary Technology (conventional and alternative delivery) students. The regulations and procedures for course registration are available in their respective Academic Calendars.

Undergraduate Calendar - Dropping Courses

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-drop.shtml>

Graduate Calendar - Registration Changes

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/genreg-reg-regchg.shtml>

Associate Diploma Calendar - Dropping Courses

<https://www.uoguelph.ca/registrar/calendars/diploma/current/c08/c08-drop.shtml>

8.4 Copies of Out-of-class Assignments

Keep paper and/or other reliable back-up copies of all out-of-class assignments: you may be asked to resubmit work at any time.

8.5 Accessibility

The University promotes the full participation of students who experience disabilities in their academic programs. To that end, the provision of academic accommodation is a shared responsibility between the University and the student.

When accommodations are needed, the student is required to first register with Student Accessibility Services (SAS). Documentation to substantiate the existence of a disability is required; however, interim accommodations may be possible while that process is underway.

Accommodations are available for both permanent and temporary disabilities. It should be noted that common illnesses such as a cold or the flu do not constitute a disability.

Use of the SAS Exam Centre requires students to book their exams at least 7 days in advance and not later than the 40th Class Day.

For Guelph students, information can be found on the SAS website
<https://www.uoguelph.ca/sas>

For Ridgetown students, information can be found on the Ridgetown SAS website
<https://www.ridgetownc.com/services/accessibilityservices.cfm>

8.6 Academic Integrity

The University of Guelph is committed to upholding the highest standards of academic integrity, and it is the responsibility of all members of the University community—faculty, staff, and students—to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff, and students have the responsibility of supporting an environment that encourages academic integrity. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection.

Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

Undergraduate Calendar - Academic Misconduct
<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-amisconduct.shtml>

Graduate Calendar - Academic Misconduct

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/index.shtml>

8.7 Recording of Materials

Presentations that are made in relation to course work - including lectures - cannot be recorded or copied without the permission of the presenter, whether the instructor, a student, or guest lecturer. Material recorded with permission is restricted to use for that course unless further permission is granted.

8.8 Resources

The Academic Calendars are the source of information about the University of Guelph's procedures, policies, and regulations that apply to undergraduate, graduate, and diploma programs.

Academic Calendars

<https://www.uoguelph.ca/academics/calendars>
