

**Dept of Physiology and Pharmacology
Respiratory Health & Disease, Physiology 4200B**

Course outline for Winter 2021



Although this academic year might be different, Western University is committed to a **thriving campus**. We encourage you to check out the [Digital Student Experience](#) website to manage your academics and well-being. Additionally, the following link provides available resources to support students on and off campus: <https://www.uwo.ca/health/>.

1. Technical Requirements:



Stable internet connection



Laptop or computer



Working microphone



Working webcam

2. Course Overview and Important Dates:



Delivery Mode	Dates	Time
Blended format	Tuesdays	9:30-11:30

*Details about design and delivery of the course are listed below in Section 4

Classes Start	Reading Week	Classes End	Study day(s)	Exam Period
January 11	February 13 - 21	April 12	April 13	April 14 - 30

*March 14, 2021: Last day to drop a second-term half course or a second-term full course without penalty

3. Contact Information



Course Coordinator	Contact Information
Ruud Veldhuizen	E-mail: rveldhui@uwo.ca

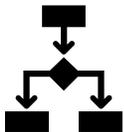
Instructor	Contact Information
Sean Gill	E-mail: sgill8@uwo.ca

4. Course Description and Design

This course examines the normal pulmonary environment, including lung development and adaptations to high altitude, and a variety of pathophysiological conditions and processes. For each condition or disease, physiological abnormalities and current therapies will be discussed, as will pathophysiological mechanisms with some emphasis on chronic and acute inflammation.

Prerequisite: Physiology 3120

Mode	Dates	Time	Frequency
Blended	Tuesdays	9:30-11:30	weekly



- In class lectures (with physical distancing)
- Synchronous streaming of in class lectures (if feasible)
- In-class participation (discussions etc)
- Online group and individual participation
- Potential for asynchronous lectures and participation

All course material will be posted to OWL: <http://owl.uwo.ca>. Any changes will be indicated on the OWL site and discussed with the class.

If students need assistance, they can seek support on the [OWL Help page](#). Alternatively, they can contact the [Western Technology Services Helpdesk](#). They can be contacted by phone at 519-661-3800 or ext. 83800.

[Google Chrome](#) or [Mozilla Firefox](#) are the preferred browsers to optimally use OWL; up you're your browsers frequently. Students interested in evaluating their internet speed, please click [here](#).

5. Learning Outcomes

Upon successful completion of this course, students will be able to:

- Demonstrate knowledge comprehension of pulmonary physiology in health and disease
- Understand the basic methodological concepts to study lung physiology in health and disease
- Outline approaches to answer basic or clinical research questions related to lung physiology in health and disease
- Discuss research papers related to pulmonary physiology in health and disease



6. Course Content and Schedule



Week	Dates	Topic	Instructor
1	Jan 11 – 17	Introduction	Ruud Veldhuizen
2	Jan 18 – 24	Innate host defense	Sean Gill
3	Jan 25 – 31	The aging lung	Sean Gill
4	Feb 1 – 7	Asthma	Ruud Veldhuizen
5	Feb 8 – 14	COPD	Ruud Veldhuizen
6	<i>Feb 15 – 21</i>	<i>Reading Week</i>	<i>N/A</i>
7	Feb 22 – 28	ARDS + Inflammation	Sean Gill
8	Mar 1 – 7	Mechanical Ventilation	Ruud Veldhuizen
9	Mar 8 – 14	Lung transplantation	Ruud Veldhuizen
10	Mar 15 – 21	Lung fibrosis	Sean Gill
11	Mar 22 – 28	Cystic Fibrosis	Ruud Veldhuizen
12	Mar 29 – Apr 4	Summary	Veldhuizen/Gill
13	Apr 5	?	

7. Online Participation and Engagement



Students are expected to participate and engage with content as much as possible

8. Evaluation

Below is the evaluation breakdown for the course. Any deviations will be communicated.

Assessment	Format	Weighting	Due Date
Midterm exam	Group Take home (written plus video)	30%	(approx. March 17)
Participation	Outside lecture hours	15%	Throughout
Participation	During lectures hours	15%	Throughout
Final exam	Oral	30% (with paper critique) or 40% (without paper critique)	TBD (April 14 – 30)
Optional paper critique	Written	10%	April 8



- All assignments are due at 11:55 pm EST unless otherwise specified
- Written assignments will be submitted to Turnitin (statement in policies below)
- After an assessment is returned, students should wait 24 hours to digest feedback before contacting their evaluator; to ensure a timely response, reach out within 7 days

Click [here](#) for a detailed and comprehensive set of policies and regulations concerning examinations and grading. The table below outlines the University-wide grade descriptors.

A+	90-100	One could scarcely expect better from a student at this level
A	80-89	Superior work which is clearly above average
B	70-79	Good work, meeting all requirements, and eminently satisfactory
C	60-69	Competent work, meeting requirements
D	50-59	Fair work, minimally acceptable
F	below 50	Fail

Information about late or missed evaluations:

- Late assessments without a self-reported illness or documentation to academic counselling will be subject to a late penalty of 10%
- Late assessments with a self-reported absence should be submitted within 24 hours of submission of the self-report

9. Communication:



- Students should check the OWL site every regularly (every 48hr)
- A weekly update will be provided on the OWL announcements
- Emails will be monitored daily; we will aim to respond within 48 hours
- This course will use zoom for discussions
- This course will use the OWL forum for discussions
- The discussion forums will be monitored daily by instructors

10. Office Hours:



- There are no official office hours for this course. Students are encouraged to contact lecturers directly to set up a (zoom) appointment.

11. Resources



- All resources will be posted in OWL

12. Professionalism & Privacy:

Western students are expected to follow the [Student Code of Conduct](#). Additionally, the following expectations and professional conduct apply to this course:



- Students are expected to follow online etiquette expectations provided on OWL
- All course materials created by the instructor(s) are copyrighted and cannot be sold/shared
- Recordings are not permitted (audio or video) without explicit permission
- Permitted recordings are not to be distributed
- Students will be expected to take an academic integrity pledge before some assessments
- All recorded sessions will remain within the course site or unlisted if streamed

13. How to Be Successful in this Class:



Students enrolled in this class should understand the level of autonomy and self-discipline required to be successful.

1. Start early working on midterm.
2. Ask questions in class and online.
3. Actively participate in class
4. Actively participate online (Make it a daily habit to log onto OWL to ensure you have seen everything posted).

14. Western Academic Policies and Statements

Absence from Course Commitments

[Policy on Academic Consideration for Student Absences](#)

If you are unable to meet a course requirement due to illness or other serious circumstances, you must seek approval for the absence as soon as possible. Approval can be granted either through a **self-reported absence** or via the **Academic Counselling** unit. Students have two self-reports to use throughout the academic year; absence from course commitments including tests, quizzes, presentations, labs, and assignments that are worth 30% or less can be self-reported. Self-reported absences cover a student for 48 hours (yesterday + today or today + tomorrow). Your instructor will receive notification of your consideration; however, you should contact your instructor immediately regarding your absence. Students are expected to submit missed work within 24 hours of the end of the 48-hour period. Please review details of the [university's policy on academic consideration for student absences](#).

If you have used both their self-reported absences or will miss more than 48 hours of course requirements, a Student Medical Certificate (SMC) should be signed by a licensed medical or mental health practitioner and you should contact academic counselling. Academic Counselling will be operating virtually this year and can be contacted at scibmsac@uwo.ca.

Accommodation for Religious Holidays

The policy on Accommodation for Religious Holidays can be viewed [here](#).

Special Examinations

A Special Examination is any examination other than the regular examination, and it may be offered only with the permission of the Dean of the Faculty in which the student is registered, in consultation with the instructor and Department Chair. Permission to write a Special Examination may be given on the basis of compassionate or medical grounds with appropriate supporting documents. To provide an opportunity for students to recover from the circumstances resulting in a Special Examination, the University has implemented Special Examinations dates. These dates as well as other important information about examinations and academic standing can be found [here](#).

Academic Offenses

"Scholastic offences are taken seriously, and students are directed [here](#) to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence.

Accessibility Statement

Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Accessible Education (AE) at 661-2111 x 82147 for any specific question regarding an accommodation or review [The policy on Accommodation for Students with Disabilities](#).

Correspondence Statement

The centrally administered **e-mail account** provided to students will be considered the individual's official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at his/her official university address is attended to in a timely manner. You can read about the privacy and security of the UWO email accounts [here](#).

Turnitin and other similarity review software

All assignments will be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. Students will be able to view their results before the final submission. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between Western University and [Turnitin.com](https://www.turnitin.com).

15. Academic Policies and Statements

Copyright and Audio/Video Recording Statement

Course material produced by faculty is copyrighted and to reproduce this material for any purposes other than your own educational use contravenes Canadian Copyright Laws. You must always ask permission to record another individual and you should never share or distribute recordings.

Rounding of Marks Statement

Across the Basic Medical Sciences Undergraduate Education programs, we strive to maintain high standards that reflect the effort that both students and faculty put into the teaching and learning experience during this course. All students will be treated equally and evaluated based only on their actual achievement. **Final grades** on this course, irrespective of the number of decimal places used in marking individual assignments and tests, will be calculated to one decimal place and rounded to the nearest integer, e.g., 74.4 becomes 74, and 74.5 becomes 75. Marks WILL NOT be bumped to the next grade or GPA, e.g. a 79 will NOT be bumped up to an 80, an 84 WILL NOT be bumped up to an 85, etc. The mark attained is the mark you achieved, and the mark assigned; requests for mark “bumping” will be denied.

16. Support Services

The following links provide information about support services at Western University.

[Academic Counselling \(Science and Basic Medical Sciences\)](#)

[Appeal Procedures](#)

[Registrarial Services](#)

[Student Development Services](#)

[Student Health Services](#)