



**FACULTY OF HUMANITIES AND SOCIAL SCIENCES**

**GRADUATE SCHOOL OF NURSING, MIDWIFERY AND HEALTH**

# **HLTH 502: Applied Pathophysiology**

**30 POINTS**  
**TRIMESTER 2 2016**

## **Key dates**

**Trimester dates:** 11 July to 13 November 2016

**Teaching dates:** 11 July to 16 October 2016

**Mid-trimester break:** 22 August to 4 September 2016

**Last assessment item due:** Friday 14 October 2016

**Withdrawal dates:** Refer to [www.victoria.ac.nz/students/study/withdrawals-refunds](http://www.victoria.ac.nz/students/study/withdrawals-refunds).

If you cannot complete an assignment or sit a test in the last three weeks of teaching, or an examination, it may instead be possible to apply for an aegrotat (refer to [www.victoria.ac.nz/students/study/exams/aegrotats](http://www.victoria.ac.nz/students/study/exams/aegrotats)).

## SECTION 1: OPERATIONAL INFORMATION

### Class times and locations

#### 1<sup>st</sup> School

Dates: Monday 18 & Tuesday 19 July 2016  
Times: 0900 - 1700 daily  
Venue: CS801, Level 8, Clinical Services Building (CSB), Wellington Regional Hospital, Riddiford St, Newtown, Wellington

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#### 2<sup>nd</sup> School

Dates: Thursday 18 & Friday 19 August 2016  
Times: 0900 - 1700 daily  
Venue: CS801, Level 8, Clinical Services Building (CSB), Wellington Regional Hospital, Riddiford St, Newtown, Wellington

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#### 3<sup>rd</sup> School

Dates: Monday 19 September 2016  
Times: 0900 - 1700  
Venue: CS801, Level 8, Clinical Services Building (CSB), Wellington Regional Hospital, Riddiford St, Newtown, Wellington

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### Important Notice

The Graduate School of Nursing, Midwifery & Health at Victoria University of Wellington, uses all reasonable skill and care in an effort to ensure the information and course content information contained in this outline is accurate at the time of going to print.

Students should be aware, however, that in the event course timetables and venues need to be changed, all attempts will be made to notify the students.

### Names and contact details

#### Course Coordinator

Dr Jon Cornwall  
Ph: 04 463 6650  
Email: [jon.cornwall@vuw.ac.nz](mailto:jon.cornwall@vuw.ac.nz)  
Office hours: Tuesdays & Wednesdays 9 – 5pm

#### Administrator

Ph: 04 463 5363  
Email: [nmh@vuw.ac.nz](mailto:nmh@vuw.ac.nz)  
Office hours: Monday to Friday 9 – 4pm

#### Office Hours

The Graduate School office will be open 09.00 – 4.00pm weekdays from Tuesday 5 January 2016 and close on Thursday 22 December 2016.

Please contact the course coordinator directly either by telephone or email should you wish to make an appointment or discuss course related issues.

**Postal Address**

Graduate School of Nursing, Midwifery & Health  
Victoria University of Wellington  
P O Box 7625  
Newtown  
Wellington 6242

**Physical Address**

Level 7, Clinical Services Block (CSB)  
Wellington Regional Hospital  
Riddiford St, Newtown  
Wellington 6021

**Communication of additional information**

All course information and information on changes that occur during the course will be conveyed to students via Blackboard or student email.

## **SECTION 2: COURSE INFORMATION**

### **Prescription**

Pathophysiology is explored in relation to clinical practice and emerging evidence. This course provides a foundation for clinical decisions related to interventions, management and expected health outcomes across the lifespan.

### **Course learning objectives (CLOs)**

This course has been designed to facilitate development of advanced knowledge of the human body during disease and illness. The course is designed for all health professionals to develop an understanding of the physiological mechanisms and interactions, which when disrupted or altered, present as acute and chronic dysfunction in patients who could otherwise be healthy.

By the end of this course students will be able to:

1. Demonstrate advanced knowledge and comprehension of common pathophysiological processes
2. Understand the underlying principles of the pathophysiology of long-term and common conditions
3. Critically analyse and interpret research based knowledge regarding pathological changes in selected disease states

### **Teaching format**

There will be five School days held in Wellington which will be delivered in three blocks over the trimester. The days will be a mix of lectures, tutorials and small group activities. A distance component supported by Blackboard forms part of the course and supports the development of the content delivered in the school.

### **Mandatory course requirements**

In addition to achieving an overall pass mark of 50%, students must:

1. Attend all Schools unless under special circumstances prior arrangements have been made with the course coordinator; this course relies on student participation and engagement which underpins the development of understanding of key physiological concepts.
2. Complete all pieces of assessment and achieve a minimum of 35% in Assessment One and Assessment Two, in order to demonstrate the achievement of all the CLOs of the course.

Any student who is concerned that they have been (or might be) unable to meet any of the MCRs because of exceptional personal circumstances, should contact the course coordinator as soon as possible.

### **Workload**

As a guide each 30-point course at the Graduate School requires students to allocate approximately ten hours per point for self-directed study, research, assessments and attendance at Schools.

Reading lists from the set text and additional reading material will be provided to assist with self-directed learning and preparation for the written tests. Consequently 300 hours should be spread evenly over the 12 week trimester, and the mid-trimester break.

This course comprises approximately 40 hours of course contact time for lectures and tests. The amount of time you should notionally assign to the completion for each of the assignments is as follows:

1. Assessment item one: Written test one (30%): 80 hours
2. Assessment item two: Written test two (30%): 80 hours
3. Assessment item three: Case example (40%): 100 hours

## SECTION 3: ASSESSMENT INFORMATION

### Assessment

Assessment items and workload per item		%	CLO(s)	Due date
1	Written test one (120 minutes)	30%	1, 2	Thursday 18 August
2	Written test two (120 minutes)	30%	1, 2	Monday 19 September
3	Case example (3000 words)	40%	1, 2, 3	Friday 14 October

Marking criteria for each assessment will be made available on Blackboard.

### Assessment item one

Assessment: **Written test one**

Test Date: Thursday 18 August 2016

Test Time: 10.00am - 12.10pm

This test is worth 30% of your final grade

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This assessment should demonstrate your understanding of normal anatomy and physiological processes of different body systems that underpin advanced pathophysiological processes.

The written test comprise a series of short answer questions in relation to cellular and organ systems function and the effects of dysfunction and disease.

You are required to answer all questions. Each question is designed to test your knowledge of physiological function in health and key pathophysiological concepts.

Students who are prevented by some **unexpected exceptional circumstance** beyond their control from undertaking the test at the scheduled time must contact the Course Coordinator immediately to discuss the possibility of special arrangements. Students who are prevented from completing the test due to significant illness must produce a medical certificate to indicate that they are medically unfit to sit the test. This certificate must be dated within 48 hours of the course test.

This test meets the course learning objectives: 1, 2

### Assessment item two

Assessment: **Written test two**

Test Date: Monday 19 September 2016

Test Time: 10.00am - 12.10pm

This test is worth 30% of your final grade

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The purpose of this test is for the student to demonstrate their knowledge of pathophysiological processes in relation to different body systems.

The written test comprises of a series of short answer questions in relation to a patient's history, presenting signs and symptoms, and disease sequelae.

You are required to answer a subset of questions from those provided (e.g. four from six, or similar). Each question is designed to test your knowledge of key pathophysiological concepts related to a particular patient history and presentation.

Students who are prevented by some **unexpected exceptional circumstance** beyond their control from undertaking the test at the scheduled time must contact the course co-ordinator immediately to discuss the possibility of special arrangements. Students who are prevented from completing the test due to significant illness must produce a medical certificate to indicate that they are medically unfit to sit the test. This certificate must be dated within 48 hours of the course test.

This test meets the course learning objectives: 1, 2

### **Assessment item three**

Assignment: **Case example**

Due Date: Friday 14 October 2016

Word Count: 3000 words

This assignment is worth 40% of your final grade

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You will be provided with three case examples. You will select one of these case examples. In this assignment you are to identify and describe molecular and cellular mechanisms that have become altered or disrupted in the disease or disorder and how these contribute to the presentation of this case example. You should discuss how the pathophysiological processes are responsible for the clinical presentation of this patient, the significance of clinical signs and symptoms and the physiological basis of patient care.

The case examples will be available on Blackboard shortly after the commencement of the course.

This assignment meets the course learning objectives: 1, 2 & 3

**Please submit this assignment electronically through Turnitin/Blackboard.**

### **Submission and return of work**

For submission details, please see individual assessment items. Test papers and assignments will not be returned to students. Test marks and feedback on performance will normally be provided within three weeks of the test/due date.

### **Extensions**

An extension to a deadline will only be considered where there are extenuating circumstances. An application for an extension must be made by you in writing/e-mail to the course coordinator at least 24 hours before the due date. When communicating your request you must include the following information:

- name, student number and contact details
- course code
- date of submission and request date for new submission
- reason for extension request

Upon receipt of your request, course coordinators may grant an extension of up to two weeks. Any further request for an extension may require Head of School approval.

### **Penalties**

Late assignments or assignments with extensions may be subject to delays in marking and may not receive comprehensive feedback.

A penalty will be incurred for late submission of work **where no prior arrangement** has been made as follows:

- Work submitted up to seven days after the due date without an extension will receive a two grade penalty. For example, from a B+ to a B-.

- Work submitted 8-14 days after the due date without an extension will receive a four grade penalty. For example, from a B+ to a C.
- Work submitted more than 15 days late without an extension will not be marked and will receive an 'E' (fail) grade.

**Other marking penalties**

Assignments may also be penalised for poor presentation and for exceeding or being below the word limit by 10%.

## SECTION 4: ADDITIONAL INFORMATION

### Set texts

Grossman, S.C. & Porth, C. M. (2014). *Porth's Pathophysiology: Concepts of altered health states* (9th ed.). Philadelphia: Lippincott Williams and Wilkins.

You will be required to work from the required text in preparation for and during School days.

Textbooks may be purchased from the Vicbooks website: [www.vicbooks.co.nz](http://www.vicbooks.co.nz). Copies may also be obtained online from [www.fishpond.co.nz](http://www.fishpond.co.nz) or <http://www.amazon.com/>

**N.B.** The earlier 7<sup>th</sup> and 8<sup>th</sup> editions of this textbook are also suitable for this course.

### Recommended reading

Links to articles will be made available via Blackboard. Other textbooks for additional reading include:

Craft, J., Gordon, C., & Tiziani, A. (2011). *Understanding pathophysiology*. St Louis: Mosby Elsevier.

McCance, K. L., & Huether, S. E. (2009). *Pathophysiology: The biological basis for disease in adults and children* (6<sup>th</sup> ed.). St Louis: Mosby Elsevier.

McCance, K. L., & Huether, S. E. (2009). *Study guide for pathophysiology: The biological basis for disease in adults and children* (6<sup>th</sup> ed.). St Louis: Mosby Elsevier.

### Student feedback

Student feedback on University courses may be found at [www.cad.vuw.ac.nz/feedback/feedback\\_display.php](http://www.cad.vuw.ac.nz/feedback/feedback_display.php).

Student feedback after assessment item one (test one) during trimester one, 2016, resulted in an increase in the duration of assessment item two (test two) from 90 minutes to 120 minutes. This alteration is carried forward for assessment items one and two (tests one and two) for this course in the second trimester, where both tests will be 120 minutes in duration.

### Ethics conduct

Students are expected to adhere to ethical principles in all aspects of their coursework. This applies to academic integrity and also to the way information about, or from, individuals in the practice setting is managed. Good ethical practice must be maintained in all learning activities. The Human Ethics Committee at Victoria University of Wellington has granted approval for the incorporation of data or observations from patient/client/individuals into coursework from the Graduate School of Nursing, Midwifery and Health, and expects adherence to the instructions below.

Students are expected to adhere to their professional codes of conduct and standards, relevant legislative frameworks and contractual obligations to any employing organisation at all times. In addition, all students in classes where assignments might include observations, reports, images, photographs or descriptions of individuals (patients or colleagues) with whom they have worked in a clinical or practice setting as part of an assignment, must:

1. Read and sign the "Information for using individual data in an assignment: Student agreement statement";
2. Determine whether verbal or written informed consent is required, according to the guidelines provided in the student agreement statement and in consultation with their course coordinator if they are unsure;



3. Provide the patient/client/individual, or the parent/guardian of the child, whose data they intend to use with full information about how they intend to obtain and use the data;
4. Provide written information and obtain written informed consent if required.

Should students have any concerns about ethical aspects of their course requirements they should discuss them with the course coordinator.

**Your Course Coordinator will discuss the ethical implications and special requirements (if any) for this particular course.**

## Other important information

The information above is specific to this course. There is other important information that students must familiarise themselves with, including:

- Academic Integrity and Plagiarism: [www.victoria.ac.nz/students/study/exams/integrity-plagiarism](http://www.victoria.ac.nz/students/study/exams/integrity-plagiarism)
- Academic Progress: [www.victoria.ac.nz/students/study/progress/academic-progress](http://www.victoria.ac.nz/students/study/progress/academic-progress) (including restrictions and non-engagement)
- Dates and deadlines: [www.victoria.ac.nz/students/study/dates](http://www.victoria.ac.nz/students/study/dates)
- FHSS Student and Academic Services Office: [www.victoria.ac.nz/fhss/student-admin](http://www.victoria.ac.nz/fhss/student-admin)
- Grades: [www.victoria.ac.nz/students/study/progress/grades](http://www.victoria.ac.nz/students/study/progress/grades)
- Special passes: refer to the *Assessment Handbook*, at [www.victoria.ac.nz/documents/policy/staff-policy/assessment-handbook.pdf](http://www.victoria.ac.nz/documents/policy/staff-policy/assessment-handbook.pdf)
- Statutes and policies including the Student Conduct Statute: [www.victoria.ac.nz/about/governance/strategy](http://www.victoria.ac.nz/about/governance/strategy)
- Student support: [www.victoria.ac.nz/students/support](http://www.victoria.ac.nz/students/support)
- Students with disabilities: [www.victoria.ac.nz/st\\_services/disability](http://www.victoria.ac.nz/st_services/disability)
- Student Charter: [www.victoria.ac.nz/learning-teaching/learning-partnerships/student-charter](http://www.victoria.ac.nz/learning-teaching/learning-partnerships/student-charter)
- Subject Librarians: <http://library.victoria.ac.nz/library-v2/find-your-subject-librarian>
- Terms and conditions: [www.victoria.ac.nz/study/apply-enrol/terms-conditions/student-contract](http://www.victoria.ac.nz/study/apply-enrol/terms-conditions/student-contract)
- Turnitin: [www.cad.vuw.ac.nz/wiki/index.php/Turnitin](http://www.cad.vuw.ac.nz/wiki/index.php/Turnitin)
- University structure: [www.victoria.ac.nz/about/governance/structure](http://www.victoria.ac.nz/about/governance/structure)
- Victoria graduate profile: [www.victoria.ac.nz/learning-teaching/learning-partnerships/graduate-profile](http://www.victoria.ac.nz/learning-teaching/learning-partnerships/graduate-profile)
- VUWSA: [www.vuwsa.org.nz](http://www.vuwsa.org.nz)

## Blackboard Information

Students enrolling for this course will need regular internet access to engage with the online Victoria learning platform (Blackboard).

Blackboard is an online environment that supports teaching and learning at Victoria by making course information, materials and learning activities available online. Blackboard provides web-based access to course content, assessment, communication and collaboration tools.

### How to log onto Blackboard

- Open a web browser and go to <https://my.vuw.ac.nz/>
- Enter your student username which you will find in your *Confirmation of Study* sent via email. It is usually made up of six letters of your last name and four letters of your first name e.g. Bart Simpson's username would be 'simpsobart'
- Enter your password. If you have never logged in before your initial password should be 'Vuw' followed by a hyphen and your student ID number e.g. Vuw-123456789

- Click on the Blackboard icon
- Alternatively, if you want to access Blackboard without going through the myVictoria portal, just log on at <http://blackboard.vuw.ac.nz>

### **Off Campus access**

Blackboard is available from any location where you can access the Internet. This may be your home, work or an internet café.

**Problems with access?** Contact ITS service desk **04 463 5050**