

PHRM1011

Concepts in Pharmacy

Course Outline
Term 1, 2023

School of Health Sciences
Faculty of Medicine & Health

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1. Staff

Position	Name	Email	Consultation times and locations	Contact Details
Senior Course Convenor	Ramesh Walpola	r.walpola@unsw.edu.au	Mondays 2-3pm by appointment	Please contact via email only.
Course Convenor	Branko Radojkovic	b.radojkovic@unsw.edu.au	Mondays 11 am-1pm by appointment	Please contact via email only.
Tutor	Jamil Karaki		n/a	

2. Course information

Units of credit: 6

Pre-requisite(s): None

Teaching times and locations:

Activity	Location	Times
Seminars	Wallace Wurth Room LG03	Mondays 5-6pm Wednesdays 9-11am
Tutorials	Matthews Rooms 107 or 108	Fridays 1-3pm or 3-5pm
Workshops	Wallace Wurth Lab 120	Wednesdays 12-2pm or 2-4pm or Thursdays 9-11am or 11am-1pm

2.1 Course summary

Concepts in Pharmacy is the first pharmacy course of the UNSW Pharmacy Program. In this course, you will gain an understanding of the profession and the core concepts that are critical to the role of a practicing pharmacist. You will explore the breadth of professional pathways open to you, from drug discovery through to clinical practice to help set you up for success throughout the program and your career.

2.2 Course aims

This course aims to provide you with an overview of the pharmacy profession and introduce you to a variety of careers made possible by the completion of the UNSW Pharmacy program. It also introduces you to key skills and concepts that are critical to the role of the practising pharmacist.

2.3 Course learning outcomes (CLO)

At the successful completion of this course you (the student) should be able to:

1. discuss some of the critical stages in the history of medicine, medicines and pharmacy, and the implications for contemporary medicine and pharmacy practice
2. explain the broad structure of the health care system in Australia and the roles of the pharmacists within the health system.
3. describe the professional bodies and their roles in governing the profession of pharmacy
4. describe the roles pharmacists have in ensuring the safe and effective provision of medicines and cognitive services
5. summarise the legal and ethical frameworks within pharmacy practice
6. summarise the basic principles of patient and medicines safety
7. explain the general principles of laboratory safety practices
8. demonstrate basic mathematical skills in pharmaceutical calculations

2.4 Relationship between course and program learning outcomes and assessments

Course Learning Outcome (CLO)	LO Statement	Program Learning Outcome (PLO)	Related Tasks & Assessment
1	discuss some of the critical stages in the history of medicine, medicines and pharmacy, and the implications for contemporary medicine and pharmacy practice	3,8	Seminars, workshops, assessments 2,4
2	explain the broad structure of the health care system in Australia and the roles of the pharmacists within the health system.	2,3,5,6,8	Seminars, workshops, assessments 1, 4
3	describe the professional bodies and their roles in governing the profession of pharmacy	2,3,5,6,8	Seminars, workshops, assessment 4
4	describe the roles pharmacists have in ensuring the safe and effective provision of medicines and cognitive services	3,5,6,7,8,9	Seminars, workshops, assessments 1,2,4
5	summarise the legal and ethical frameworks within pharmacy practice	2,3,6,8	Seminars, workshops, assessments 1,4

6	summarise the basic principles of patient and medicines safety	3,5,6,7,8,9,10,11	Seminars, workshops, assessments 1,4
7	explain the general principles of laboratory safety practices	3,6,8,12	Seminars, workshops, assessment 4
8	demonstrate basic mathematical skills in pharmaceutical calculations	3,6,8	Seminars, workshops, Assessment 3

3. Strategies and approaches to learning

3.1 Learning and teaching activities

Seminars (3x1hr seminars /week)

Seminars in this course will introduce you to a number of concepts of pharmacy, as well as provide you with an insight into the range of career paths that your degree will offer you. All seminars for this course will be delivered in person and attendance is compulsory.

Weekly Tutorials (2hrs/week)

The weekly workshops in this course have been designed to complement the seminar activities and explore specific issues in-depth within the profession, as well as to help you develop fundamental skills to enable to succeed in the program and during your career. Attendance at all workshops is compulsory; attendance will be marked.

Fortnightly Workshops (2hrs/week)

The fortnightly workshops in this course have been designed to complement the weekly workshop activities and focus on developing specific academic skills to enable your success through the pharmacy program. Attendance at all workshops is compulsory; attendance will be marked.

Welcome to the Profession (Date: Thursday 30th March 5-8pm)

The "Welcome to the Profession Networking Evening" occurs during the middle of the term. You will be advised of the exact date and time during the term and attendance is compulsory. You must wear professional attire to the event. You will be formally welcomed to the profession by leaders from the pharmacy industry, and will take the Pharmacist Oath. At the conclusion of the formal proceedings, you will be provided with an opportunity to engage in a speed networking event with leading pharmacists in the field. This event will be catered, and you are required to RSVP by 4pm on the Friday of week 4 to confirm your attendance and any dietary requirements.

3.2 Expectations of students

Students are reminded that UNSW recommends that a 6 units-of-credit course should involve about 150 hours of study and learning activities. The formal learning activities total approximately 50 hours throughout the term and students are expected (and strongly recommended) to do at least the same number of hours of additional study.

Students are expected to attend all in-person workshops, seminars and tutorials for this course, as well as the "Welcome to the Profession Networking Event". If a workshop or tutorial is missed due to illness or misadventure, students are to submit a special consideration application along with supporting documentation via the special consideration portal .

On-time attendance is important for all scheduled classes and students arriving more than 10 minutes after the commencement of a workshop will be marked as absent. Students swapping a class without prior approval from the course co-ordinator will be marked as absent.

Communication and email etiquette

Good communication skills, both verbal and written, are essential attributes of health professionals. Hence, it is expected that all student communication with university staff, fieldwork supervisors, clients/patients and fellow students is polite, respectful and conducted in a professional manner. This includes telephone calls and emails. When emailing, it is important that you:

1. use your university email address
2. write in the subject line something that accurately reflects what the email will discuss in addition to the course code
3. start your email by addressing the person to whom the email is sent in an appropriate manner
4. avoid shorthand or TXT language.
5. use full sentences so that your message is not misunderstood
6. sign the email with your name, student ID, program, year group and telephone number (in the event that a longer discussion is required to answer your question/s).

By including these details, this will not only assist in a prompt response to your email, but also ensure that the email is not considered as spam.

4. Course schedule and structure

This course consists of 65 hours of class contact hours. You are expected to take an additional 75 hours of non-class contact hours to complete assessments, readings and exam preparation.

Week	Seminar Topics	Workshop and Tutorial Activities	Related CLOs
Week 1 (Week starting 13/2/23)	Introduction to course and the Pharmacy Program Australian health system Evidence based medicine	Weekly tutorial: Authentic self Fortnightly workshop: Introduction to pharmacy resources and searching medical literature	1-6
Week 2 (Week starting 20/2/23)	Origins of medicines and introduction to drug discovery History of pharmacy	Weekly tutorial: Getting your first job in pharmacy and employability 1	1,2,3
Week 3 (Week starting 27/2/23)	Introduction to pharmacy regulations and Quality Use of Medicines (QUM) Introduction to complementary therapies and regulations	Weekly tutorial: Employability 2; reflection Fortnightly workshop: Introduction to hand hygiene and safe laboratory practices	3,5,7
Week 4 (Week starting 6/3/23)	Pharmacy career mini seminars: 1. hospital care 2. primary care 3. pharmaceutical industry 4. public health 5. government, regulation 6. research	Weekly tutorial: critical evaluation of pharmaceutical information	3,4

Week 5 (Week starting 13/3/23)	Basic pharmaceutical calculations Interpretation of medication orders, prescriptions and charts	Weekly tutorial: pharmacy history presentations Fortnightly workshop: Basic pharmaceutical calculations	1,4,6,8
Week 6 (Week starting 20/3/23)	<i>Flexibility week</i>		
Week 7 (Week starting 27/3/23)	Basics of interpersonal communication and history taking skills Tackling a clinical problem from all angles: the diversity of skills of pharmacists Confidentiality, professionalism and ethics	Weekly tutorial: pharmacy workflow and communication workshop (mock pharmacy) Welcome to the Profession Event and Networking	6
Week 8 (Week starting 3/4/23)	Introduction to cultural safety Introduction to Aboriginal and Torres Strait Islander People's Health	Weekly tutorial: Public holiday	3,4,6
Week 9 (Week starting 10/4/23)	Introduction to patient safety Introduction to diverse patient groups	Weekly tutorial: Introduction to patient safety and speaking up workshop Fortnightly workshop: Basic pharmaceutical calculations and compounding activity	3,4,6
Week 10	Healthcare complaints lecture (HCCC)	Weekly tutorial: Course reflection workshop and maths quiz	2,3,4,8

(Week starting 17/4/23)	Professional indemnity lecture (PDL) Planning your degree and career in pharmacy		
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5. Assessment

5.1 Assessment tasks

Assessment task	Duration/ Length	Weighting	Mark	Due date
Assessment 1: Initial program reflection	500 words	25%	n/a	Week 2
Assessment 2: Pharmacy History Group Presentation and Report	10 mins + 1000 words	25%	n/a	Week 5
Assessment 3: Maths and Pharmaceutical Calculations Quiz	60 mins	25%	n/a	Week 10
Assessment 4: Portfolio Submission	1000 words	25%	n/a	Various

Further information

UNSW grading system: <https://student.unsw.edu.au/grades>

UNSW assessment policy: <https://student.unsw.edu.au/assessment>

5.2 Assessment criteria and standards

A1: Initial Program Reflection

Length: 500 words

Due date: Week 2 COB Friday

Task description

This assessment task has been designed to give you an opportunity to practice your reflective writing skills. Following the reflective writing workshop, you are required to write a 500 word reflection on why you decided to enrol in the UNSW Pharmacy Program and your initial goals and aspirations from completing the program. In future reflections throughout the course, you will refer to this reflective writing piece.

Individual feedback will be provided within 10 days of assessment submission via the learning management system.

A2: Pharmacy History Group Presentation and Report

Length: 10 mins presentation + 5 mins questions + 1000 word report

Due date: Week 5

Task description

In this assessment, you will be assigned to workshop groups to prepare an assigned topic related to the history of pharmacy. Each group will be required to pre-record a 10 minute presentation on their assigned topic. During a virtual presentation day, each group will be required to be present to take any questions related to their topic. An accompanying 1000 word report is to be submitted by the end of week 5. Further details can be found on the course site.

Presentation feedback will be provided at the conclusion of the workshop. Report feedback will be provided within 14 days of assessment submission via the learning management system.

A3: Maths and pharmaceutical calculations quiz

Duration: 60 mins

Due date: Week 10

Task description

This formative quiz has been designed to give you an idea of basic mathematics skills which are required to undertake pharmaceutical calculations. The content of this quiz will be based on the maths content covered in the Academic Skills unit and basic pharmaceutical calculations. Specific details of the quiz will be provided during the second workshop, and you are required to obtain a mark greater than 75% to pass. Students who do not pass this assessment will be required to undertake a remedial maths workshop and a supplementary quiz.

Individual feedback will be provided within 14 days of assessment submission via the learning management system.

A4: Professional Portfolio and Reflection

Length: Portfolio+1000 words essay

Due date: various

Task description

This assessment task has been designed to help you compile the learning activities from this course and reflections into one place for you to keep throughout the duration of the program. As part of your submission, please see the checklist on the course site of the essential items to be included in your portfolio. You will also be required to submit a reflective essay of up to 1000 words, highlighting what you have learned from the course and how this is going to shape your future career. We recommend that you utilise the DIEP format in your reflection:

1. **Describing** objectively what took place (“What did I do / see / hear / read?”)

2. **Interpreting** the events (“What was the reason I did this activity? How did I feel? Why? What might my feelings or conclusions mean? How might others have felt?”)
3. **Evaluate** the events (“What was my opinion of this experience? How was this useful / valuable? Why do I think this?”)
4. **Plan** how this might be of use (“How might this be used or applied in my future courses / program / career? How will I transfer or apply my new insights?”)

Individual feedback will be provided within 14 days of assessment submission via the learning management system.

Please Note:

All your assessments should demonstrate the following core features of strong academic writing and scholarship:

Relevance: your response clearly addresses the task and the features specified.

Analysis: your response demonstrates strong critical analysis and capacity to think deeply about the context, issues and evidence-base informing your paper.

Research: your response demonstrates critical reading and synthesis of relevant research literature drawing from academic sources beyond just the course readings.

Argument: there is a clear logical flow of ideas and your ideas and conclusions are well supported by evidence and coherent argument.

Adopting a critical approach to your assessments

It is important that you adopt a critical approach to the material that you obtain for assessments, to the required readings, and to other information with which you are presented during the course. Think about and evaluate the material which you are reading and which you are presenting in assessments. Attempt to recognise your assumptions and biases and attempt to assess the logic and consistency of the material in light of the supporting evidence. Wide reading on a topic facilitates this.

Word limits

Word limits are maximum number of words for an assessment task. The word limit for an assessment is to be strictly adhered to (i.e. there is no 10% leeway). Word limits include all text (e.g. headings, title, main text) and include figures and tables (unless otherwise noted). In-text citations (if you are using APA) and reference lists are excluded.

When submitting your assessment, **please submit as a .doc or .docx file.** Wordcounts in PDF files cannot be accurately checked, and word count penalties will apply.

Formatting requirements

Please complete your assessment tasks using a size 11 or larger sans serif font (e.g. Arial or Calibri). Where smaller fonts are required, e.g. for tables or templates, please ensure the minimum font used is size 10. With the exception of templates that are provided, all assessments must be submitted using standard margins (2.5cm) and 1.5 line spacing in the body of the text.

Referencing

Use American Psychological Association (APA) or Vancouver referencing **for all assessments for this course.**

It is your responsibility to learn either APA or Vancouver referencing and use it consistently to acknowledge sources of information (citing references). **Failure to reference correctly may limit marks to Pass (PS) or below.** Guidelines for acknowledging sources of information can be found on the following websites:

UNSW Library: <http://subjectguides.library.unsw.edu.au/elise>

SPH: sphcm.med.unsw.edu.au/current-students/student-resources

UNSW Academic Skills and Support: <https://student.unsw.edu.au/skills>

ENDNOTE: As a UNSW student, Endnote is freely available to you. If you don't already use Endnote you are recommended to download it and learn it now:

<https://www.myit.unsw.edu.au/software-students>

You can find details about Endnote training here:

<https://www.library.unsw.edu.au/research/support-for-your-research/managing-references>

5.3 Submission of assessment tasks

1. Assessments must be submitted via the Turnitin assessment drop-boxes (also known as Turnitin submission points), available in the Moodle course site, by the due date. Turnitin is a similarity detection software that enables assessments to be checked for plagiarism including improper citation or misappropriated content. Each assessment submitted to Turnitin is checked against the submitted assessments of other students as well as the internet and key resources selected by the course convenor. If you are unfamiliar with the Turnitin software, a demonstration can be found at: <https://student.unsw.edu.au/turnitin>
2. You can view the **originality report** of your submission and resubmit as often as you wish until the assessment due date. This will help you in self-reviewing and revising your submission until the due date. Please note that draft assessments submitted in this way will be regarded as the final version at the due date if you have not uploaded a subsequent, finalised version (each file uploaded overwrites the previous version). **No resubmissions will be allowed after the due date and time of the assessment without permission.**

IMPORTANT: The first three submissions generate an originality report almost **immediately**. For subsequent submissions there is a **24 hour delay** between time of submission and the originality report being available.

3. You will need to include your student ID, course code, date and assessment title in the header or footer on every page, and in the file name.
4. Only use your student ID to identify yourself in your assessment (**DO NOT INCLUDE YOUR NAME**). All assessments submitted to the Turnitin database will be used to determine whether other students in your course, and in the future, have plagiarised or inappropriately included work that is not their own. Therefore, personal details (such as your name and/or contact details which can be used to identify you) should be removed from your papers to protect your privacy.
5. Please note, the closing time for assessments is shown in Eastern Standard Time. Please factor this in when submitting assessments outside of NSW.
6. You are not required to submit a coversheet with your assessment. Instead, there is a checkbox within the Turnitin submission point that you will need to tick in order to submit your assessment. By ticking the checkbox you are confirming that the work you are submitting is entirely original.
7. After you submit your file, Turnitin will display a digital receipt in your browser window. If you can't see a receipt it means that you have not successfully submitted your file. A copy of the receipt is also sent to your e-mail address. Save the receipt and the paper ID it contains, as this is proof of a completed submission.

Late submission

UNSW has standard late submission penalties as outlined in the UNSW Assessment Implementation Procedure, with no permitted variation. All late assignments (unless extension or exemption previously agreed) will be penalised by 5% of the maximum mark per day (including Saturday, Sunday and public holidays). For example, if an assessment task is worth 30 marks, then 1.5 marks will be lost per day (5% of 30) for

each day it is late. So, if the grade earned is 24/30 and the task is two days late the student receives a grade of 24 – 3 marks = 21 marks.

Late submission is capped at 5 days (120 hours). This means that a student cannot submit an assessment more than 5 days (120 hours) after the due date for that assessment.

Special Consideration

If you experience a short-term event beyond your control (exceptional circumstances) that impacts your performance in a particular assessment task, you can apply for Special Considerations.

You must apply for Special Consideration before the start of your exam or due date for your assessment, except where your circumstances of illness or misadventure stop you from doing so.

If your circumstances stop you from applying before your exam or assessment due date, you must apply within 3 working days of the assessment, or the period covered by your supporting documentation.

More information can be found on the Special Consideration website.

UNSW has a Fit to Sit/Submit rule, which means that by sitting or submitting an assessment on the scheduled assessment date, a student is declaring that they are fit to do so and cannot later apply for Special Consideration.

5.4. Feedback on assessment

You will be provided with individualised feedback on your assignment via the learning management system. You will be marked according to the marking assessment criteria listed for that specific assessment task. The aim of any academic feedback for an assessment task is not only to grade your work. Importantly, it is also to help you to identify your strengths and weaknesses, and how you can improve and progress in your studies and professional abilities.

Students who believe the mark they've received for an assessment task doesn't reflect their performance should discuss their performance with their Course Convenor. Students should clearly outline the reasons for re-assessment in their communications. Students may also formally apply to have their results reviewed. An application, which includes a justification for the review must be submitted through The Nucleus (<https://student.unsw.edu.au/results>) within 5 days of receiving the result. A review of results may result in an increase or decrease in marks.

5.5. Grades

This course is unique in that it provides you with an opportunity to develop your skills. All assessments will be marked as either unsatisfactory, satisfactory or excellent with feedback provided about the quality of the assessment task. The overall grade for this course will be either:

SY - Satisfactory/Successful completion of a course for which a graded pass is not awarded. No mark is given so courses with this grade are not included in the calculation of your WAM. However, the units of credit are counted as successfully completed, when calculating your academic standing.

FL - Fail: Unsatisfactory performance, below the minimum expected level. This grade characterises work which shows a significant lack of understanding of the topic or its context and is therefore unsatisfactory.

6. Academic integrity, referencing and plagiarism

Referencing is a way of acknowledging the sources of information that you use to research your assignments. You need to provide a reference whenever you draw on someone else's words, ideas or research. Not referencing other people's work can constitute plagiarism.

Further information about referencing styles can be located at

<https://student.unsw.edu.au/referencing>

***Academic integrity** is fundamental to success at university. Academic integrity can be defined as a commitment to six fundamental values in academic pursuits: honesty, trust, fairness, respect, responsibility and courage.¹ At UNSW, this means that your work must be your own, and others' ideas should be appropriately acknowledged. If you don't follow these rules, plagiarism may be detected in your work.*

Further information about academic integrity and **plagiarism** can be located at:

- The Current Students site <https://student.unsw.edu.au/plagiarism>, and
- The ELISE training site <https://subjectguides.library.unsw.edu.au/elise>

The Conduct and Integrity Unit provides further resources to assist you to understand your conduct obligations as a student: <https://student.unsw.edu.au/conduct>.

7. Readings and resources

Due to the contemporary nature of this course and the evolving nature of the field of pharmacy a single primary text which adequately covers the content of this course has not been identified. Therefore, each lecturer will provide you with additional resources to supplement their lecture material. These resources will take the form of textbooks, journal articles or web-based resources. If available, links to the electronic form of these resources will be put on the course Moodle page.

8. Administrative matters

All student administrative matters are centrally managed by the Student Nucleus. Student enquiries should be submitted via student portal <https://portal.insight.unsw.edu.au/webforms/>

¹ International Center for Academic Integrity, 'The Fundamental Values of Academic Integrity', T. Fishman (ed), Clemson University, 2013.

9. Additional support for students

- The Current Students Gateway: <https://student.unsw.edu.au/>
- Academic Skills and Support: <https://student.unsw.edu.au/academic-skills>
- *Student Wellbeing and Health* <https://www.student.unsw.edu.au/wellbeing>
- UNSW IT Service Centre: <https://www.myit.unsw.edu.au/services/students>
- *UNSW Student Life Hub*: <https://student.unsw.edu.au/hub#main-content>
- *Student Support and Development*: <https://student.unsw.edu.au/support>
- *IT, eLearning and Apps*: <https://student.unsw.edu.au/elearning>
- *Student Support and Success Advisors*: <https://student.unsw.edu.au/advisors>
- *Equitable Learning Services (Formerly Disability Support Unit)*: <https://student.unsw.edu.au/els>
- *Transitioning to Online Learning* <https://www.covid19studyonline.unsw.edu.au/>
- *Guide to Online Study* <https://student.unsw.edu.au/online-study>