Unit Outline 2014
Faculty of Health

Evidence Based Medicine 1

8999
This Unit Outline must be read in conjunction with:

a) *UC Student Guide to Policies*, which sets out University-wide policies and procedures, including information on matters such as plagiarism, grade descriptors, moderation, feedback and deferred exams, and is available at *(scroll to bottom of page)*
http://www.canberra.edu.au/student-services

b) *UC Guide to Student Services*, and is available at *(scroll to bottom of page)*
http://www.canberra.edu.au/student-services

c) Any additional information specified in section 6h.

<table>
<thead>
<tr>
<th>1a</th>
<th>Unit title:</th>
<th>Evidence Based Medicine 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>1b</td>
<td>Unit number:</td>
<td>8999</td>
</tr>
<tr>
<td>1c</td>
<td>Teaching Period and year offered:</td>
<td>Winter Term 2014</td>
</tr>
<tr>
<td>1d</td>
<td>Credit point value:</td>
<td>3</td>
</tr>
<tr>
<td>1e</td>
<td>Unit level:</td>
<td>Undergraduate</td>
</tr>
<tr>
<td>1f</td>
<td>Unit Convenor:</td>
<td>Lynn Cheong</td>
</tr>
<tr>
<td></td>
<td>Room:</td>
<td>12D37</td>
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<td></td>
<td>Email:</td>
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<tr>
<td>1g</td>
<td>Administration:</td>
<td>Tanya McGill</td>
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<tr>
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<td>Room:</td>
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<td></td>
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</table>
2: Academic Content

2a Unit description and learning outcomes

This unit provides a study of health information concepts including: a systematic approach to retrieving health information; classification and evaluation of information requests; conducting a systematic literature search; and formulating and communicating a health information response to a request. This unit also develops the research knowledge and skills necessary for health professionals to apply in practice. This unit will cover study design, research ethics, and methodologies such as survey research, critical literature appraisal and evidence-based practice.

On completion of this unit, you will be able to:

1. Demonstrate the skills required to retrieve information relevant to health practice;
2. Demonstrate the skills to critically review health literature;
3. Demonstrate an understanding of research ethics and study design and methods.

2b Generic skills

This Unit addresses the generic skills and attributes of:

1. Communication
2. Analysis and inquiry
3. Problem solving
4. Working independently and with others
5. Professionalism and social responsibility

Further information on University of Canberra Generic Skills can be found at: http://www.canberra.edu.au/learning-teaching/uc-graduate-attributes

2c Prerequisites and/or co-requisites

Assumed knowledge: Year 12 mathematics

3: Delivery of Unit and Timetable

3a Delivery mode

This unit will be delivered online. All content will be made available on the unit’s Moodle site. No on-campus attendance is required.

This unit has online modules and quizzes that students are required to complete according to the schedule described in Section 3b.

This unit is in part structured to line up with the US Cochrane Centre Learning Curve steps for studying Evidence-Based Medicine (Ask, Align, Acquire, Appraise, Apply). You will see these words throughout the Unit - they are intended to provide a roadmap of the focus of each activity.

More information about the US Cochrane Centre is on the unit Moodle site and at US Cochrane Centre: Understanding Evidence-based Healthcare: A Foundation for Action at:

http://us.cochrane.org/understanding-evidence-based-healthcare-foundation-action
3b  Timetable of activities

<table>
<thead>
<tr>
<th>Week</th>
<th>Dates</th>
<th>Online Learning Activity</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10 - 15 June</td>
<td>Module 1: Introduction to evidence-based medicine <em>(Ask)</em></td>
<td>Quiz 1</td>
</tr>
<tr>
<td>2</td>
<td>16 - 22 June</td>
<td>Module 2: The medical literature <em>(Align)</em></td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>23 - 29 June</td>
<td>Module 2: The medical literature <em>(Align)</em></td>
<td>Quiz 2</td>
</tr>
<tr>
<td>4</td>
<td>30 June – 6 July</td>
<td>Module 3: Finding the evidence <em>(Acquire)</em></td>
<td>Quiz 3</td>
</tr>
<tr>
<td>5</td>
<td>7 - 13 July</td>
<td>Module 4: Basic healthcare statistics <em>(Appraise)</em></td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>14 - 20 July</td>
<td>Module 4: Basic healthcare statistics <em>(Appraise)</em></td>
<td>Quiz 4</td>
</tr>
<tr>
<td>7</td>
<td>21 - 27 July</td>
<td>Module 5: Critical appraisal <em>(Apply)</em></td>
<td>Quiz 5</td>
</tr>
<tr>
<td>8</td>
<td>28 July - 3 August</td>
<td></td>
<td>Examination Period</td>
</tr>
<tr>
<td>9</td>
<td>4 – 9 August</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The table above provides a recommended study and completion schedule for Winter Term. There are five modules that students will be required to complete and there is a quiz at the end of each module. Students must complete the quiz for each module before they can move on to the next module.

4:  Unit Resources

4a  Lists of required texts/readings

For Unit readings and resources (print materials) in the University of Canberra Library, search at: http://webpac.canberra.edu.au/screens/unitbooklist.html

For Unit readings and resources (electronic materials), the Unit eReserve page is: http://docutek.canberra.edu.au/eres/coursepage.aspx?cid=2588

Required text:
Mayer D. Essential evidence-based medicine. 2nd ed. Cambridge: Cambridge University Press; 2010. (This will be referred to as “Essential EBM”). Available at the Co-op Bookshop and in the UC Library. Call number: R723.7.M39 2010

Recommended text:
Hoffman T, Bennett S, Del Mar C, editors. Evidence-based practice across the health professions. 2nd ed. Chatswood: Churchill Livingstone; 2013. Available at the UC Library. Call number: R723.5.H64 2013
4b Materials and equipment
A computer with internet access is required for this Unit.

4c Unit website
To find your unit site online, login to LearnOnline(Moodle) using your student ID.
Note that your Unit site has a profiles page that displays your name and email address for the benefit of other students. If you prefer to hide your email address, click here for instructions.
This Unit requires that you can access the Unit website (i.e. via Moodle) at http://learnonline.canberra.edu.au/
Please also utilise the Pharmacy Subject Guide from University of Canberra Library at http://canberra.libguides.com/pharmacy and other specific websites as presented throughout the Unit.

5: Assessment

5a Assessment overview

<table>
<thead>
<tr>
<th>Assessment item</th>
<th>Due date</th>
<th>Weighting</th>
<th>Addresses learning outcomes</th>
<th>Addresses generic skills</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Quiz 1</td>
<td>27 July 2014</td>
<td>5%</td>
<td>1-3</td>
<td>1-5</td>
</tr>
<tr>
<td>2. Quiz 2</td>
<td>27 July 2014</td>
<td>5%</td>
<td>1-3</td>
<td>1-5</td>
</tr>
<tr>
<td>3. Quiz 3</td>
<td>27 July 2014</td>
<td>5%</td>
<td>1-3</td>
<td>1-5</td>
</tr>
<tr>
<td>4. Individual Assignment</td>
<td>27 July 2014</td>
<td>10%</td>
<td>1-3</td>
<td>1-5</td>
</tr>
<tr>
<td>5. Quiz 4</td>
<td>27 July 2014</td>
<td>5%</td>
<td>1-3</td>
<td>1-5</td>
</tr>
<tr>
<td>6. Discussion Forum</td>
<td>27 July 2014</td>
<td>15%</td>
<td>1-3</td>
<td>1-5</td>
</tr>
<tr>
<td>7. Quiz 5</td>
<td>27 July 2014</td>
<td>5%</td>
<td>1-3</td>
<td>1-5</td>
</tr>
<tr>
<td>8. Final Exam</td>
<td>Exam period</td>
<td>50%</td>
<td>1-3</td>
<td>1-5</td>
</tr>
</tbody>
</table>

Refer to Section 2b for information about the UC Generic Skills

Students may complete this unit at their own pace, provided that ALL modules and assessments are completed prior to the assigned due date.
5b Details of each assessment item

1. **Quizzes**
   - Value: 5% per quiz (total 25% of unit mark)
   - Due date: 27th July 2014, 11.55pm
     (After the closing time, students will not be able to start any new modules)
   - Time limit: 25 minutes per quiz

   Students will be required to complete a quiz at the end of each module. Each quiz is out of 10 marks and contributes to 5% to the final mark of this unit. Quizzes are available online via the unit’s Moodle site and students are required to completed ALL quizzes prior to the assigned due date. The quizzes are online interactive assessments covering various types of questions such as MCQ, drag and drop, and missing words.

   Each quiz is open book; there are no restrictions on approved materials while answering questions.

2. **Individual Assignment**
   - Value: 10% of unit mark
   - Due date: 27th July 2014, 11.55pm

   Students will be required to choose ONE topic from a provided list. This list will be made available on the unit’s Moodle site and each topic will be allocated on a ‘first-come, first-served’ basis. Each student will be required to construct FIVE true statements and FIVE false statements relating to their allocated topic.

   Each statement must meet the following requirements:
   - Constructed in students’ own words (no copy and paste or plagiarism)
   - A minimum of 10 words and a maximum of 30 words per statement
   - Briefly discuss the supporting reasons for each statement (maximum 3 lines each)
   - Provide at least one reference for each statement

   Please refer to the unit’s Moodle site for a detailed marking rubric. This assignment is to be submitted online via the unit’s Moodle site (Dropbox).

3. **Discussion forum**
   - Value: 15% of unit mark
   - Date: 27th July 2014, 11.55pm

   Students will be assessed on their participation in discussion forums and the quality of their posts. There will be a total of five discussion forums (one per module) and topic questions will be available. Students are required to respond to the topic question and contribute appropriately to other students’ postings. Students must participate in a minimum of THREE discussion forums. Please refer to the unit’s Moodle site for a detailed marking rubric.
4. **Final exam (MUST PASS)**
   - Value: 50% of unit mark
   - Date: Exam period
   - Time limit: 2 hours

The final exam is an online interactive assessment and it will be available via the unit’s Moodle site. It will contain various types of questions to assess your knowledge and understanding on ALL material presented in this unit.

The final exam is open book; there are no restrictions on approved materials while answering questions. **You are required to pass the final exam to pass this unit.**

5c **Submission of assessment items**
All assessment items will be submitted online via the unit Moodle site. The first page of each written assessment submission should include the following information:

- Student Name:
- Student ID:
- Assessment Name:
- Word Count (if applicable):

Any assessment item submitted **WITHOUT** the specified information on the first page will be returned to the student and not marked until this requirement is met. Late penalties will be applied (see 5d below).

5d **Special assessment requirements**
You are required to pass the following pieces of assessment to pass this Unit:

- Final Exam

Should you fail to pass this nominated assessment item, you will fail the Unit.


**Late submission of assessments**

*Late submission of assessments* without an approved extension will result in the assessment not being marked and zero being recorded for that particular assessment. **All assessments (quizzes, individual assignment, and discussion forum) will have a HARD deadline of 27 July 2014 and will close at 11:55PM on that date.**

In extenuating circumstances a late submission may be considered upon the production of supporting documentation and at the discretion of the Unit Convenor.

*Extensions:* Extensions must be applied for before the due date.
Students can apply for an extension to the due date for submission of an assessment item on the grounds of illness or other unavoidable and verifiable personal circumstances. Documentary evidence will be expected in order that an extension be granted.

It should be noted that such documentation will be considered but will not guarantee that the application will be successful. The Unit Convenor will decide whether to grant an extension and the length of the extension.

Students should note that this policy does not apply to deferred exams which are centrally administered by the examinations office.

5e Supplementary assessment
Refer to the UC Supplementary Assessment Policy

5f Academic Integrity
Students have a responsibility to uphold University standards on ethical scholarship. Good scholarship involves building on the work of others and use of others’ work must be acknowledged with proper attribution made. Cheating, plagiarism, and falsification of data are dishonest practices that contravene academic values. Please see UC’s Academic Integrity Policy.

To enhance understanding of academic integrity, it is expected that all students will complete the LearnOnline Academic Integrity Module (AIM) at least once during their course of study. The module is automatically available as a listed site when students log into LearnOnline.

Pharmacy students are required to complete the AIM Quiz using the link on the Pharmacy Students Moodle website to ensure results are collated for the Discipline. If students cannot access this website and AIM Quiz please inform the Unit Convenor.

Pharmacy students are expected to complete the AIM Quiz in the first two (2) weeks of their course and no submitted assessment pieces will be marked until the Quiz has been completed.

5g Use of text-matching software
The University of Canberra has available, through LearnOnline (Moodle), text-matching software that helps students and staff reduce plagiarism and improve understandings of academic integrity. Known as URKUND, the software matches submitted text in student assignments against material from various sources: the internet, published books and journals, and previously submitted student texts. Click here for further information on the URKUND text-matching software.

6: Student Responsibility

6a Workload
The amount of time you will need to spend on study in this unit will depend on a number of factors including your prior knowledge, learning skill level and learning style. Nevertheless, in planning your time commitments you should note that for a 3cp unit the total notional workload over the semester or term is assumed to be 150 hours. These hours include time spent in classes. The total workload for units of different credit point value should vary proportionally. For example, for a 6cp unit the total notional workload over a semester or term is assumed to be 300 hours.
6b  Accessibility unit

Students who need assistance in undertaking the unit because of disability or other circumstances should inform their Unit Convenor or UC AccessAbility as soon as possible so the necessary arrangements can be made.

6c  Participation requirements

This is a fully online unit with no participation requirements on campus. Students are advised that Winter Term can progress quickly and a regular workload is recommended to complete the Unit requirements.

A recommended study and completion schedule is provided in section 3b of the Unit Outline.

6d  Withdrawal

If you are planning to withdraw please discuss with your unit convenor. Please see Withdrawal of Units for further information on deadlines.

6e  Required IT skills

Students should be conversant with searching for and accessing information via electronic means; the use of Moodle; and word processing, spreadsheet and presentation software.

6f  In-Unit Costs

The following costs are expected for this unit:

- Self-printing of electronically provided material;
- Costs for computer and internet access are required outside the UC campus

(Note: To calculate your unit fees see: How do I calculate my fees?.

The online UC Co-op Textbook Search is available for purchasing text books.)

6g  Work placements, internships or practicums

This Unit does NOT contain any Work Integrated Learning (WIL) activities (clinical placements and externships).

Health Learning Resource Centre

The Health Learning Resource Centre (HLRC) is located in 12C26. It is a facility designed to enhance the learning and university experience for health students with particular emphasis on students in their first year. A drop-in service of students helping students is also available. Visit the HLRC coordinator for more details.
7:  **Student Feedback**

All students enrolled in this unit will have an opportunity to provide anonymous feedback on the unit at the end of the Semester via the Unit Satisfaction Survey (USS) which you can access by logging into MyUC via the UC homepage: [http://www.canberra.edu.au/home/](http://www.canberra.edu.au/home/). Your lecturer or tutor may also invite you to provide more detailed feedback on their teaching through an anonymous questionnaire.

This is a new Unit. Additional feedback will be invited throughout the semester.

8:  **Authority of this Unit Outline**

Any change to the information contained in Section 2 (Academic content), and Section 5 (Assessment) of this document, will only be made by the Unit Convenor if the written agreement of Head of Discipline and a majority of students has been obtained; and if written advice of the change is then provided on the unit site in the learning management system. If this is not possible, written advice of the change must be then forwarded to each student enrolled in the unit at their registered term address. Any individual student who believes him/herself to be disadvantaged by a change is encouraged to discuss the matter with the Unit Convenor.