



# MEDI832

## Evidence Based Practice

SM2 Day 2015

*School of Advanced Medicine*

### Contents

|                                      |    |
|--------------------------------------|----|
| <u>General Information</u>           | 2  |
| <u>Learning Outcomes</u>             | 2  |
| <u>Assessment Tasks</u>              | 3  |
| <u>Delivery and Resources</u>        | 4  |
| <u>Unit Schedule</u>                 | 5  |
| <u>Policies and Procedures</u>       | 5  |
| <u>Graduate Capabilities</u>         | 7  |
| <u>Changes since First Published</u> | 11 |

#### **Disclaimer**

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

## General Information

Unit convenor and teaching staff

Unit Convenor

Mary Simons

[mary.simons@mq.edu.au](mailto:mary.simons@mq.edu.au)

Contact via [mary.simons@mq.edu.au](mailto:mary.simons@mq.edu.au)

University Library (by appointment)

Andrew Davidson

[andrew.davidson@mq.edu.au](mailto:andrew.davidson@mq.edu.au)

Contact via [andrew.davidson@mq.edu.au](mailto:andrew.davidson@mq.edu.au)

Credit points

4

Prerequisites

Admission to DAdvSurg or DAdvMed or MAdvSurg or MAdvMed or MSurg or MMed or DClinPrac or MMedPrac or DMedSc or GDSpecSug or GDSpecMed

Corequisites

Co-badged status

Unit description

Students completing this unit will demonstrate competence in using the principles of evidence-based practice to improve clinical decision-making and promote lifelong learning. They will develop skills in literature searching, critical appraisal and scholarly writing to enhance their clinical and academic careers.

## Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

## Learning Outcomes

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

Apply the principles of evidence-based medicine to clinical practice and use individual and journal metrics to measure academic output.

Demonstrate skill in critically appraising the methodology of published studies

Perform a competent literature search using advanced search strategies

Assess and report the overall quality of literature search results using standardized

assessment tools

Use academic writing skills to write a literature review or systematic review suitable for publication in a peer reviewed journal

Demonstrate skills in using EndNote, Word and other formatting tools to create suitable structure and style for the review.

## Assessment Tasks

| Name                              | Weighting | Due      |
|-----------------------------------|-----------|----------|
| <u>Critically appraised study</u> | 20%       | 23/02/15 |
| <u>PowerPoint presentation</u>    | 30%       | 29/03/15 |
| <u>Literature review</u>          | 50%       | 10/05/15 |

### Critically appraised study

Due: **23/02/15**

Weighting: **20%**

Presentation of critically appraised study and written summary.

On successful completion you will be able to:

- Apply the principles of evidence-based medicine to clinical practice and use individual and journal metrics to measure academic output.
- Demonstrate skill in critically appraising the methodology of published studies
- Perform a competent literature search using advanced search strategies
- Assess and report the overall quality of literature search results using standardized assessment tools

### PowerPoint presentation

Due: **29/03/15**

Weighting: **30%**

Present and submit search strategies used to perform a literature search of a clinical research question

On successful completion you will be able to:

- Apply the principles of evidence-based medicine to clinical practice and use individual and journal metrics to measure academic output.

- Demonstrate skill in critically appraising the methodology of published studies
- Perform a competent literature search using advanced search strategies
- Assess and report the overall quality of literature search results using standardized assessment tools

## Literature review

Due: **10/05/15**

Weighting: **50%**

Prepare and submit a literature review suitable for publication (2,000 word limit)

On successful completion you will be able to:

- Apply the principles of evidence-based medicine to clinical practice and use individual and journal metrics to measure academic output.
- Demonstrate skill in critically appraising the methodology of published studies
- Perform a competent literature search using advanced search strategies
- Assess and report the overall quality of literature search results using standardized assessment tools
- Use academic writing skills to write a literature review or systematic review suitable for publication in a peer reviewed journal
- Demonstrate skills in using EndNote, Word and other formatting tools to create suitable structure and style for the review.

## Delivery and Resources

Technologies used and required:

This Unit has an online presence in iLearn. You will need access to broadband and a computer, as well as the ability to participate in online forums and communicate by email. Students unable to attend the meetings in person will need to participate by Webex. 80% tutorial attendance rate is obligatory. If you are unable to attend a meeting, please contact a unit convenor beforehand.

Seminars will all be held:

**Time:** 8.00am to 10.00am (except tutorial 1)

**Place:** ASAM Board Room (Executive Area, Ground Floor, F10A)

| Tutorial | Week | Date                      |
|----------|------|---------------------------|
| 1        | 1    | 02/02/15 (time 7am – 9am) |
| 2        | 2    | 09/02/15                  |

|   |    |          |
|---|----|----------|
| 3 | 4  | 23/02/15 |
| 4 | 6  | 09/03/15 |
| 5 | 8  | 23/03/15 |
| 6 | 9  | 30/03/15 |
| 7 | 12 | 20/04/15 |
| 8 | 14 | 04/05/15 |

Required and recommended readings:

Required and recommended readings are noted each week in iLearn. Some readings will be accessed through [e-Reserve](#) via the Unit code MEDI832. There is also an extensive list of suggested resources in the [Library Libguide](#) for this subject. The Library provides hard copies of some recommended texts (in [Reserve](#) and in the general collection) as well as e-books and other online resources. Books, book chapters and journal articles not held by the Library can be requested through the [Library Document Supply Service](#), a free service for postgraduate students and academic staff.

Assessments include presentations to be made to the group, as well as written submissions. Written work is submitted online through the iLearn platform.

## Unit Schedule

## Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](#). Students should be aware of the following policies in particular with regard to Learning and Teaching:

Academic Honesty Policy [http://mq.edu.au/policy/docs/academic\\_honesty/policy.html](http://mq.edu.au/policy/docs/academic_honesty/policy.html)

Assessment Policy <http://mq.edu.au/policy/docs/assessment/policy.html>

Grading Policy <http://mq.edu.au/policy/docs/grading/policy.html>

Grade Appeal Policy <http://mq.edu.au/policy/docs/gradeappeal/policy.html>

Grievance Management Policy [http://mq.edu.au/policy/docs/grievance\\_management/policy.html](http://mq.edu.au/policy/docs/grievance_management/policy.html)

Disruption to Studies Policy [http://www.mq.edu.au/policy/docs/disruption\\_studies/policy.html](http://www.mq.edu.au/policy/docs/disruption_studies/policy.html) *The Disruption to Studies Policy is effective from March 3 2014 and replaces the Special Consideration Policy.*

In addition, a number of other policies can be found in the [Learning and Teaching Category](#) of Policy Central.

## Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: [https://students.mq.edu.au/support/student\\_conduct/](https://students.mq.edu.au/support/student_conduct/)

## Results

Results shown in *iLearn*, or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit [ask.mq.edu.au](#).

Internal ASAM Procedures:

### Code of conduct

Students enrolled in ASAM programs who are also working or observing in Macquarie University Hospital are subject to the Hospital's Code of Conduct.

### Attendance requirements

Students are required to attend a minimum of 80% of classes. Those unable to attend the classes in person will need to participate by Webex, unless special consideration is granted by the unit convenor. If a student/scholar does not attend a minimum of 80% of classes, he/she may not be able to pass the unit.

### Penalties for late submissions

Late submissions will be penalised unless special consideration is granted by the unit convenor. The penalty is 10% per week or part thereof.

You must complete all assessment tasks to pass the unit.

## Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

## Learning Skills

Learning Skills ([mq.edu.au/learningskills](http://mq.edu.au/learningskills)) provides academic writing resources and study strategies to improve your marks and take control of your study.

- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module for Students](#)
- [Ask a Learning Adviser](#)

## Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

## Student Enquiries

For all student enquiries, visit Student Connect at [ask.mq.edu.au](http://ask.mq.edu.au)

## IT Help

For help with University computer systems and technology, visit <http://informatics.mq.edu.au/help/>.

When using the University's IT, you must adhere to the [Acceptable Use Policy](#). The policy applies to all who connect to the MQ network including students.

## Graduate Capabilities

### PG - Capable of Professional and Personal Judgment and Initiative

Our postgraduates will demonstrate a high standard of discernment and common sense in their professional and personal judgment. They will have the ability to make informed choices and decisions that reflect both the nature of their professional work and their personal perspectives.

This graduate capability is supported by:

#### Learning outcomes

- Apply the principles of evidence-based medicine to clinical practice and use individual and journal metrics to measure academic output.
- Demonstrate skill in critically appraising the methodology of published studies
- Perform a competent literature search using advanced search strategies
- Assess and report the overall quality of literature search results using standardized assessment tools
- Use academic writing skills to write a literature review or systematic review suitable for publication in a peer reviewed journal

#### Assessment tasks

- Critically appraised study
- PowerPoint presentation
- Literature review

### PG - Discipline Knowledge and Skills

Our postgraduates will be able to demonstrate a significantly enhanced depth and breadth of knowledge, scholarly understanding, and specific subject content knowledge in their chosen fields.

This graduate capability is supported by:

## Learning outcomes

- Apply the principles of evidence-based medicine to clinical practice and use individual and journal metrics to measure academic output.
- Demonstrate skill in critically appraising the methodology of published studies
- Perform a competent literature search using advanced search strategies
- Assess and report the overall quality of literature search results using standardized assessment tools
- Use academic writing skills to write a literature review or systematic review suitable for publication in a peer reviewed journal
- Demonstrate skills in using EndNote, Word and other formatting tools to create suitable structure and style for the review.

## Assessment tasks

- Critically appraised study
- PowerPoint presentation
- Literature review

## PG - Critical, Analytical and Integrative Thinking

Our postgraduates will be capable of utilising and reflecting on prior knowledge and experience, of applying higher level critical thinking skills, and of integrating and synthesising learning and knowledge from a range of sources and environments. A characteristic of this form of thinking is the generation of new, professionally oriented knowledge through personal or group-based critique of practice and theory.

This graduate capability is supported by:

## Learning outcomes

- Apply the principles of evidence-based medicine to clinical practice and use individual and journal metrics to measure academic output.
- Demonstrate skill in critically appraising the methodology of published studies
- Perform a competent literature search using advanced search strategies
- Assess and report the overall quality of literature search results using standardized assessment tools
- Use academic writing skills to write a literature review or systematic review suitable for publication in a peer reviewed journal
- Demonstrate skills in using EndNote, Word and other formatting tools to create suitable structure and style for the review.



## Assessment tasks

- Critically appraised study
- PowerPoint presentation
- Literature review

## PG - Research and Problem Solving Capability

Our postgraduates will be capable of systematic enquiry; able to use research skills to create new knowledge that can be applied to real world issues, or contribute to a field of study or practice to enhance society. They will be capable of creative questioning, problem finding and problem solving.

This graduate capability is supported by:

### Learning outcomes

- Apply the principles of evidence-based medicine to clinical practice and use individual and journal metrics to measure academic output.
- Demonstrate skill in critically appraising the methodology of published studies
- Perform a competent literature search using advanced search strategies
- Assess and report the overall quality of literature search results using standardized assessment tools
- Use academic writing skills to write a literature review or systematic review suitable for publication in a peer reviewed journal
- Demonstrate skills in using EndNote, Word and other formatting tools to create suitable structure and style for the review.

## Assessment tasks

- Critically appraised study
- PowerPoint presentation
- Literature review

## PG - Effective Communication

Our postgraduates will be able to communicate effectively and convey their views to different social, cultural, and professional audiences. They will be able to use a variety of technologically supported media to communicate with empathy using a range of written, spoken or visual formats.

This graduate capability is supported by:

### Learning outcomes

- Apply the principles of evidence-based medicine to clinical practice and use individual

and journal metrics to measure academic output.

- Demonstrate skill in critically appraising the methodology of published studies
- Perform a competent literature search using advanced search strategies
- Assess and report the overall quality of literature search results using standardized assessment tools
- Use academic writing skills to write a literature review or systematic review suitable for publication in a peer reviewed journal
- Demonstrate skills in using EndNote, Word and other formatting tools to create suitable structure and style for the review.

## **Assessment tasks**

- Critically appraised study
- PowerPoint presentation
- Literature review

## **PG - Engaged and Responsible, Active and Ethical Citizens**

Our postgraduates will be ethically aware and capable of confident transformative action in relation to their professional responsibilities and the wider community. They will have a sense of connectedness with others and country and have a sense of mutual obligation. They will be able to appreciate the impact of their professional roles for social justice and inclusion related to national and global issues

This graduate capability is supported by:

## **Learning outcomes**

- Apply the principles of evidence-based medicine to clinical practice and use individual and journal metrics to measure academic output.
- Assess and report the overall quality of literature search results using standardized assessment tools
- Use academic writing skills to write a literature review or systematic review suitable for publication in a peer reviewed journal

## **Assessment tasks**

- Critically appraised study
- PowerPoint presentation
- Literature review

## Changes since First Published

| Date       | Description                    |
|------------|--------------------------------|
| 28/01/2015 | Changes made to tutorial dates |