



MEDI832

Evidence Based Practice

SM9 Block 2017

Medicine and Health Sciences Faculty level units

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General Information

Unit convenor and teaching staff

Unit Convenor

Mary Simons

mary.simons@mq.edu.au

Contact via mary.simons@mq.edu.au

University Library (by appointment)

Andrew Davidson

andrew.davidson@mq.edu.au

Contact via andrew.davidson@mq.edu.au

Credit points

4

Prerequisites

Admission to DAdvSurg or DAdvMed or MASurg or MAMed or MSurg or MMed or MMedPrac or GradDipSpSurg or GradDipSpMed

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.

Analyse the ways in which EBP has changed clinical decision-making.

Assessment Tasks

Name	Weighting	Hurdle	Due
Oral Presentation	40%	No	09/10/17
Literature review	50%	No	01/12/17
Reflection	10%	No	08/12/17

Oral Presentation

Due: **09/10/17**

Weighting: **40%**

Presentation of literature search and critically appraised study. Submission of 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

Literature review

Due: **01/12/17**

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.

Reflection

Due: **08/12/17**

Weighting: **10%**

Analyze the ways in which EBP has changed your clinical practice.

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.
- Analyse the ways in which EBP has changed clinical decision-making.

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 via Webex or Skype. If you are unable to attend a meeting, please contact a unit convenor beforehand.

Seminars will all be held:

Time: 10am to 12 noon on Mondays. Refer to schedule for dates.

Place: TBA

Required and recommended readings:

Required and recommended readings are noted each week in iLearn. These are available from the Library and through links in iLearn.

Unit Schedule

Session	Topic	Date
Pre-commencement	Complete enrolment, pre-reading & quiz ACE test (formative)	
Session 1	Why EBM? Basic concepts Asking clinical questions	11/9/17
Session 1	Acquiring the evidence: PubMed, Ovid Medline, Scopus, EMBASE, Google Scholar	11/9/17
Session 2	Appraising the evidence	18/9/17
Session 3	Appraising the evidence – practice exercise	25/9/17
Seminar	Journal club presentations – Assessment Task 1	09/10/17
Session 4	Publication metrics SR & meta-analysis POC tools / summaries of evidence	16/10/17
Session 5	Applying the evidence; Clinical decision-making Clinical guidelines GRADE	30/10/17
Session 6	Literature reviews Academic writing	6/11/17
Session 7 (optional)	Academic writing – practical exercise	13/11/17
Written submission	Literature review – Assessment Task 2	1/12/17
Completion	Assessment Task 3 / Feedback activity ACE Test (summative), Reflective writing (feedback)	8/12/17

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

Assessment Policy http://mq.edu.au/policy/docs/assessment/policy_2016.html

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

Complaint Management Procedure for Students and Members of the Public http://www.mq.edu.au/policy/docs/complaint_management/procedure.html

Disruption to Studies Policy (in effect until Dec 4th, 2017): http://www.mq.edu.au/policy/docs/disruption_studies/policy.html

Special Consideration Policy (in effect from Dec 4th, 2017): <https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/special-consideration>

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/

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.

Faculty of Medicine & Health Sciences Procedures:

Code of conduct

Students enrolled in 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) 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

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources 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
- Analyse the ways in which EBP has changed clinical decision-making.

Assessment task

- Reflection

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.
- Analyse the ways in which EBP has changed clinical decision-making.

Assessment tasks

- Oral Presentation
- Literature review
- Reflection

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
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- Analyse the ways in which EBP has changed clinical decision-making.

Assessment tasks

- Oral Presentation
- Literature review
- Reflection

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.

- Analyse the ways in which EBP has changed clinical decision-making.

Assessment tasks

- Oral Presentation
- Literature review
- Reflection

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
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- Analyse the ways in which EBP has changed clinical decision-making.

Assessment tasks

- Oral Presentation
- Literature review
- Reflection

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.
- Analyse the ways in which EBP has changed clinical decision-making.

Assessment task

- Reflection

Changes from Previous Offering

NA