

CLINIMAG 708

MAMMOGRAPHIC CLINICAL PRACTICE

15 points
Semester 2, 2018

Course Description

Addresses normal and abnormal mammographic imaging appearances, technique evaluation and adaptation, and includes reflection on clinical practice relating to mammography. The course will ensure students develop the knowledge, competencies, skills and attitudes needed to demonstrate mastery in academic and professional mammographic practice.

Objectives of the Course

This course aims to cultivate a critically questioning approach to mammographic imaging practice and enables the student to provide evidence of their clinical competence while emphasising the importance of synthesising theory and clinical practice elements. The course will expect students to assimilate the underlying physical principles of mammography with relevant biological processes and imaging. Students will evaluate their own clinical practice specifically relating to technique, patient management and image optimisation to ensure diagnostic accuracy. In particular, this course will promote higher level professional and reflective skills in the student.

Learning Outcomes

1. Differentiate and explain normal and abnormal appearances on mammographic images.
2. Make informed clinical judgements with regard to the selection of imaging protocols and technical parameters.
3. Assess current clinical protocols and evaluate appropriate positioning techniques for breast imaging, suggesting and justifying possible modifications.
4. Critically evaluate a range of both standard and advanced mammographic techniques to investigate specific indications and pathologies of the breast.
5. Apply an evidence-based approach to clinical decision-making and problem solving.
6. Demonstrate clinical competence in performing a range of mammographic examinations.

Teaching Staff



Rhonda-Joy Sweeney
Course Coordinator
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Programme and Course Advice

Prerequisite: MEDIMAGE 707

This course is a compulsory course within the PGCertHSc(Mammography) programme. Only students enrolled in this programme are eligible for this course.

The course also has specific clinical eligibility criteria therefore students are required to apply for departmental approval by submitting a concession request when enrolling in this course.

Course Delivery

This course is delivered fully online by distance via the University of Auckland's learning management system 'Canvas'. It will incorporate a range of learning approaches including videos, webpages, links to the library databases and resources, and utilising online technologies to promote shared learning opportunities.

Students are urged to discuss privately any impairment-related requirements face-to-face and/or in written form with the Course Coordinator.

Workload and contact hours

The total expected workload for this course is approximately **150 hours**. This may be broken down as follows:

- Set readings relevant to mammographic clinical practice (30 hours)
- Other resources provided on Canvas e.g. videos, websites (10 hours)
- Assessments and self-directed learning (110 hours)

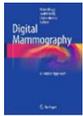
Communication

All official communication to a student will be sent to the student's current University email address (username@aucklanduni.ac.nz) and the student is responsible for ensuring that any desired forwarding to other addresses is in place and operating correctly. Staff will not be responsible for any consequences if students fail to read and respond to University correspondence in a timely manner.

Students are encouraged to use the course discussion forum as much as possible for communication with staff and other students. Email may be used for more private matters. Staff will endeavour to respond to email queries as soon as possible.

Course Textbooks

The **required textbook** for this course is:



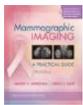
Digital Mammography: A Holistic Approach

Hogg, P., Kelly, J., & Mercer, C.

Dordrecht: Springer c2015

This book is available online from the Philson Library or may be purchased as hardcopy.

The following textbook is **highly recommended** for this course and it is available in hardcopy from the Philson Library or may be purchased:



Mammographic imaging – a practical guide (3rd ed.)

Valerie Andolina and Shelly Lillé

Philadelphia: Wolters Kluwer/Lippincott Williams & Wilkins Health c2011

In addition, a large selection of other readings and resources will be able to be accessed online via the course website and the Philson Library databases.

Assessment

An aggregated mark of 50% or more is required to successfully pass this course. Resubmission of failed assessments is not permitted with the exception of Student Self-Evaluative (SSE) clinical progress reports within the ePortfolio.

Penalties for excessive word count and/or late submission (without prior written approval for an extension) will be applied in accordance with the 'Medical Imaging Assessment Requirements and Presentation Criteria' document.

The following is indicative of the type of assessments to be completed for this course:

- Case-Based Discussion 50%
- Clinical Reflective Essay 40%
- MCQ and Image Evaluation Test 10%
- ePortfolio Pass/fail
 - Log of minimum number and range of clinical examinations and hours
 - Longitudinal Evaluations of Performance (LEP)
 - Multi-source Feedback (MSF)
 - Progress Reports (SSE and QPR)

Assessment of clinical competence is embedded in this course. Failure to submit or successfully pass any of the clinical ePortfolio components will result in a failing grade for the course. Poor clinical performance cannot be offset by excellent academic results. Please refer to clinical course documentation for further details.

Academic Integrity

The University of Auckland will not tolerate cheating, or assisting others to cheat, and views cheating in coursework as a serious academic offence. The work that a student submits for grading must be the student's own work, reflecting his or her learning. Where work from other sources is used, it must be properly acknowledged and referenced. This requirement also applies to sources on the world-wide web. All students' assessed work will be reviewed against electronic source material using computerised detection mechanisms.

Student Feedback

Assessments will be marked, moderated and returned within 3 weeks of submission, with the possible exception of the last course assessment which will be returned after the Board of Examiners meeting. Feedback will be provided on all assessments in the form of a marking rubric and/or individual or class comments. This feedback will be accessed via email or Canvas as identified by the Course Coordinator. Near the end of this course, feedback from students may be requested in the form of an online course evaluation survey.

Disclaimer

Although every reasonable effort is made to ensure accuracy, the information in this document is provided as a general guide only for students and is subject to alteration.

