



# CHIR8402

## Diagnostic Imaging 2

Session 2, Weekday attendance, North Ryde 2021

*Department of Chiropractic*

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#### **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.

#### **Session 2 Learning and Teaching Update**

The decision has been made to conduct study online for the remainder of Session 2 for all units WITHOUT mandatory on-campus learning activities. Exams for Session 2 will also be online where possible to do so.

This is due to the extension of the lockdown orders and to provide certainty around arrangements for the remainder of Session 2. We hope to return to campus beyond Session 2 as soon as it is safe and appropriate to do so.

Some classes/teaching activities cannot be moved online and must be taught on campus. You should already know if you are in one of these classes/teaching activities and your unit convenor will provide you with more information via iLearn. If you want to confirm, see the list of [units with mandatory on-campus classes/teaching activities](#).

Visit the [MQ COVID-19 information page](#) for more detail.

## General Information

Unit convenor and teaching staff

Unit Convenor

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Credit points 10
Prerequisites CHIR8401 or CHIR916
Corequisites
Co-badged status
Unit description This unit builds on the principles and concepts developed in CHIR8401. It further develops radiographic interpretation with a focus on the appropriate use of imaging in clinical practice. Increasing complexity of radiographic positioning of the spine and extremities is taught, with particular reference to clinical application. This unit forms part of a suite of units in radiographic science that leads to eligibility for licensure to own and operate x-ray equipment.

## Important Academic Dates

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

## Learning Outcomes

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

**ULO1:** Synthesise radiographic and advanced imaging findings to aid diagnosis and inform patient management within chiropractic clinical practice.

**ULO2:** Execute a thorough assessment of the radiographic image and differentiate and describe abnormal radiographic appearances.

**ULO3:** Discuss indications for the appropriate use of imaging in chiropractic practice and critique ethical considerations related to imaging use

**ULO4:** Construct narrative radiographic reports as appropriate for use in clinical chiropractic practice.

**ULO5:** Implement and explain principles of radiography as applicable to chiropractic practice.

**ULO6:** Demonstrate the ability to modify radiographic technique appropriately for different clinical presentations.

## General Assessment Information

### TUTORIALS

Students are strongly encouraged to attend and actively participate in all tutorials in this unit.

Tutorials have been designed to align with learning outcomes and assessment tasks within this unit.

## **QUIZZES**

Quizzes will be available through ilearn unless otherwise indicated.

It is expected that the academic integrity policy (<https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/academic-integrity>) be followed at all times. Breaches of the academic integrity policy may result in disciplinary procedures for the involved student.

All quizzes should be attempted. Quizzes will open each week on Wednesday at 10am and close the following Tuesday at 2pm (first quiz due week 2). Quizzes will not be reopened after they are closed for any reason. If submission is affected by technical difficulties, you can send your answers to the unit convener ([hazel.jenkins@mq.edu.au](mailto:hazel.jenkins@mq.edu.au)) PRIOR to the closing time of the quiz for manual grading.

## **SLIDE EXAMS**

The slide exams will be conducted in either a written or online format. Further details will be released during the semester.

If a slide exam is missed a supplementary exam will only be considered under the Special Consideration policy (<https://students.mq.edu.au/study/my-study-program/special-consideration>), applied for through [www.ask.mq.edu.au](http://www.ask.mq.edu.au) within 5 days of the assessment.

Attendance at a slide exam declares that you are fit to sit the exam. Re-sitting of slide exams is not normally approved and will only be considered under the Special Consideration policy (<https://students.mq.edu.au/study/my-study-program/special-consideration>), applied for through [www.ask.mq.edu.au](http://www.ask.mq.edu.au) within 5 days of the assessment. If a re-sit occurs, either a VIVA (oral) or written format may be used.

## **COMPETENCY ASSESSMENTS**

The competency assessments are a hurdle requirement. You must demonstrate competency in all competency assessments to pass the unit. If competency is not demonstrated (but a significant attempt is made) then one further opportunity to demonstrate competency will be given at the end of semester.

If a competency assessment is missed a supplementary exam will only be considered under the Special Consideration policy (<https://students.mq.edu.au/study/my-study-program/special-consideration>), applied for through [www.ask.mq.edu.au](http://www.ask.mq.edu.au) within 5 days of the assessment.

Attendance at a competency declares that you are fit to sit the assessment. Re-sitting of competencies is not normally approved and will only be considered under the Special Consideration policy (<https://students.mq.edu.au/study/my-study-program/special-consideration>), applied for through [www.ask.mq.edu.au](http://www.ask.mq.edu.au) within 5 days of the assessment.

## **THEORY EXAMINATIONS**

The University Examination period for Semester 2, 2021 is from November 8th to November

26th 2021.

The theory exam will be conducted in either a written or online format. Further details will be released during the semester.

You are expected to present yourself for examination at the time and place designated in the University Examination Timetable. The timetable will be available in Draft form approximately eight weeks before the commencement of the examinations and in Final form approximately four weeks before the commencement of the examinations.

You are advised that it is Macquarie University policy not to set early examinations for individuals or groups of students. You are expected to ensure that you are available until the end of the teaching semester that is the final day of the official examination period.

The only exception to not sitting an examination at the designated time is because of documented illness or unavoidable disruption. In these circumstances you may wish to consider applying for Special Consideration. Information about unavoidable disruption and the Special Consideration process is available at <https://students.mq.edu.au/study/my-study-program/special-consideration>, applied for through [www.ask.mq.edu.au](http://www.ask.mq.edu.au) within 5 days of the disruption

If you receive [special consideration](#) for the final exam, a supplementary exam will be scheduled in the interval between the regular exam period and the start of the next session. By making a special consideration application for the final exam you are declaring yourself available for a resit during the supplementary examination period and will not be eligible for a second special consideration approval based on pre-existing commitments. Please ensure you are familiar with the [policy](#) prior to submitting an application. You can check the supplementary exam information page on FSE101 in iLearn ([bit.ly/FSESupp](http://bit.ly/FSESupp)) for dates, and approved applicants will receive an individual notification one week prior to the exam with the exact date and time of their supplementary examination. If you are approved for Special Consideration and granted a supplementary exam, only your supplementary exam result will be counted towards your final grade.

If you attend and complete an examination you are declaring that you are fit to sit that assessment and Special Consideration will not normally be granted.

Students with a pre-existing disability/health condition or prolonged adverse circumstances may be eligible for ongoing assistance and support. Such support is governed by other policies and may be sought and coordinated through Wellbeing services <https://students.mq.edu.au/support/wellbeing>.

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#">Radiographic positioning competency assessment</a>	0%	Yes	In tutorial, weeks 4, 8, and 13
<a href="#">Final theory exam</a>	50%	No	Examination period

Name	Weighting	Hurdle	Due
<a href="#">Weekly quizzes</a>	20%	No	Weekly, due Tuesday 2pm starting week 2
<a href="#">Slide exam 1</a>	15%	No	Week 6, 8-10am Friday 3rd September
<a href="#">Slide exam 2</a>	15%	No	Week 12, 8-10am Friday 29 October

## Radiographic positioning competency assessment

Assessment Type <sup>1</sup>: Clinical performance evaluation

Indicative Time on Task <sup>2</sup>: 6 hours

Due: **In tutorial, weeks 4, 8, and 13**

Weighting: **0%**

**This is a hurdle assessment task (see [assessment policy](#) for more information on hurdle assessment tasks)**

Radiographic Positioning Competency Based Assessments performed during tutorial time. You must be marked as competent in all competencies to pass the unit. These competencies form part of your radiographic portfolio that will be continued in clinic.

On successful completion you will be able to:

- Implement and explain principles of radiography as applicable to chiropractic practice.
- Demonstrate the ability to modify radiographic technique appropriately for different clinical presentations.

## Final theory exam

Assessment Type <sup>1</sup>: Examination

Indicative Time on Task <sup>2</sup>: 17 hours

Due: **Examination period**

Weighting: **50%**

Radiographic interpretation and positioning theory exam

On successful completion you will be able to:

- Synthesise radiographic and advanced imaging findings to aid diagnosis and inform patient management within chiropractic clinical practice.
- Execute a thorough assessment of the radiographic image and differentiate and describe abnormal radiographic appearances.
- Discuss indications for the appropriate use of imaging in chiropractic practice and critique ethical considerations related to imaging use
- Construct narrative radiographic reports as appropriate for use in clinical chiropractic practice.
- Implement and explain principles of radiography as applicable to chiropractic practice.
- Demonstrate the ability to modify radiographic technique appropriately for different clinical presentations.

## Weekly quizzes

Assessment Type <sup>1</sup>: Quiz/Test

Indicative Time on Task <sup>2</sup>: 5 hours

Due: **Weekly, due Tuesday 2pm starting week 2**

Weighting: **20%**

On-line quizzes to be performed weekly. These will be available on ilearn. Quizzes may include multiple choice and short answer questions. All quizzes should be attempted.

On successful completion you will be able to:

- Synthesise radiographic and advanced imaging findings to aid diagnosis and inform patient management within chiropractic clinical practice.
- Execute a thorough assessment of the radiographic image and differentiate and describe abnormal radiographic appearances.
- Construct narrative radiographic reports as appropriate for use in clinical chiropractic practice.
- Implement and explain principles of radiography as applicable to chiropractic practice.

## Slide exam 1

Assessment Type <sup>1</sup>: Quiz/Test

Indicative Time on Task <sup>2</sup>: 6 hours

Due: **Week 6, 8-10am Friday 3rd September**

Weighting: **15%**



Radiographic Interpretation Slide Exam 1. All previous material from CHIR8401 is assumed knowledge.

On successful completion you will be able to:

- Synthesise radiographic and advanced imaging findings to aid diagnosis and inform patient management within chiropractic clinical practice.
- Execute a thorough assessment of the radiographic image and differentiate and describe abnormal radiographic appearances.

## Slide exam 2

Assessment Type <sup>1</sup>: Quiz/Test

Indicative Time on Task <sup>2</sup>: 6 hours

Due: **Week 12, 8-10am Friday 29 October**

Weighting: **15%**

Radiographic Interpretation Slide Exam 2. All previous material from CHIR8401 is assumed knowledge.

On successful completion you will be able to:

- Synthesise radiographic and advanced imaging findings to aid diagnosis and inform patient management within chiropractic clinical practice.
- Execute a thorough assessment of the radiographic image and differentiate and describe abnormal radiographic appearances.
- Construct narrative radiographic reports as appropriate for use in clinical chiropractic practice.

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<sup>1</sup> If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the [Learning Skills Unit](#) for academic skills support.

<sup>2</sup> Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

## Delivery and Resources

This unit involves some / at least one essential on-campus learning activities/ activity which will be delivered in accordance with a COVID Safe plan. You will be expected to attend relevant on-campus activities unless the Public Health Order and/or University advice changes.

### Online modules, Lectures, and Tutorials:

**Weekly online modules** are available for both radiographic interpretation and radiographic positioning. The radiographic positioning module should be completed before the Friday Zoom lecture of the same week. The radiographic interpretation module should be completed before the Tuesday tutorial of the following week (i.e. module released week 1 to be completed before Tuesday tutorial week 2). Time will be available each week to complete the modules during the Wednesday scheduled lecture time.

**Lecture 1:** Wednesday 8-10am. This timeslot can be used to complete the weekly online modules. It is strongly recommended that you complete these modules on a weekly basis to get the most out of this course.

**Lecture 2:** Friday 8-10am Live online through Zoom - see ilearn for Zoom details. This is a discussion based lecture for radiographic interpretation - attendance and participation at the live lecture is strongly encouraged to get the most out of this course.

**SGTA1:** Radiographic Interpretation Tutorials (x1): Tuesday 2-3, 3-4, 4-5, 5-6, 6-7pm E5A 350 (RADLAB)

**SGTA2:** Radiographic Positioning Tutorials (x1): Tuesday 2-3, 3-4, 4-5, 5-6, 6-7, 7-8pm E5A 340

### Technology:

Audiovisual: all live lectures will be recorded and available on ECHO

iLearn: all online modules, lecture, tutorial, and assessment material will be available. Due to the large number of pictures within these presentations download times can be slow

### Resources:

#### **Required Texts:**

Yochum, T & Rowe, L; 2005; Essentials of Skeletal Radiology Vol I & II (3rd Ed); Lippincott, William & Wilkins; Baltimore

#### **Required Manuals:**

Radiographic Positioning Manual, 2021 (same manual as CHIR8401)

CHIR8402 Radiographic Interpretation Tutorial Manual, 2021

Both manuals are available to download from ilearn

## **Radiographic Library:**

The radiographic library (RADLAB) houses over 1000 xrays and is available for your use on iShare. A link will be provided from your ilearn page.

*iLearn:*

iLearn will be used to post all information regarding the course. This includes all course materials and information about assessments.

## **Internet:**

Google images is a great resource for sourcing specific xrays. There are many websites available with extensive xray libraries and this is also a valuable revision tool.

## **Unit Schedule**

The unit schedule is available on ilearn

## **Policies and Procedures**

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

- [Academic Appeals Policy](#)
- [Academic Integrity Policy](#)
- [Academic Progression Policy](#)
- [Assessment Policy](#)
- [Fitness to Practice Procedure](#)
- [Grade Appeal Policy](#)
- [Complaint Management Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#)

Students seeking more policy resources can visit [Student Policies \(https://students.mq.edu.au/support/study/policies\)](https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au) and use the [search tool](#).

## **Student Code of Conduct**

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/admin/other-resources/student-conduct>

## **Results**

Results published on platform other than [eStudent](#), (eg. iLearn, Coursera etc.) 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](http://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## 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 help you improve your marks and take control of your study.

- [Getting help with your assignment](#)
- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module](#)

The Library provides online and face to face support to help you find and use relevant information resources.

- [Subject and Research Guides](#)
- [Ask a Librarian](#)

## Student Enquiry Service

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

If you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## Equity 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.

## IT Help

For help with University computer systems and technology, visit [http://www.mq.edu.au/about\\_us/offices\\_and\\_units/information\\_technology/help/](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.

## Changes since First Published

Date	Description
12/07/2021	Added the required statement for on-campus activities to the delivery section

