

# CHIR903 Clinical Chiropractic 3

S1 Day 2019

Dept of Chiropractic

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#### Disclaimer

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# **General Information**

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Credit points

4

Prerequisites CHIR892

Corequisites

Co-badged status

#### Unit description

This unit has three aims: 1. The unit focuses on developing basic proficiency in Gonstead manual techniques and further developing proficiency in Diversified manual techniques. It covers indications and contraindications to manipulation and includes the clinical applications of these techniques. 2. The unit introduces students to the subject of electrophysical therapy: biophysical principles, dosimetry, indications for use, contra-indications for use, precautions, dangers and risks associated with use. A multidisciplinary and evidence-based approach to rehabilitation including functional restoration, pain and psychological management will be emphasised. 3. The unit provides an introduction to the assessment and management of musculoskeletal sports injuries within a chiropractic setting in Australia. Students will learn the basic principles of sports medicine and the regulatory framework within which sports injury management operates. A multidisciplinary team-based approach to the management of sports injuries will be emphasised.

### 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:

The ability to perform spinal adjustments and mobilisations with the appropriate psychomotor skills at a clinically safe and competent level.

The ability to control these procedures with regard to patient position, practitioner

position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.

A thorough knowledge of the clinical anatomy, biomechanics, and patho-mechanics for

all joints of the body in order to: a) Understand the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) Perform postural analysis in relation to dysfunction; c) Perform the relevant orthopaedic testing, motion palpation, static palpation, indications and contraindication testing for each technique and methods of modification to suit special populations/conditions.

The ability to choose and apply clinically appropriate electro-physical therapy. The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.

Proficiency in research skills at the level of open inquiry within open guidelines as part of a research skills development (RSD) progression.

# **General Assessment Information**

#### Grades

- HD High Distinction Denotes work of outstanding quality
- D Distinction Denotes work of superior quality
- Cr Credit Denotes work of predominantly good quality
- P Pass Denotes work of satisfactory quality
- F Fail Denotes a candidate has failed to complete the unit satisfactorily

#### Achievement of grades will be based on the following criteria:

Grade	
Pass (P)	A minimum raw overall mark of 50% AND a passing grade in the EPT practical exam AND a passing grade in EACH of the final technique (Gonstead/Diversified) OSCE's
Credit (Cr)	A minimum raw overall mark of 65% AND a passing grade in the EPT practical exam AND a passing grade in EACH of the final technique (Gonstead/Diversified) OSCE's

Distinction (D)	A minimum raw overall mark of 75% AND a passing grade in the EPT practical exam AND a passing grade in EACH of the final technique (Gonstead/Diversified) OSCE's
High Distinction (HD)	A minimum raw overall mark of 85% AND a passing grade in the EPT practical exam AND a passing grade in EACH of the final technique (Gonstead/Diversified) OSCE's

#### Assessment Marks and Feedback

Marks for each assessment task (including the week 13 OSCE and end of semester written exam) will be provided as soon as is practically possible after the assessment task is undertaken. For the Spot Test and Video Technique Assignments (TA 1-4), feedback will be given as soon as possible after each assessment.

Attendance is expected at lectures and tutorials. 85% attendance is the expected requirement for tutorials. Attendance will be recorded and will be taken into consideration when compiling a student's final grade for the unit.

#### Hurdle Requirements and Serious Attempt Defined

A hurdle is a passing requirement for the unit. A serious attempt is a threshold when a second chance will be provided as an opportunity to meet the hurdle requirement.

CHIR903 has 3 hurdles. The hurdles, their serious attempt threshold, and the method of the second attempt are described below.

#### Hurdle 1 - Pass the EPT component of CHIR903

 The EPT component of this unit has a PASS/FAIL grade attached to it. To pass CHIR 903 a student <u>must pass the EPT component</u>. To pass the EPT component a student needs to achieve a minimum mark of 50% in the practical exam held in week 6. If a student does not achieve the minimum mark in the week 6 exam but they are deemed to have made a serious attempt (40%-49%) they will be offered a supplementary EPT practical exam in week 7. If the student does not achieve a passing mark in the supplementary exam in week 7 they will be deemed to have failed the EPT component and therefore the unit as a whole.

#### Hurdle 2 - Chiropractic Diversified Technique OSCE

- Serious attempt: defined as gaining 40-49% in the final chiropractic diversified OSCE.
- <u>Second chance</u>: a supplementary chiropractic diversified OSCE The highest grade

achieved in this scenario will be a PASS grade regardless of the student's overall score in the unit.

#### Hurdle 3 - Chiropractic Gonstead Technique OSCE

- <u>Serious attempt:</u> defined as gaining 40-49% in the final chiropractic Gonstead OSCE.
- <u>Second chance</u>: a supplementary chiropractic Gonstead OSCE The highest grade achieved in this scenario will be a PASS grade regardless of the student's overall score in the unit.

Second-chance hurdle examinations will be offered in the week of July 24 - 28, 2019. Results will be released on July 11. Students will be notified of their eligibility for a hurdle retry and are required to make themselves available during that week to take advantage of the retry opportunity.

#### Serious and Unavoidable Disruption

The University classifies a disruption as serious and unavoidable if it:

- could not have reasonably been anticipated, avoided or guarded against by the student; and
- was beyond the student's control; and
- caused substantial disruption to the student's capacity for effective study and/or completion of required work; and
- occurred during an event critical study period and was at least three (3) consecutive days duration, and/or
- prevented completion of a final examination.

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 Campus Wellbeing and Support Services.

#### Examination(s)

The University Examination period in for First Half Year 2019 is from Tuesday 11th June to Friday 28th June.

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. <u>https://iexams.mq.edu.au/timetable</u>

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 submit a

application for 'Special consideration'. Information about the special consideration process is available at **Policy Central:**http://www.mq.edu.au/policy/

If you receive <u>special consideration</u> 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 <u>policy</u> prior to submitting an application. You can check the supplementary exam information page on FSE101 in iLearn (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.

### Assessment Tasks

Name	Weighting	Hurdle	Due
Video Technique Assignment 1	5%	No	Week 3
Video Technique Assignment 2	5%	No	Week 5
EPT Practical Examination	0%	Yes	Week 6
Gonstead Spot Test	10%	No	Week 6
Video Technique Assignment 3	5%	No	Week 7
Video Technique Assignment 4	5%	No	Week 10
Diversified & Sports Med OSCE	20%	Yes	Week 13
Gonstead OSCE	20%	Yes	Week 13
Final Theory Examination	30%	No	Examination Period

### Video Technique Assignment 1

#### Due: Week 3

Weighting: 5%

Video Technique Assignment 1 (Diversified) [Non-Invigilated]

On successful completion you will be able to:

- The ability to perform spinal adjustments and mobilisations with the appropriate psychomotor skills at a clinically safe and competent level.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line

of drive.

 A thorough knowledge of the clinical anatomy, biomechanics, and patho-mechanics for all joints of the body in order to: a) Understand the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) Perform postural analysis in relation to dysfunction; c) Perform the relevant orthopaedic testing, motion palpation, static palpation, indications and contraindication testing for each technique and methods of modification to suit special populations/conditions.

# Video Technique Assignment 2

Due: Week 5 Weighting: 5%

Video Technique Assignment 2 (Diversified) [Non-Invigilated]

On successful completion you will be able to:

- The ability to perform spinal adjustments and mobilisations with the appropriate psychomotor skills at a clinically safe and competent level.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A thorough knowledge of the clinical anatomy, biomechanics, and patho-mechanics for all joints of the body in order to: a) Understand the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) Perform postural analysis in relation to dysfunction; c) Perform the relevant orthopaedic testing, motion palpation, static palpation, indications and contraindication testing for each technique and methods of modification to suit special populations/conditions.

### **EPT Practical Examination**

#### Due: Week 6

Weighting: 0%

This is a hurdle assessment task (see <u>assessment policy</u> for more information on hurdle assessment tasks)

Practical Assessment (Formative) - Compulsory PASS required [Invigilated]

On successful completion you will be able to:

 The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.

### **Gonstead Spot Test**

Due: Week 6 Weighting: 10%

Gonstead Practical Spot Test [Invigilated]

On successful completion you will be able to:

- The ability to perform spinal adjustments and mobilisations with the appropriate psychomotor skills at a clinically safe and competent level.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A thorough knowledge of the clinical anatomy, biomechanics, and patho-mechanics for all joints of the body in order to: a) Understand the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) Perform postural analysis in relation to dysfunction; c) Perform the relevant orthopaedic testing, motion palpation, static palpation, indications and contraindication testing for each technique and methods of modification to suit special populations/conditions.

### Video Technique Assignment 3

Due: Week 7

Weighting: 5%

Video Technique Assignment 3 (Gonstead) [Non-Invigilated]

On successful completion you will be able to:

- The ability to perform spinal adjustments and mobilisations with the appropriate psychomotor skills at a clinically safe and competent level.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A thorough knowledge of the clinical anatomy, biomechanics, and patho-mechanics for all joints of the body in order to: a) Understand the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) Perform postural analysis in relation to dysfunction; c) Perform the relevant orthopaedic testing, motion palpation, static palpation, indications and contraindication testing for each technique and methods of modification to suit special populations/conditions.

# Video Technique Assignment 4

#### Due: Week 10 Weighting: 5%

Video Technique Assignment 4 (Diversified) [Non-Invigilated]

On successful completion you will be able to:

- The ability to perform spinal adjustments and mobilisations with the appropriate psychomotor skills at a clinically safe and competent level.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A thorough knowledge of the clinical anatomy, biomechanics, and patho-mechanics for all joints of the body in order to: a) Understand the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) Perform postural analysis in relation to dysfunction; c) Perform the relevant orthopaedic testing, motion palpation, static palpation, indications and contraindication testing for each technique and methods of modification to suit special populations/conditions.

# **Diversified & Sports Med OSCE**

#### Due: Week 13 Weighting: 20% This is a hurdle assessment task (see assessment policy for more information on hurdle assessment tasks)

Diversified & Sports Med - Practical Examination [Invigilated]

On successful completion you will be able to:

- The ability to perform spinal adjustments and mobilisations with the appropriate psychomotor skills at a clinically safe and competent level.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A thorough knowledge of the clinical anatomy, biomechanics, and patho-mechanics for all joints of the body in order to: a) Understand the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) Perform postural analysis in relation to dysfunction; c) Perform the relevant orthopaedic testing, motion palpation, static palpation, indications and contraindication testing for each technique and methods

of modification to suit special populations/conditions.

- The ability to choose and apply clinically appropriate electro-physical therapy.
- The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.

# Gonstead OSCE

#### Due: Week 13 Weighting: 20% This is a hurdle assessment task (see <u>assessment policy</u> for more information on hurdle assessment tasks)

Gonstead - Practical Examination [Invigilated]

On successful completion you will be able to:

- The ability to perform spinal adjustments and mobilisations with the appropriate psychomotor skills at a clinically safe and competent level.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A thorough knowledge of the clinical anatomy, biomechanics, and patho-mechanics for all joints of the body in order to: a) Understand the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) Perform postural analysis in relation to dysfunction; c) Perform the relevant orthopaedic testing, motion palpation, static palpation, indications and contraindication testing for each technique and methods of modification to suit special populations/conditions.
- The ability to choose and apply clinically appropriate electro-physical therapy.

### **Final Theory Examination**

# Due: Examination Period

Weighting: 30%

Final Theory Examination - Gonstead, Diversified, & Sports Medicine [Invigilated]

On successful completion you will be able to:

 A thorough knowledge of the clinical anatomy, biomechanics, and patho-mechanics for all joints of the body in order to: a) Understand the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) Perform postural analysis in relation to dysfunction; c) Perform the relevant orthopaedic testing, motion palpation, static palpation, indications and contraindication testing for each technique and methods of modification to suit special populations/conditions.

• Proficiency in research skills at the level of open inquiry within open guidelines as part of a research skills development (RSD) progression.

## **Delivery and Resources**

- Number and length of classes per week:
  - 3 x 1 hour lectures
  - 1 x 1<sup>1</sup>/<sub>2</sub> hour + 1 x 2 hour Gonstead tutorial
  - 2 x 1 hour Diversified tutorials
  - 1 x 1 hour EPT/Sports Medicine tutorial
- The timetable for classes can be found on the University web site at: <u>http://www.timetabl</u> es.mq.edu.au/
- <u>ONLY THE THURSDAY EPT TUTORIALS</u> WILL RUN IN WEEK 1. ALL OTHER TUTORIALS START IN WEEK 2. Please check iLearn for announcements.
- Tutorial attendance/participation is required.

# **Policies and Procedures**

Macquarie University policies and procedures are accessible from <u>Policy Central (https://staff.m</u> <u>q.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-centr</u> <u>al</u>). 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
- <u>Special Consideration Policy</u> (*Note: The Special Consideration Policy is effective from 4* December 2017 and replaces the Disruption to Studies Policy.)

Undergraduate students seeking more policy resources can visit the <u>Student Policy Gateway</u> (htt ps://students.mq.edu.au/support/study/student-policy-gateway). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit Policy Central (http

s://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/p olicy-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/study/getting-started/student-conduct

#### **Results**

Results published on platform other than <u>eStudent</u>, (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 <u>eStudent</u>. For more information visit <u>ask.mq.edu.au</u> or if you are a Global MBA student contact globalmba.support@mq.edu.au

### Student Support

Macquarie University provides a range of support services for students. For details, visit <u>http://stu</u> dents.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

If you are a Global MBA student contact globalmba.support@mq.edu.au

### IT Help

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

When using the University's IT, you must adhere to the <u>Acceptable Use of IT Resources Policy</u>. 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

- The ability to perform spinal adjustments and mobilisations with the appropriate psychomotor skills at a clinically safe and competent level.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A thorough knowledge of the clinical anatomy, biomechanics, and patho-mechanics for all joints of the body in order to: a) Understand the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) Perform postural analysis in relation to dysfunction; c) Perform the relevant orthopaedic testing, motion palpation, static palpation, indications and contraindication testing for each technique and methods of modification to suit special populations/conditions.
- The ability to choose and apply clinically appropriate electro-physical therapy.
- The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.
- Proficiency in research skills at the level of open inquiry within open guidelines as part of a research skills development (RSD) progression.

#### Assessment tasks

- Video Technique Assignment 1
- Video Technique Assignment 2
- EPT Practical Examination
- Gonstead Spot Test
- Video Technique Assignment 3
- Video Technique Assignment 4
- Diversified & Sports Med OSCE
- Gonstead OSCE

• Final Theory Examination

### 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

- The ability to perform spinal adjustments and mobilisations with the appropriate psychomotor skills at a clinically safe and competent level.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
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#### **Assessment tasks**

- Video Technique Assignment 1
- Video Technique Assignment 2
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- Video Technique Assignment 4
- Diversified & Sports Med OSCE
- Gonstead OSCE
- Final Theory Examination

# 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

- The ability to perform spinal adjustments and mobilisations with the appropriate psychomotor skills at a clinically safe and competent level.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A thorough knowledge of the clinical anatomy, biomechanics, and patho-mechanics for all joints of the body in order to: a) Understand the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) Perform postural analysis in relation to dysfunction; c) Perform the relevant orthopaedic testing, motion palpation, static palpation, indications and contraindication testing for each technique and methods of modification to suit special populations/conditions.
- The ability to choose and apply clinically appropriate electro-physical therapy.
- The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.
- Proficiency in research skills at the level of open inquiry within open guidelines as part of a research skills development (RSD) progression.

#### Assessment tasks

- Video Technique Assignment 1
- Video Technique Assignment 2
- EPT Practical Examination
- Gonstead Spot Test
- Video Technique Assignment 3
- Video Technique Assignment 4
- Diversified & Sports Med OSCE
- Gonstead OSCE
- Final Theory Examination

# 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

- The ability to perform spinal adjustments and mobilisations with the appropriate psychomotor skills at a clinically safe and competent level.
- The ability to control these procedures with regard to patient position, practitioner position, primary contact, secondary contact, lock-up/set-up, speed, amplitude and line of drive.
- A thorough knowledge of the clinical anatomy, biomechanics, and patho-mechanics for all joints of the body in order to: a) Understand the biomechanical effects of an adjustment or mobilisation and the indications for their use; b) Perform postural analysis in relation to dysfunction; c) Perform the relevant orthopaedic testing, motion palpation, static palpation, indications and contraindication testing for each technique and methods of modification to suit special populations/conditions.
- The ability to choose and apply clinically appropriate electro-physical therapy.
- The ability to construct and apply an appropriate consultation, examination and management of acute musculoskeletal peripheral joint injuries commonly encountered by practitioners in the field.
- Proficiency in research skills at the level of open inquiry within open guidelines as part of a research skills development (RSD) progression.

#### **Assessment tasks**

- EPT Practical Examination
- Diversified & Sports Med OSCE
- Gonstead OSCE
- Final Theory Examination

## 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 outcome

• Proficiency in research skills at the level of open inquiry within open guidelines as part of a research skills development (RSD) progression.

#### **Assessment tasks**

- Video Technique Assignment 1
- Video Technique Assignment 2
- EPT Practical Examination
- Video Technique Assignment 3
- Video Technique Assignment 4
- Diversified & Sports Med OSCE
- Gonstead OSCE
- Final Theory Examination

## 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 outcome

• Proficiency in research skills at the level of open inquiry within open guidelines as part of a research skills development (RSD) progression.

#### **Assessment tasks**

- EPT Practical Examination
- Gonstead Spot Test
- Diversified & Sports Med OSCE
- Gonstead OSCE

## **Changes from Previous Offering**

New conveners, Christopher Burrell and Matt Fernandez, has been added to the unit in 2018.