

SGY701 Surgical Skills Simulation in Anterior Hip Arthroplasty

School: School of Health - Anatomy

2024 | Session 4

Online

ONLINE

You can do this course without coming onto campus.

Please go to usc.edu.au for up to date information on the teaching sessions and campuses where this course is usually offered.

1. What is this course about?

1.1. Description

This course will comprise of live surgical observations, and a surgical skills practicum in a simulated setting (usually this will be cadaveric). The purpose of this course is to ensure students have appropriate opportunities to demonstrate and apply, under supervision, the knowledge and skills necessary to conduct the direct anterior approach for total hip arthroplasty (DAA|THA).

The course is listed as an online offering - however there is a mandatory onsite component that will be conducted at a site suitable to practice and assess surgical skills in a simulated setting.

1.2. How will this course be delivered?

ACTIVITY	HOURS	BEGINNING WEEK	FREQUENCY
ONLINE			
Learning materials – Online asynchronous modules to be completed prior to surgical observation and simulation intensive.	12hrs	Refer to Format	Once Only
Placement – Surgical observation and simulation	36hrs	Not applicable	Once Only

1.3. Course Topics

The course will comprise of in-theatre observations of the direct anterior approach for total hip arthroplasty (DAA|THA), and a 1 day cadaveric surgical skills simulation workshop and assessment. This cadaveric workshop will be conducted under the clinical supervision of a Medacta M.O.R.E. Education Board Member.

- Observation of orthopaedic service as it relates to total hip arthroplasty.
- Observe and then demonstrate the surgical and operational procedures of direct anterior approach for total hip arthroplasty.
- Cadaveric surgical simulation skills practicum.
- Assessment and self-reflection of surgical performance and orthopaedic practice to professional standards and in accordance with governing codes of conduct.

2. What level is this course?

700 Level (Specialised)

Demonstrating a specialised body of knowledge and set of skills for professional practice or further learning. Advanced application of knowledge and skills in unfamiliar contexts.

3. What is the unit value of this course?

12 units

4. How does this course contribute to my learning?

COURSE LEARNING OUTCOMES			GRADUATE QUALITIES
On successful completion of this course, you should be able to...			Completing these tasks successfully will contribute to you becoming...
1	Reflect on live surgery in anterior hip arthroplasty.		Knowledgeable
2	Demonstrate the cognitive and technical competencies required to conduct the direct anterior approach for total hip arthroplasty (DAATHA).		Empowered
3	Communicate and collaborate with the surgical team to achieve optimal patient outcomes.		Engaged
4	Practice within ethical, legal and professional boundaries as they pertain in compliance with the Australian Medical Association Code of Ethics and the Australian Orthopaedic Association Code of Conduct.		Ethical
5	Evaluate personal orthopaedic surgical competencies in relation to professional development.		Creative and critical thinker

5. Am I eligible to enrol in this course?

Refer to the [UniSC Glossary of terms](#) for definitions of “pre-requisites, co-requisites and anti-requisites”.

5.1. Pre-requisites

SGY700 and enrolled in SC526

5.2. Co-requisites

Not applicable

5.3. Anti-requisites

Not applicable

5.4. Specific assumed prior knowledge and skills (where applicable)

Not applicable

6. How am I going to be assessed?

6.1. Grading Scale

Standard Grading (GRD)

High Distinction (HD), Distinction (DN), Credit (CR), Pass (PS), Fail (FL).

6.2. Details of early feedback on progress

Regular meetings with the Clinical Supervisor will provide continual feedback opportunities for the surgeon. Formative feedback will also be provided by the Academic Placement Supervisors/Course Coordinator on the progression of professional practice, and collaboration with the Clinical Supervisor.

6.3. Assessment tasks

DELIVERY MODE	TASK NO.	ASSESSMENT PRODUCT	INDIVIDUAL OR GROUP	WEIGHTING %	WHAT IS THE DURATION / LENGTH?	WHEN SHOULD I SUBMIT?	WHERE SHOULD I SUBMIT IT?
All	1	Examination - not Centrally Scheduled	Individual	70%	1 day duration	Refer to Format	In Class
All	2	Artefact - Professional, and Written Piece	Individual	30%		Refer to Format	Online Assignment Submission with plagiarism check

All - Assessment Task 1: DAATHA simulated surgical skills assessment

GOAL:	To demonstrate and apply your comprehensive knowledge and skills in orthopaedic surgery to successfully complete the direct anterior approach for total hip arthroplasty operative procedure.		
PRODUCT:	Examination - not Centrally Scheduled		
FORMAT:	Details (including submission information) provided on Canvas.		
CRITERIA:	No.		Learning Outcome assessed
	1	Assessment of radiological and patient data to select the prosthesis, implantation and positioning in preparation for total hip arthroplasty.	1 2 5
	2	Application of theoretical, technical and clinical knowledge and surgical skills to conduct the direct anterior approach for total hip arthroplasty procedure.	1 2 4
	3	Positioning and preparation of the cadaver for surgery.	2 4
	4	Completion of the surgical milestones for the direct anterior approach for hip arthroplasty.	1 2 4
	5	Maintain respectful and ethical conduct in the cadaveric laboratory.	4
GENERIC SKILLS:	Communication, Collaboration, Problem solving, Applying technologies		

All - Assessment Task 2: Self-reflection on professional competencies in the direct anterior approach to total hip arthroplasty

GOAL:	To demonstrate and apply your knowledge, and comprehension of all aspects relating to the direct anterior approach to total hip arthroplasty, through a range of technical, clinical and surgical scenarios.		
PRODUCT:	Artefact - Professional, and Written Piece		
FORMAT:	Details (including submission information) provided on Canvas.		
CRITERIA:	No.		Learning Outcome assessed
	1	Application of latest advances in anterior hip arthroplasty and revision surgeries to enact best surgical practice, post-operative rehabilitation and improve patient health outcomes.	1 2 3 4
	2	Evaluation of ethical and professional best practice outcomes for patient-centred care.	5
GENERIC SKILLS:	Communication, Collaboration, Problem solving, Organisation, Applying technologies		

7. Directed study hours

A 12-unit course will have total of 150 learning hours which will include directed study hours (including online if required), self-directed learning and completion of assessable tasks. Student workload is calculated at 12.5 learning hours per one unit.

8. What resources do I need to undertake this course?

Please note: Course information, including specific information of recommended readings, learning activities, resources, weekly readings, etc. are available on the course Canvas site– Please log in as soon as possible.

8.1. Prescribed text(s) or course reader

There are no required/recommended resources for this course.

8.2. Specific requirements

Not applicable

9. How are risks managed in this course?

Risk assessments have been conducted for the field activities being undertaken and a high level of risk has been identified. High level risk may include, boating, diving, and hot works such as welding, cutting and grinding. Where high risks exist you will be given training and advice about how to control the high level risk, however it is also your responsibility to review course material, search online, discuss with lecturers and peers and understand the health and safety risks associated with your specific course of study and to familiarise yourself with the University's general health and safety principles by reviewing the [online induction training for students](#), and following the instructions of the University staff.

10. What administrative information is relevant to this course?

10.1. Assessment: Academic Integrity

Academic integrity is the ethical standard of university participation. It ensures that students graduate as a result of proving they are competent in their discipline. This is integral in maintaining the value of academic qualifications. Each industry has expectations and standards of the skills and knowledge within that discipline and these are reflected in assessment.

Academic integrity means that you do not engage in any activity that is considered to be academic fraud; including plagiarism, collusion or outsourcing any part of any assessment item to any other person. You are expected to be honest and ethical by completing all work yourself and indicating in your work which ideas and information were developed by you and which were taken from others. You cannot provide your assessment work to others. You are also expected to provide evidence of wide and critical reading, usually by using appropriate academic references.

In order to minimise incidents of academic fraud, this course may require that some of its assessment tasks, when submitted to Canvas, are electronically checked through Turnitin. This software allows for text comparisons to be made between your submitted assessment item and all other work to which Turnitin has access.

10.2. Assessment: Additional Requirements

Eligibility for Supplementary Assessment

Your eligibility for supplementary assessment in a course is dependent of the following conditions applying:

- The final mark is in the percentage range 47% to 49.4%
- The course is graded using the Standard Grading scale
- You have not failed an assessment task in the course due to academic misconduct.

10.3. Assessment: Submission penalties

Late submission of assessment tasks will be penalised at the following maximum rate (the rates are cumulative):

5% (of the assessment task's identified value) per day for the first two days from the date identified as the due date for the assessment task

10% (of the assessment task's identified value) for the third day

20% (of the assessment task's identified value) for the fourth day and subsequent days up to and including seven days from the date identified as the due date for the assessment task

A result of zero is awarded for an assessment task submitted seven days from the date identified as the due date for the assessment task. Weekdays and weekends are included in the calculation of days late.

To request an extension, you must contact your Course Coordinator and supply the required documentation to negotiate an outcome.

10.4. SafeUniSC

UniSC is committed to a culture of respect and providing a safe and supportive environment for all members of our community. For immediate assistance on campus contact SafeUniSC by phone: [07 5430 1168](tel:0754301168) or using the [SafeZone](#) app. For general enquires contact the SafeUniSC team by phone [07 5456 3864](tel:0754563864) or email safe@usc.edu.au.

The SafeUniSC Specialist Service is a Student Wellbeing service that provides free and confidential support to students who may have experienced or observed behaviour that could cause fear, offence or trauma. To contact the service call [07 5430 1226](tel:0754301226) or email studentwellbeing@usc.edu.au.

10.5. Study help

For help with course-specific advice, for example what information to include in your assessment, you should first contact your tutor, then your course coordinator, if needed.

If you require additional assistance, the Learning Advisers are trained professionals who are ready to help you develop a wide range of academic skills. Visit the [Learning Advisers](#) web page for more information, or contact Student Central for further assistance: +61 7 5430 2890 or studentcentral@usc.edu.au.

10.6. Wellbeing Services

Student Wellbeing provide free and confidential counselling on a wide range of personal, academic, social and psychological matters, to foster positive mental health and wellbeing for your academic success.

To book a confidential appointment go to [Student Hub](#), email studentwellbeing@usc.edu.au or call 07 5430 1226.

10.7. AccessAbility Services

Ability Advisers ensure equal access to all aspects of university life. If your studies are affected by a disability, learning disorder mental health issue, injury or illness, or you are a primary carer for someone with a disability or who is considered frail and aged, [AccessAbility Services](#) can provide access to appropriate reasonable adjustments and practical advice about the support and facilities available to you throughout the University.

To book a confidential appointment go to [Student Hub](#), email AccessAbility@usc.edu.au or call 07 5430 2890.

10.8. Links to relevant University policy and procedures

For more information on Academic Learning & Teaching categories including:

- Assessment: Courses and Coursework Programs
- Review of Assessment and Final Grades
- Supplementary Assessment
- Central Examinations
- Deferred Examinations
- Student Conduct
- Students with a Disability

For more information, visit <https://www.usc.edu.au/explore/policies-and-procedures#academic-learning-and-teaching>

10.9. Student Charter

UniSC is committed to excellence in teaching, research and engagement in an environment that is inclusive, inspiring, safe and respectful. The [Student Charter](#) sets out what students can expect from the University, and what in turn is expected of students, to achieve these outcomes.

10.10. General Enquiries

In person:

- **UniSC Sunshine Coast** - Student Central, Ground Floor, Building C, 90 Sippy Downs Drive, Sippy Downs
- **UniSC Moreton Bay** - Service Centre, Ground Floor, Foundation Building, Gympie Road, Petrie
- **UniSC SouthBank** - Student Central, Building A4 (SW1), 52 Merivale Street, South Brisbane
- **UniSC Gympie** - Student Central, 71 Cartwright Road, Gympie
- **UniSC Fraser Coast** - Student Central, Student Central, Building A, 161 Old Maryborough Rd, Hervey Bay
- **UniSC Caboolture** - Student Central, Level 1 Building J, Cnr Manley and Tallon Street, Caboolture

Tel: +61 7 5430 2890

Email: studentcentral@usc.edu.au