

HLT322 Advanced clinical skills in prosthetics

School: School of Health - Public Health

2025 | Semester 1

UniSC Sunshine Coast

**BLENDED
LEARNING**

Most of your course is on campus but you may be able to do some components of this course online.

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

Building on previous knowledge and psychomotor skills learnt regarding prosthetic treatment, this course will further develop your skills of prosthetic clinical intervention. In this course, you will learn how to approach the clinical assessment, and interpret the data to create holistic evidence-based treatment plans for prosthetic clients. You will also further your clinical workshop skills in the manufacture of prosthetic devices.

1.2. How will this course be delivered?

ACTIVITY	HOURS	BEGINNING WEEK	FREQUENCY
BLENDED LEARNING			
Learning materials – Independent structured learning materials	3hrs	Week 1	13 times
Tutorial/Workshop 1 – Tutorial	3hrs	Week 1	13 times
Laboratory 1 – Laboratory	3hrs	Week 1	13 times

1.3. Course Topics

Module 1: Upper limb prosthetic management

Module 2: Transfemoral prosthetic management

Module 3: Advanced justification skills

2. What level is this course?

300 Level (Graduate)

Demonstrating coherence and breadth or depth of knowledge and skills. Independent application of knowledge and skills in unfamiliar contexts. Meeting professional requirements and AQF descriptors for the degree. May require pre-requisites where discipline specific introductory or developing knowledge or skills is necessary. Normally undertaken in the third or fourth full-time study year of an undergraduate program.

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 MAPPING	PROFESSIONAL STANDARD MAPPING *
On successful completion of this course, you should be able to...	Completing these tasks successfully will contribute to you becoming...	The Australian Orthotic Prosthetic Association
1 Critically evaluate the validity and importance of client information and outcomes to improve clinical decision making.	Creative and critical thinker	1.1.2, 1.1.5, 1.1.6, 2.1.1, 2.2.1, 2.3.2, 2.3.3, 2.3.5, 2.3.8, 2.5.2, 6.2.1, 6.2.2, 6.2.3
2 Propose and justify an evidence-based prosthetic care plan that addresses client-centred goals	Creative and critical thinker Problem solving	1.1.2, 1.3.1, 1.3.2, 2.1.1, 2.2.1, 2.3.2, 2.3.6, 2.3.7, 2.3.8, 2.4.3, 2.4.4, 2.5.1, 2.5.2, 4.2.3, 5.2.1, 5.2.2, 6.2.1, 6.2.2, 6.2.3
3 Apply and reflect on clinical skills relating to prosthetic provision	Empowered Ethical	1.1.1, 1.1.2, 1.1.3, 1.1.4, 1.1.5, 1.1.6, 1.1.7, 1.1.8, 2.1.1, 2.1.2, 2.1.3, 2.4.1, 2.4.2, 2.4.4, 3.1.1, 3.1.3, 4.1.1, 5.2.1, 5.2.3, 6.2.5
4 Communicate effectively using oral and/or written forms with the intended audience to facilitate informed decision making.	Empowered	1.1.1, 1.1.2, 1.1.3, 1.1.4, 1.1.5, 1.1.6, 1.1.7, 1.1.8, 1.3.1, 1.3.2, 2.3.1, 2.3.3, 2.3.4, 2.3.7, 2.4.6, 4.2.2, 6.1.2, 6.1.4
5 Demonstrate Safe technical skills in the provision of prosthetic devices	Creative and critical thinker Applying technologies	2.4.1, 2.4.2, 2.4.3, 2.4.4, 2.4.5, 3.1.2, 3.1.3, 3.2.1, 3.2.2, 4.1.1, 4.1.2, 4.1.3, 5.1.1, 5.1.2, 6.2.5

* Competencies by Professional Body

CODE	COMPETENCY
THE AUSTRALIAN ORTHOTIC PROSTHETIC ASSOCIATION	
1.1.2	Ensures the client is the focus of the care pathway
1.1.5	Listens effectively to the client and/or carer
1.1.6	Encourages the client and/or carer to participate and provide feedback
1.3.1	Provides clinical justification for prescribed orthotic/prosthetic client treatment
1.3.2	Provides relevant information in order to facilitate client access to care
1.1.1	Ensures all interactions with the client and/or carer demonstrate respect, honesty, empathy and dignity and are conducted in a culturally appropriate manner
1.1.3	Ensures the client and/or carer is aware of their rights and responsibilities
1.1.4	Obtains informed consent from the client and/or carer prior to the provision of care
1.1.7	Provides prompt, accurate and comprehensive information in clear terms to enable the client and/or carer to make an informed decision
1.1.8	Uses all available resources to enhance communication
2.1.1	Identifies subjective and objective information to enable development of an appropriate orthotic/prosthetic care plan
2.2.1	Accesses and utilises evidence to guide clinical decisions
2.3.2	Considers the information obtained, the client and/or carer's goals and evidence when formulating treatment options
2.3.3	Discusses treatment options with the client and/or carer to support client centred care and informed choice
2.3.5	Identifies clients who require collaborative care and liaises with the health professional team to ensure integrates care planning
2.3.8	Selects appropriate outcome measures

CODE	COMPETENCY
2.5.2	Maintains legible, concise and accurate documentation using contemporary methods
2.3.6	Determines and justifies the design details of the orthosis/prosthesis prescription
2.3.7	Includes client, carer and/or health professional team education and follow-up when planning treatment
2.4.3	Reviews the client at appropriate intervals to evaluate fit, function, quality and safety of the orthosis/prosthesis
2.4.4	Evaluates and monitors treatment outcomes using patient feedback and/or outcome measures
2.5.1	Adheres to legislative and organisational requirements for all documentation
2.1.2	Selects assessment techniques, outcome measures and other tools/instruments based on evidence, which are relevant to the client's presentation
2.1.3	Performs assessment professionally, safely and effectively
2.4.1	Considers all relevant characteristics of the client during orthosis/prosthesis fitting and review processes
2.4.2	Uses appropriate techniques to ensure optimal fit and function of the orthosis/prosthesis
2.3.1	Facilitates client and/or carer to establish personal goals
2.3.4	Discusses short and long term treatment goals with the client and/or carer
2.4.6	Discusses progress toward goals with the client and/or carer
2.4.5	Modifies treatment to ensure best possible outcomes are maintained
3.1.1	Utilises appropriate casting, measuring and/or cast modification techniques to facilitate fabrication
3.1.3	Performs and/or coordinates requires modifications of orthoses/prostheses
3.1.2	Fabricates and/or coordinates the optimal fabrication of orthoses/prostheses
3.2.1	Assesses the orthosis/prosthesis for structural safety at appropriate intervals
3.2.2	Ensures the orthosis/prosthesis is compliant with manufacturer guidelines and standards
4.2.3	Prescribes and designs orthosis/prosthesis to achieve optimal outcomes within the approved budget for client treatment
4.1.1	Facilitates appropriate completion of treatment
4.2.2	Prepares and/or coordinates submission of client funding documentation as required
4.1.2	Demonstrates an ability to triage individual client case load within broader facility requirements for client care
4.1.3	Facilitates appropriate completion of all supportive activities
5.2.1	Recognises the responsibility to do no harm
5.2.2	Complies with relevant laws, regulations, policies and guidelines
5.2.3	Abides by applicable codes of ethics and conduct
5.1.1	Adheres to legislation and workplace guidelines relating to safety
5.1.2	Identifies workplace hazards and acts to eliminate or reduce risks
6.2.1	Assesses and critically analyses sources of evidence
6.2.2	Demonstrates a systematic approach to analysis and decision making
6.2.3	Integrates evidence and new learning into practice to improve health outcomes for clients
6.2.5	Critically and continuously evaluates practice
6.1.2	Shares skills and knowledge with health professional colleagues and students
6.1.4	Seeks out leaders within the profession for advice and mentoring

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

(HLT321 and enrolled in SC367 with a Prosthetics & Orthotics Extended major) or (HLT321 and enrolled in SC307)

5.2. Co-requisites

Not applicable

5.3. Anti-requisites

Not applicable

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

Basic technical and clinical skills related to Prosthetics & Orthotics care

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

You will be provided with a formative feedback opportunity to prepare you for summative tasks in week 4

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	Artefact - Creative, and Oral	Individual	20%	7 minute recording	Week 6	Online Submission
All	2	Written Piece	Individual	40%	2000 words	Week 12	Online Assignment Submission with plagiarism check
All	3	Examination - Centrally Scheduled	Individual	40%	10 min interactive discussion	Exam Period	To Supervisor

All - Assessment Task 1: Transradial prosthesis

GOAL:	The goal of this piece is to have you design, cast and manufacture a simulated transradial prosthesis. On completion, you will review the project, evaluate your skills, explore the process, and report on the outcome.		
PRODUCT:	Artefact - Creative, and Oral		
FORMAT:	Submit file to Canvas		
CRITERIA:	No.		Learning Outcome assessed
	1	Application of clinical skills	3
	2	Evaluation of client centred care	1
	3	Reflection on clinical skills	3
	4	Demonstration of safe technical skills	5
	5	Effective communication through oral and visual presentation	4
GENERIC SKILLS:	Communication, Problem solving, Applying technologies, Information literacy		

All - Assessment Task 2: Prosthetic prescription and justification report

GOAL:	In this report you will demonstrate skills required in the planning, prescription and justification of a prosthetic intervention and treatment plan		
PRODUCT:	Written Piece		
FORMAT:	Written piece submitted to Canvas		
CRITERIA:	No.		Learning Outcome assessed
	1	Presentation of client centred goals relating to client information	1 2
	2	Proposal and communication of evidence-based plans for prosthetic intervention	2 4
	3	Justification of proposed evidence-based plan	1 2
	4	Presentation of treatment plan	2
	5	Effective communication with intended audience	4
GENERIC SKILLS:	Communication, Problem solving, Organisation, Information literacy		

All - Assessment Task 3: Interactive oral exam

GOAL:	The goal of this oral examination is to have you showcase your clinical knowledge during a collegial discourse relating to the knowledge you have built over the semester.		
PRODUCT:	Examination - Centrally Scheduled		
FORMAT:	Scheduled exam time, 1:1 interactive discussion with an assessor		
CRITERIA:	No.		Learning Outcome assessed
	1	Critical evaluation of client information for clinical decision making	1
	2	Application of clinical skills relating to prosthetic provision	3
	3	Effective communication in collegial discourse	4
GENERIC SKILLS:	Communication, Collaboration, Problem solving		

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

Please note that you need to have regular access to the resource(s) listed below. Resources may be required or recommended.

REQUIRED?	AUTHOR	YEAR	TITLE	EDITION	PUBLISHER
Required	Kevin C. Chui, Sheng-Che Yen, Michelle M. Lusardi, Milagros Jorge	2019	Orthotics and Prosthetics in Rehabilitation	4th	Saunders

8.2. Specific requirements

You will be required to wear Program polo, name badge, Student ID, approved pants, and closed toe shoes during client encounters. You will require Personal Protective Equipment for the workshop

9. How are risks managed in this course?

Risk assessments have been performed for all laboratory classes and a moderate level of health and safety risk exists. Moderate risks are those associated with laboratory work such as working with chemicals and hazardous substances. You will be required to undertake laboratory induction training and 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:

- (a) The final mark is in the percentage range 47% to 49.4%; and
- (b) The course is graded using the Standard Grading scale

10.3. Assessment: Submission penalties

Late submissions may be penalised up to and including the following maximum percentage of the assessment task's identified value, with weekdays and weekends included in the calculation of days late:

- (a) One day: deduct 5%;
- (b) Two days: deduct 10%;
- (c) Three days: deduct 20%;
- (d) Four days: deduct 40%;
- (e) Five days: deduct 60%;
- (f) Six days: deduct 80%;
- (g) Seven days: A result of zero is awarded for the assessment task.

The following penalties will apply for a late submission for an online examination:

Less than 15 minutes: No penalty
From 15 minutes to 30 minutes: 20% penalty
More than 30 minutes: 100% penalty

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