1. What is this course about?

1.1 Description
This course will introduce you to more advanced concepts in prosthetics and orthotics, either topics that are inherently more difficult or are newer developments within the field. This series of workshops will be run in conjunction with experts in their fields whenever possible and use a practical approach to learning the material. This course will have you critically evaluate and communicate strategies of best practice regarding the use of technology and techniques to improve the quality and provision of prosthetic and orthotic care.

1.2 Field trips, WIL placements or activities required by professional accreditation

<table>
<thead>
<tr>
<th>Activity</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

2. What level is this course?

300 level Graduate - Independent application of graduate knowledge and skills. Meets AQF and professional requirements. May require pre-requisites and developing level knowledge/skills. Normally taken in the 3rd or 4th 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?**

<table>
<thead>
<tr>
<th>Specific Learning Outcomes</th>
<th>Assessment Tasks</th>
<th>Graduate Qualities or Professional Standards mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>On successful completion of this course you should be able to:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communicate effectively, based on intended audience, to instruct others on a new technique, technology, or concept</td>
<td>Task 1</td>
<td>Creative and critical thinkers.</td>
</tr>
<tr>
<td></td>
<td>Task 2</td>
<td>Empowered.</td>
</tr>
<tr>
<td>Critically examine new technologies, techniques and/or knowledge in prosthetics and orthotics and discuss implications to clinical care.</td>
<td>Task 1</td>
<td>Creative and critical thinkers.</td>
</tr>
<tr>
<td></td>
<td>Task 2</td>
<td>Empowered.</td>
</tr>
<tr>
<td></td>
<td>Task 3</td>
<td></td>
</tr>
<tr>
<td>Provide a persuasive justification for improving client outcomes through evidence-based prosthetic and orthotic intervention strategies</td>
<td>Task 1</td>
<td>Sustainability-focussed.</td>
</tr>
<tr>
<td></td>
<td>Task 3</td>
<td>Creative and critical thinkers.</td>
</tr>
<tr>
<td>Apply advanced practice theories and concepts to current and future practice</td>
<td>Task 2</td>
<td>Empowered.</td>
</tr>
<tr>
<td></td>
<td>Task 3</td>
<td></td>
</tr>
</tbody>
</table>

5. **Am I eligible to enrol in this course?**

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

5.1 **Enrolment restrictions**

This course is only available to students enrolled in SC367 (Prosthetics & Orthotics Extended Major).

5.2 **Pre-requisites**

HLT320

5.3 **Co-requisites**

nil

5.4 **Anti-requisites**

nil

5.5 **Specific assumed prior knowledge and skills (where applicable)**

Clinical and technical skill in prosthetics and orthotics
6. How am I going to be assessed?

6.1 Grading scale
Standard – High Distinction (HD), Distinction (DN), Credit (CR), Pass (PS), Fail (FL)

6.2 Details of early feedback on progress
In week 2, you will take part in a series of simulations that will prepare you for Task 3 and provide feedback on your performance.

6.3 Assessment tasks

<table>
<thead>
<tr>
<th>Task No.</th>
<th>Assessment Product</th>
<th>Individual or Group</th>
<th>Weighting %</th>
<th>What is the duration / length?</th>
<th>When should I submit?</th>
<th>Where should I submit it?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Written Piece</td>
<td>Individual</td>
<td>40%</td>
<td>1500 words</td>
<td>Week 4</td>
<td>Online Assignment Submission with Plagiarism check</td>
</tr>
<tr>
<td>2</td>
<td>Artefact - Creative</td>
<td>Individual</td>
<td>20%</td>
<td>Poster</td>
<td>Week 6</td>
<td>Online Assignment Submission with Plagiarism check</td>
</tr>
<tr>
<td>3</td>
<td>Examination</td>
<td>Individual</td>
<td>40%</td>
<td>120 minutes</td>
<td>Week 8</td>
<td>In Class</td>
</tr>
</tbody>
</table>

Assessment Task 1: Justification of Advanced Technologies

<table>
<thead>
<tr>
<th>Goal:</th>
<th>This task will have you respond, using current and appropriate literature, to a denial for advanced components/treatment that you submitted for a client. The goal is to provide convincing evidence that the proposed treatment is the most reasonable and necessary for the client to achieve their goals using evidence and solid clinical reasoning.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product:</td>
<td>Written Piece</td>
</tr>
<tr>
<td>Format:</td>
<td>This task will have you complete a justification letter in response to a denial for use of an advanced technology for a client, where the request for the use of a cheaper option is suggested. You will need to formulate a response that justifies the proposed prescription using evidence-based practice concepts using the template found on Blackboard. You will need to discuss the various options, the supporting literature, and present the overall proposed treatment plan, including care/maintenance up to 3 years.</td>
</tr>
</tbody>
</table>
| Criteria: | Use of Evidence and Literature  
Critical Examination of Literature  
Presentation of Treatment Plan  
Justification of Prescription  
Professionalism – Writing and Grammar |
Assessment Task 2: Infographic on Advance Practice

**Goal:** This task will have you prepare an infographic to present to a specified audience that provides information (research, use, etc.) on an area of advanced practice (digital technologies) within P&O.

**Product:** Artefact - Creative

**Format:** You will be required to produce a one-page infographic poster on an area of advanced practice area (topics provided under assessment tab in Blackboard) that can be presented to your targeted audience (allied health professionals, consumers, etc.).

The infographic will need to introduce the audience to how digital technologies are being incorporated into a particular treatment area in P&O and provide an overview of how it is currently being used, the evidence related to its use and discuss challenges and benefits of the technologies for your target audience and treatment area.

More details are provided on Blackboard.

**Criteria:** Your will be assessed on:
- Quality of design of the resource
- Clarity of information and presentation to audience
- Accuracy of information and presentation
- Use of literature
- Professionalism

Assessment Task 3: Final Examination

**Goal:** The final examination will test your knowledge of the topics presented within the semester and how they relate to base knowledge required of any graduate clinician (materials, biomechanics, assessment/fitting techniques).

**Product:** Examination

**Format:** The final examination will consist of multiple choice, T/F, short answer questions on the topics presented in the course and will include 3-4 long answer/essay questions related to case studies and application.

**Criteria:** You will be assessed on your ability to:
- Professionalism
- Accuracy of written answers to assigned task

7. Directed study hours

The directed study hours listed here are a portion of the workload for this course. 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. Directed study hours may vary by location. Student workload is calculated at 12.5 learning hours per one unit.

<table>
<thead>
<tr>
<th>Location</th>
<th>Directed study hours for location:</th>
</tr>
</thead>
<tbody>
<tr>
<td>USC Sunshine Coast</td>
<td>Week 1-6: 2-hour lectorial, 4-hour workshop</td>
</tr>
<tr>
<td></td>
<td>Week 7: no class</td>
</tr>
<tr>
<td></td>
<td>Week 8: 2-hour Final Examination</td>
</tr>
</tbody>
</table>
8. **What resources do I need to undertake this course?**

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

8.1 **Prescribed text(s)**

Please note that you need to have regular access to the resource(s) listed below as they are required:

<table>
<thead>
<tr>
<th>Author</th>
<th>Year</th>
<th>Title</th>
<th>Publisher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lusardi, MM; Jorge, M; Nielsen CC</td>
<td>2013</td>
<td>Orthotics and prosthetics in rehabilitation</td>
<td>Saunders</td>
</tr>
</tbody>
</table>

8.2 **Specific requirements**

You will be required to purchase some tools to use. The list will be provided to you at the beginning of the semester. These tools will be used throughout the program and can be used in clinical practice after graduation. You will also be required to wear Program polo (available from USC Marketing), Student ID, approved pants, and closed toe shoes during client and/or professional guest encounters.

9. **Risk management**

Health and safety risks have been assessed as moderate, including the use of large machinery, chemicals, dust, noise, vibration, and thermal exposure. Specific risks are highlighted in the Prosthetic & Orthotic Student Laboratory Manual and safe use of the machinery and other risks will be reviewed. Review the USC’s health and safety principles by viewing the online induction training for students on Blackboard. Students will be required to maintain a high commitment to health and safety throughout the course. It is your responsibility as a student 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. It is also your responsibility to familiarise yourself with the University’s general health and safety principles by reviewing the [online Health Safety and Wellbeing training module 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 Blackboard, are electronically checked through SafeAssign. This software allows for text comparisons to be made between your submitted assessment item and all other work that SafeAssign has access to.
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%
b) The course is graded using the Standard Grading scale
c) 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:

- 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 after 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 Study help

In the first instance, you should contact your tutor, then the Course Coordinator. Additional assistance is provided to all students through Academic Skills Advisers. To book an appointment or find a drop-in session go to Student Hub.

Contact Student Central for further assistance: +61 7 5430 2890 or studentcentral@usc.edu.au

10.5 Wellbeing Services

Student Wellbeing Support Staff are available to assist on a wide range of personal, academic, social and psychological matters to foster positive mental health and wellbeing for your success. Student Wellbeing is comprised of professionally qualified staff in counselling, health and disability Services.

Ability Advisers ensure equal access to all aspects of university life. If your studies are affected by a disability, mental health issue, learning disorder, injury or illness, or you are a primary carer for someone with a disability, AccessAbility Services can provide assistance, advocacy and reasonable academic adjustments.

To book an appointment with either service go to Student Hub, email studentwellbeing@usc.edu.au or accessibility@usc.edu.au or call 07 5430 1226

10.6 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
- Administration of Central Examinations
- Deferred Examinations
- Student Academic Misconduct
- Students with a Disability

Visit the USC website:
http://www.usc.edu.au/explore/policies-and-procedures#academic-learning-and-teaching
10.7 General Enquiries

In person:

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

Tel: +61 7 5430 2890

Email: studentcentral@usc.edu.au