

<b>Module Code:</b>	NUR416
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<b>Module Title:</b>	Plaster Casting
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<b>Level:</b>	4	<b>Credit Value:</b>	20
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<b>Cost Centre(s):</b>	GANG	<u>JACS3</u> code:	B700
		<u>HECoS</u> code:	101324

<b>Faculty</b>	Social & Life Sciences	<b>Module Leader:</b>	Christine O'Grady
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Scheduled learning and teaching hours	36 hrs
Guided independent study	164 hrs
Placement	0 hrs
<b>Module duration (total hours)</b>	<b>200 hrs</b>

*Guidance - normally, the university would expect to see the following amounts of contact time and independent learning time for taught modules as part of its Modular Curriculum Framework;*

Level	Credit volume	Overall learning hours	Contact learning hours	Independent learning hours
Level 3	20 credits	200 hrs	40	160
Level 4	20 credits	200 hrs	36	164
Level 5	20 credits	200 hrs	30	170
Level 6	20 credits	200 hrs	24	176
Level 7	20 credits	200 hrs	21	179

Programme(s) in which to be offered (not including exit awards)	Core	Option
Standalone module aligned to BN (Hons) Nursing (pre-registration) for QA and assessment purposes	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<b>Pre-requisites</b>
None

**Office use only**

Initial approval: 27/06/2019

Version no:1

With effect from: 01/08/2019

Date and details of revision:

Version no:

**Module Aims**

This module aims to develop knowledge and understanding of the application and removal of casts. This will include the care and management of patients with fractures and orthopaedic conditions.

**Intended Learning Outcomes**

Key skills for employability

- KS1 Written, oral and media communication skills
- KS2 Leadership, team working and networking skills
- KS3 Opportunity, creativity and problem solving skills
- KS4 Information technology skills and digital literacy
- KS5 Information management skills
- KS6 Research skills
- KS7 Intercultural and sustainability skills
- KS8 Career management skills
- KS9 Learning to learn (managing personal and professional development, self-management)
- KS10 Numeracy

<b>At the end of this module, students will be able to</b>		<b>Key Skills</b>	
1	Demonstrate understanding and knowledge of the anatomy and physiology of the musculo-skeletal system and the holistic care of patients with fractures and orthopaedic conditions.	KS1	KS3
		KS9	
2	Demonstrate knowledge and understanding of the principles that underpin the safe and effective application and management of a cast.	KS1	KS2
		KS3	KS9
3	Demonstrate achievement of the core competencies for casting.	KS1	KS2
		KS3	KS9

**Transferable skills and other attributes**

Communication  
 Interpersonal skills  
 Working with and relating to others  
 Problem solving

**Derogations**

None

**Assessment:**

## Indicative Assessment Tasks:

**Assessment One**

The student will complete a portfolio of competencies in regarding to the application and removal of casts for patients with fractures and orthopaedic conditions.

**Assessment Two**

The student will undertake a thirty minute Observed Structured Clinical Examination (OSCE) which includes applying and removing a cast, demonstrating knowledge of the associated anatomy, physiology and safety of the patient including potential complications.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration or Word count (or equivalent if appropriate)
1	3	Portfolio	Pass/Fail	N/A
2	1 & 2	OSCE	100%	30 minutes

**Learning and Teaching Strategies:**

The learning strategies will include: lectures, practical sessions in the plaster room, group discussions, case studies and use of anatomy laboratory. Students will have access to the Moodle virtual learning environment for reading materials.

**Syllabus outline:**

Introduction to the care and management of patients with fractures and orthopaedic conditions/ Anatomy and physiology of the musculo-skeletal system/fractures to include, types treatment and complication/Health and Safety in the plaster/ casting room/Principles of casting and product guidelines/Safe application of casts to the upper limb, lower limb and trunk/Safe removal, bi-valving and trimming of casts.

**Indicative Bibliography:****Essential reading**

Atkins, E., Kerr, J., Goodlad, E. (2016) *A practical approach to musculoskeletal medicine assessment, diagnoses, treatment* (4<sup>th</sup> ed.) Edinburgh: Elsevier.

Clarke, S., Santy-Tomlinson, J. (2014), *Orthopaedic and Trauma Nursing- An evidence-based approach to musculo-skeletal care*. Chichester: Wiley Blackwell

Jenkins, G.W., Kemnitz, C.P., & Tortora, G.J. (2016), *Anatomy and Physiology: from science to life*. (4th ed.) Hoboken: John Wiley and Sons.

Miles, S., (2012) *A Practical Guide to Casting*. (3<sup>rd</sup> Ed.) Hull: BSN Medical Limited  
[https://www.bsnmedical.co.uk/fileadmin/z-countries/0-UK/old\\_site/PDF/P/Practical\\_Guide\\_2013\\_PRINT-Singles-Reduced.pdf](https://www.bsnmedical.co.uk/fileadmin/z-countries/0-UK/old_site/PDF/P/Practical_Guide_2013_PRINT-Singles-Reduced.pdf)

**Other indicative reading**

Solomon, L., Warwick, D., Nayagam, S. (2014), *Apley and Solomon's Concise System of Orthopaedics and Trauma*. (4<sup>th</sup> ed.) Boca Ratan: CRC Press.

Wilmott, H. (2016), *Trauma and Orthopaedics at a Glance*. Chichester: Wiley Blackwell.