

Course Report

1. Course Details		
Course Name:	Breast Sonography	
Course Name (Short):	Breast Sonography	
Subject Area:	Radiography(RADY)	
Catalog Number:	5002	
Course Level:	5	
AQF Course Level:	9	
Career:	PGRD	
Unit Value:	4.5	
Owner	Percent Owner	Primary Owner?
UniSA Allied Health & Human Performance(ALH)	100%	Y
Year of Introduction:	1992	
Study Period:	Semester 1 - 1992	
Implementation Date:	10 Feb 2023	
Is this Course available as a University Wide Elective?	N	
Grading Basis:	Graded	
Course Field of Education:	(061501) Radiography	
HECS Band:	Band 2	
Work Experience / Placement Type:	Does not involve clinical/work experience placement	
General Comments		
2. Course Prerequisite(s)		
Individual Course(s)-Common to All Programs		
Subject Area	Catalog Number	Course Name
RADY	5030	Ultrasound Physics and Instrumentation
Prerequisite Comment only		
This course can be completed alongside RADY 5030 to fit with a study plan		
3. Course Co-requisite(s)		
Corequisite Comment only		
Student must be involved in performing diagnostic breast ultrasound examinations, including interventional procedures.		
4. Syllabus statement		
Course Aim		
Enable the student to acquire the specific in-depth knowledge and develop the skills required to perform practical procedures in breast ultrasound		
Course Content		
Breast embryology, anatomy, physiology, pathology and sonographic appearances; male breast; role of breast ultrasound in diagnosis; imaging of breast prostheses; interventional techniques; artefacts; image optimisation; breast and axillary scanning techniques, including appropriate measurements and advanced techniques; communication skills – moral and ethical considerations; mammographic/ultrasound image correlation, basic MRI techniques and image appreciation and emerging advances in sonographic techniques.		
Course Objectives		
No	Objective	
1	Detail the anatomy, physiology and pathology of the breast with specific reference to ultrasound.	
2	Relate the role of ultrasound in the diagnosis of breast pathology to other diagnostic tests.	
3	Demonstrate a comprehensive and advanced knowledge of ultrasound equipment, emerging technologies and the quality management of equipment and diagnostic images.	
4	Demonstrate a comprehensive and advanced knowledge of breast and axillary scanning techniques.	
5	Correlate mammographic and breast ultrasound images.	
6	Discuss the moral and ethical considerations involved in breast ultrasound.	

No	Objective
7	Relate the role of other imaging modalities such as MRI to breast sonography including emerging sonographic techniques.

Graduate Qualities

	GQ1	GQ2	GQ3	GQ4	GQ5	GQ6	GQ7
1	Y	Y	Y	Y	Y	Y	N
2	Y	Y	Y	Y	Y	Y	N
3	Y	Y	Y	Y	Y	Y	N
4	Y	Y	Y	Y	Y	Y	N
5	Y	Y	Y	Y	Y	Y	N
6	Y	Y	Y	Y	Y	Y	N
7	Y	Y	N	N	N	N	N

5. Course Offerings

Offer No.	Delivery Mode	Partner Name	Location	Language	Teaching Method	Intensive Mode?
1	EXT		City East	ENG	Online	N

6. Staff

Staff assigned to the Entire Course

Primary Coordinator

Mrs Sandy Maranna

Staff Name	Study Period	Academic Role
Mrs Martha Barclay	Full Year	Administrator (Full)
Ms Gillian Carr	Full Year	Administrator (Full)
Dr Jessie Childs	Full Year	Administrator (Full)
Mrs Jeanette Cordwell	Full Year	Administrator (Full)
Ms Danielle Gericke	Full Year	Administrator (Full)
Dr Bec Perry	Full Year	Administrator (Full)
Miss Danijela Prso	Full Year	Administrator (Full)
Miss Bec Thornton	Full Year	Administrator (Full)
Mrs Cheryl Urek	Full Year	Marker

Staff assigned to Specific Offerings

Offering	Staff Name	Study Period	Academic Role
1. EXT, CEA, OL	N/A	N/A	N/A

7. Teaching & Learning Arrangements

Offering	Teaching & Learning Type	Duration	Frequency
1. EXT, CEA, OL	External	13 weeks	-

Is this Course required to be Timetabled in Syllabus Plus?

N

8. Course Assessment

1. EXT, CEA, OL

No.	Format	Domain	Type	Group Work	Length	Duration	Weighting	Sub-weighting	Obj.
1	Single	Written	Case study	N	2500 words	-	40%		1,2,3,4,5,6,7
2	Single (Continuous)	Written	Test/Quiz	N			25%		1,2,3,4,5,6,7
					-	40 mins		33%	
					-	40 mins		33%	
					-	40 mins		34%	
3	Multiple						35%		1,2,3,4,5,6,7
		Practical	Skills demonstration	N	-	60 mins		20%	

No.	Format	Domain	Type	Group Work	Length	Duration	Weighting	Sub-weighting	Obj.
		Written	Problem solving exercise	N	800 words	-		30%	
		Written	Reflection	N	500 words	-		25%	
		Oral	Presentation	N	-	10 mins		25%	

Authentic Assessment Statements

No.	Authentic Assessment Statement
1	
2	
3	

Additional Assessment Requirements

Students must pass each assessment component satisfactorily in order to obtain a pass for this course. Students will be required to pass practical assessments and will be required to keep a log book to record the number and quality of breast ultrasound examinations which have been performed. This should be signed by their supervising sonographer/radiologist. Number of satisfactory examinations required for log book to pass:

- 10 x full breast scans (both sides)
- 50 x targeted scans
- 5 x prosthesis scans
- 10 x interventional studies

These practical examinations should be completed within 6 months of completion of the theoretical portion of the course. A practical assessment proforma specifically designed for breast ultrasound studies will be circulated to all students and supervising sonographers/radiologists so they are aware of the minimum standard required for an examination to be assessed as being satisfactory.

Does this course comply with assessment policy?	Y
Has an Application for a Variation been Approved by the Academic Unit?	N/A
Date of Approval:	N/A
Approving Body:	N/A
Compliance Comments	

Non-standard Assessment Requirements

Is Supplementary Assessment available for this Course?	Y
Is Supplementary Exam available?	N
Is a final exam offered?	N

9. Textbooks

Course Textbook(s)	Authored by UniSA Staff member?
de Paredes, Ellen Shaw , 2007, Atlas of mammography, 3rd edn, Lippincott Williams & Wilkins	N
Stavros, A. Thomas , 2004, Breast ultrasound, 1st edn, Lippincott Williams & Wilkins	N