

Course Specification

Course Summary Information		
1	Course Title	MSc Medical Ultrasound
2	BCU Course Code	PT1005
3	Awarding Institution	Birmingham City University
4	Teaching Institution(s) (if different from point 3)	
5	Professional Statutory or Regulatory Body (PSRB) accreditation (if applicable)	Consortium for Accreditation of Sonographic Education (CASE)

6	Course Description
	<p>The course is suitable for radiographers, midwives, nurses and doctors. So if you're a qualified professional wanting to extend your expertise into ultrasound scanning, imaging and interpretation of diagnostic ultrasound images, this course could be for you. You'll gain the core skills of a sonographer from practising professionals. The course is also open to anyone with a health-based or science degree and an agreed clinical placement.</p> <p>Ultrasound is used as a first-line investigation, in diagnosis, monitoring and treatment of disease and pathology having a great input into patient care and management. Sonographers work mainly in Radiology and ante-natal departments but also in community settings. Sonographers scan patients/clients with a variety of diseases and conditions and, under departmental protocols, produce a written report on the scan which they have performed.</p> <p>What's covered in the course?</p> <p>As a student on this course you will develop the core skills of a sonographer including, patient care and communication; technical skills, including scanning and use of equipment; clinical knowledge to make an accurate diagnosis and reporting skills. You will be taught by practising sonographers to further enhance your skills professionally, personally and practically.</p> <p>A variety of learning and teaching methods will be used for your development into a technically competent, caring and knowledgeable sonographer. These skills will be developed in the classroom, by self-study, e-learning, on ultrasound simulators and on real patients in the clinical setting. Embedded into our teaching is to respect diversity, ensure equality and to apply a sound understanding of legal, ethical and professional issues to positively impact on care scenarios and delivery.</p>

7	Course Awards		
7a	Name of Final Award	Level	Credits Awarded
	Master of Science Medical Ultrasound	7	180
7b	Exit Awards and Credits Awarded		
	Postgraduate Certificate Medical Ultrasound	7	60
	Postgraduate Diploma Medical Ultrasound	7	120

8	Derogation from the University Regulations
	<ol style="list-style-type: none"> 1. For modules with more than one item of assessment, all items of assessment must be passed in order to pass the module. 2. Compensation of marginally failed modules is not permitted. 3. Condonement of failed modules is not permitted.

9	Delivery Patterns			
	Mode(s) of Study	Location(s) of Study	Duration of Study	Code(s)
	Part Time (MSc)	City South	4 years	PT1005
	Part Time (PG Dip)	City South	3 years	PT0861
	Part Time (PG Cert)	City South	2 years	PT0860

10	Entry Requirements
	<p>The admission requirements for this course are stated on the course page of the BCU website at https://www.bcu.ac.uk/.</p>

11	Course Learning Outcomes
1	Adapt and support the implementation of changes in practice, where justified, in order to improve the patient experience, improve service delivery and drive the profession forward within an ever changing healthcare environment.
2	Demonstrate a critical knowledge of the requirements of a qualified practicing sonographer, these issues include: medico-legal, ethical, communication, consensual and organisational requirements, and patient safety.
3	Develop the qualities, reflective skills and desire to continue to learn and undertake appropriate further professional training once qualified, to the benefit of self, patient and healthcare team.
4	Integrate and analyse evidence to underpin practice and remain at the forefront of the profession to benefit of self, profession and patient.
5	Demonstrate knowledge and understanding of the theory and application of medical ultrasound.
6	To undertake a dynamic, proficient ultrasound examination within a range of ultrasound modalities, acquiring suitable anatomical images and accurate measurements where appropriate.
7	Demonstrate the ability to interpret the ultrasound findings and apply them to the clinical presentation, in order to produce a differential diagnosis, recognising and working within their scope of practice.
8	Apply knowledge of anatomy, physiology and pathology to clinically complex situations in a focussed area of ultrasound.

9	To demonstrate the awareness / underpinning knowledge of personal safe practice to reduce the risk of Work Related Musculoskeletal Disorders.
10	Demonstrate an awareness of patient safety in the clinical setting.
11	Critically appraise the role of the sonographer within the multidisciplinary team, and communicate effectively with other members to promote patient care
12	Verbally communicate a clinical report to clinicians and other professionals, working effectively in a multidisciplinary team.
13	Recognise the advantages of interdisciplinary working in the clinical department in order to optimise patient care.
14	Recognise professional scope of practice and make referrals where appropriate;
15	Produce a clear, concise written report for the referring clinician, with guidance for patient management where appropriate.
16	Recognise and escalate unexpected and clinically significant findings which result from the ultrasound examinations undertaken.
17	Where appropriate discuss the ultrasound findings directly with the patient, clearly, empathetically and using appropriate terminology.
18	Contribute to risk management activities such as; clinical discrepancy audit , equipment evaluation and other quality assurance procedures;
19	Demonstrate an awareness of the worldwide role of ultrasound and the role of the sonographer, in the production of a differential diagnosis
20	Demonstrate an awareness of how to adapt behaviours in accordance with diverse patient needs.
21	Demonstrate an awareness of historic and social processes which can impact on the lives and collective experience of minority and diverse groups.