



Commonwealth Open University

design your career in
Medical Ultrasound

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You have the opportunity to present yourself beside the patient when they will really need you for a proper diagnosis. Join today in the course of medical ultrasound to make a real difference by acquiring knowledge in imaging and expertise in diagnosis.

Commonwealth Open University (COU) offers you courses in medical ultrasound those will prepare you to pursue a sonography career in its best form. Courses in Medical Ultrasound start with fundamentals and basics of ultrasound studies. Therefore, you will be able to learn in a systematic way. Guided and supervised hands-on training is also included in the curriculum.

COURSE STRUCTURE

LEVEL 1	LEVEL 2	LEVEL 3
Registration and initiation <ul style="list-style-type: none">• Complete enrollment with the university• Attend theoretical part via online as assignments.• Complete all the modules and attend online exam.	Hands-on practical <ul style="list-style-type: none">• Guided scanning practice under a supervisor• Practice at least 6 hours per week• Maintain logbook for documentation	End of course & earn degree <ul style="list-style-type: none">• Attend study center for observation and clinical assessment• Attend final exam• Complete logbook/final thesis to earn degree

Courses

Post-graduate Diploma in Medical Ultrasound (PG DMU)
Master of Science in Medical Ultrasound (MSc.)

Study mode

Online

Intakes

January
July

Duration

PG DMU: 1.0 ~ 2.5 years (part time)
MSc: 1.5 ~ 4.0 years (part time)

Eligibility

Graduates of Medicine, Nursing, Radiology/Radiography, Nuclear Medicine or other Health Sciences

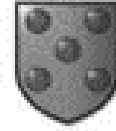
Payment of fees

PG DMU: € 2250
MSc: € 3900

Scholarship/waiver of tuition fee is available for the deserving candidates. Special offer is available for group enrollment. Tuition fees can be paid in installment upon payment of 1st installment.

Process of application

Interested candidates from related disciplines are advised to [apply](#) for enrollment. Applications are assessed case-by-case. Send enquiry to: admissions@off-campus.org



Basics of Medical Ultrasound

- Introduction: Basics of ultrasound, scanning planes and documentation (image printing & report writing)
- Cross infection and its prevention, patient safety
- Ultrasound physics

Brain, Chest & Small Parts Ultrasound

- Neonatal brain ultrasound
- Ultrasound of chest and lung
- Ultrasound scanning of scrotum
- Ultrasound scanning of breast
- Ultrasound scanning of thyroid and salivary glands

Vascular Ultrasound

- Vascular ultrasound of carotid artery and vertebral artery
- Vascular ultrasound of lower limb venous system: DVT and varicose vein
- Vascular ultrasound of lower limb arterial system: Peripheral vascular disease

Gynae & Obstetric Ultrasound

- Ultrasound scanning of uterus: Normal anatomy and related disease
- Ultrasound scanning of uterus: Abnormal uterine bleeding
- Ultrasound scanning of adnexa
- Transvaginal ultrasound
- Obstetric ultrasound: General aspects and first trimester pregnancy
- Obstetric ultrasound: Estimation of gestational age in third trimester
- Obstetric ultrasound: Assessment of amniotic fluid and placenta
- Obstetric ultrasound: Biophysical profile scoring
- Level -II obstetric ultrasound (anomaly scan)
- Obstetric Doppler ultrasound: Protocol, methods and interpretation

Musculoskeletal Ultrasound

- Musculoskeletal ultrasound: Basic aspects
- Musculoskeletal ultrasound of shoulder (rotator cuff)
- Musculoskeletal ultrasound of knee and ankle
- Musculoskeletal ultrasound of wrist

Abdomen Ultrasound

- Retroperitoneum: Abdominal aorta and inferior vena cava (IVC)
- Ultrasound scanning of hepatobiliary system: Normal anatomy, developmental variant and related disease
- Ultrasound scanning of hepatobiliary system: Liver parenchymal disease
- Ultrasound scanning of hepatobiliary system: Solid and cystic lesions
- Ultrasound scanning of hepatobiliary system: Gallbladder and biliary tract diseases
- Ultrasound scanning of hepatobiliary system: Spleen and pancreas
- Ultrasound scanning of urinary system: Normal anatomy, developmental variant and related disease
- Ultrasound scanning of urinary system: kidney disease
- Ultrasound scanning of adrenal gland
- Ultrasound scanning of urinary system: Urinary bladder and prostate
- Ultrasound scanning of gastrointestinal tract (GIT)



SCAN SKILL DEVELOPMENT

Commonwealth Open University is caring about development of scanning skill and diagnostic accuracy of the students. Therefore, each student will be placed in a clinical setting for 2 ~ 4 weeks (depending on the need and availability) for supervised intensive training and observation of ultrasound scanning session.

ALTERNATIVE PATHWAYS

- Graduates in Diploma in Medical Ultrasound can upgrade into MSc. by completing thesis.
- Students enrolled into PG DMU can exit with MSc by completing thesis.
- Experienced candidates can get the opportunities to complete the course in fast-track (conditions applicable)

CAREER OPPORTUNITIES

- Position of sonographer is a highly paid job in public or private sectors
- Graduates can be engaged in general, vascular, obstetrics and gynaecology, paediatrics or musculoskeletal ultrasound practice
- Jobs are open as application specialist or commercial ultrasound sales representative in the medical equipment manufacturer and sales company
- Management or teaching associates are highly paid & honorable job in the field of medical ultrasound