



Graduate Certificate in Interventional Imaging and Practice

2 Trimesters | Part-Time

Course code: X622 (Sep)



Introduction

This 30 credit programme will lead to a graduate certificate in Interventional Imaging and Practice. It will cover the fundamental aspects of Interventional Radiology; current IR technology; radiation safety; patient care and IR procedures. This programme is designed for radiographers working in the speciality of Interventional Radiology.

It aims to provide students with an in-depth knowledge of both the service and the clinical

practice within IR. It will equip students to respond to the rapidly changing and evolving nature of this Radiology sub-speciality.

This course is designed for radiographers currently working in IR, who wish to develop their knowledge and expertise in this field. Applicants should have at least one year post-qualification experience and be working in the IR department over the duration of the course.

Programme Highlights

- Addresses both theoretical and clinical practice in Interventional Radiology (IR)
- Addresses new and evolving technological developments in the field of IR
- Develops clinical and critical thinking skills
- Accommodates working professionals as the material is predominantly delivered through an e-learning environment

Course Content and Structure



What will I learn?

There will be a systematic approach to discussing the interventional procedures currently performed in Irish hospitals focussing on promoting both professional knowledge and quality of service in the interventional radiology environment. This programme aims to develop each student's knowledge and understanding of the aetiology of the disease processes that present in the IR department, their compatibility with radiological intervention, the possible procedural risks and complications and the expected outcomes for each patient. It will demonstrate the integration and application of imaging procedures, technologies and medical devices in the treatment and management

of disease. It will also provide each student with a comprehensive knowledge of cross sectional anatomy. Furthermore this programme aims to enable students to develop a comprehensive understanding of the physical principles of a range of IR technologies and how these contribute to disease assessment, management and follow-up. A focus will be placed on current and future trends in IR imaging and an appreciation of the associated advantages together with the inherent pitfalls and limitations. Topics addressed include; image acquisition, image processing, image manipulation, clinical applications, dosimetry and equipment design in the IR environment. It also aims to develop an understanding of the importance of quality assurance for IR technology.

Why study at UCD?



Graduate Education

12,000 graduate students; 17% graduate research students; structured PhDs



A Leading Global University

Ranked within top 1% of higher education institutions world-wide



Global Careers

Dedicated careers support; 2 year stayback visa to work in Ireland



Global Community

8,500 international students and 300,000 alumni network across 165 countries



Global Profile

UCD is ranked in the top 1% of higher education institutions worldwide



Welcoming Campus

Modern parkland campus with 24 hr security. Wide range of facilities, clubs, societies and supports

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