



Job Description

Assistant Professor in Data Literacy and Analytics School of Computing Three Year Fixed Term Contract

Introduction

Dublin City University (www.dcu.ie) is a young, dynamic and ambitious university with a distinctive mission to transform lives and societies through education, research and innovation. We are a research-intensive, globally-engaged institution, distinguished by both the quality and impact of our graduates, and focus on the translation of knowledge into societal and economic benefit. Excellence in education and research activities has led to DCU's consistent presence in the rankings of the world's top young universities.

Over its relatively short history has developed a strong reputation nationally and internationally for pioneering innovations in higher education. The university is embarking on a period of significant investment in learning innovation across all of its Faculties. This initiative will help us transform the learning experience of undergraduate students at DCU, reconceptualizing learning opportunities, creating authentic connections between the classroom and enterprise, and embedding digital literacies, disciplinary competencies and transversal skills required to ensure that our graduates are prepared for the rapidly changing workplace. DCU is joined in this project by a strong consortium of enterprise partners, representing key employment sectors in the Irish economy and with a strong presence in DCU's primary catchment area. This programme of innovation is funded under the Irish government's Human Capital Initiative (HCI) supported by the National Training Fund. It will deliver on the ambitions we have to reimagine undergraduate curricula and to embed innovative pedagogies, enhanced use of technology and deep industry engagement.

School of Computing

The School of Computing at Dublin City University has earned a strong reputation for excellence in research and teaching. In addition to its existing programmes the B.Sc. in Computer Applications degree, the B.Sc. in Enterprise Computing, the new and innovative BSc in Data Science is the first of its kind in Ireland, and is aimed at students who are interested a career in Big Data, data analytics and related data science roles. We also offer a range of innovative taught programmes aimed at producing graduates with the professional and personal skills most sought after in the Information Economy.

The School also enjoys a lively, engaging environment for research in many areas of computing, with its numerous Ph.D. and M.Sc. research students producing work of significance at both national and international level. With close industry links and fee support for EU students, the School's teaching and research programmes reflect the current and anticipated needs of Ireland's industrial and

commercial sectors while at the same time meeting the most rigorous national and international academic standards

Role Profile

As part of the HCI initiative, the School of Computing is now hiring an Assistant Professor in the area of Data Literacy and Analytics. While maintaining a close alignment with the School of Computing, the successful candidate will be seconded full-time to work with the Dean for Strategic Learning Innovation and the Transversal Skills Programme Director, with the primary aim of implementing part of the transversal skills programme across new and existing programmes.

Duties and responsibilities

The appointee will be expected to contribute directly to the implementation of this innovative curriculum project, specifically in the following areas:

- Developing online and hybrid curricula in the area of Data Literacy and Analytics
- Delivering and assessing modules relating to data literacy and analytics
- Collaborating with internal stakeholders and external partners in the development of teaching content
- Collaborating with multiple programme teams regarding the integration of content into programmes
- Creating relevant competence frameworks and rubrics relating to curricula
- Developing data visualisation outputs relating to the overall transversal skills framework
- Assisting in the design and development of a digital platform which will focus on representing the development of students' transversal skills

Specifically, the successful applicant will be required to (inter alia):

Teaching and Learning:

Prepare, deliver and assess a range of core subjects in a manner consistent with DCU's high academic standards and in a hybrid environment which involves campus and elements of remote delivery.

Teaching extends to supporting innovation in curricula development. Typical activities include

- Contributing to the design and development of new programmes
- Developing and delivering new or reconceptualised modules and resources
- Designing and assessing examinations and other types of coursework
- Using a wide range of teaching and assessment methodologies which foster a deep approach to learning and equip students with the skills and attributes needed to be lifelong learners, including challenge-based learning and concentrated and immersive learning experiences.
- Co-designing with other academics and industry partners a suite of tools and initiatives that support the transversal skills pathway and embedding transversal skills development, diagnostics and assessments into new and existing programmes
- Supervision of laboratory sessions, and student mentoring.
- Proactive engagement with the renewal of existing courses and programmes.
- Engagement with professional development for teaching particularly in that related to the approaches embedded in the project.

Research:

He/she will be expected to sustain and conduct research, engage in scholarship of quality and substance, generate research income, supervise postgraduate students and publish to the highest

international standard both individually and, where appropriate, in collaboration with colleagues in DCU and elsewhere. The appointee will be expected to have clearly articulated research interests and research profile development plans that support research priorities of the HCI initiative and the School of Computing, and which will underpin senior modules and projects related to the new degree programme(s) or specialisms.

Contribution to the School, Faculty, University and Profession:

Examples include:

- Engagement with planning, quality review and improvement processes, and external programme accreditations.
- Involvement with appropriate professional bodies and associated initiatives.
- Adoption of some administrative functions related to the activities of the School, the Faculty, and the wider University. Such duties will be defined by the Head of School and the Dean for Strategic Learning Innovation.

Applicant Requirements

- Applicants must hold an honours degree in a relevant discipline, and should be qualified to a post-graduate level with a PhD specialism in Data Literacy, Data Analytics, or a suitable relevant discipline.
- The successful candidate should ideally have a minimum of three years' relevant post-doctoral experience.
- Applicants must have demonstrated teaching experience at undergraduate and/or postgraduate level, ideally including experience in innovative pedagogies and/or assessments, international and/or online or technology-assisted teaching.
- Applications should have strong research credentials and an appropriate publication record in relevant areas.
- Applicants should demonstrate excellent interpersonal and communication skills consistent with the highest quality of teaching and learning. They should also have the ability to collaborate effectively with colleagues from across multiple disciplines.
- Applicants should have a strong work ethic, demonstrate personal initiative, and be capable of working independently and as part of a team.

Mandatory Training

The post holder will be required to undertake the following mandatory training: Orientation, GDPR and Compliance. Other training may need to be undertaken when required.



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