



Job Description

Senior Lecturer – Artificial Intelligence in the Department of Computing and Mathematics

All Senior Lecturers

All Senior Lecturers are required to contribute to education, academic citizenship and leadership, and knowledge exchange.

Education

Senior Lecturers will develop, deliver and help to lead undergraduate and postgraduate programmes in line with the Faculty's teaching strategy and participate in the overall contribution to enhancing the student experience, as well as the reputation of the University for Teaching Quality and success. They will:

- Teach on courses at a range of levels within the faculty; promoting skills in critical and rational thinking.
- Develop appropriate assessments, supervise, mark, and examine projects, student dissertations and practical work, providing support and guidance on academic and pastoral issues and act as a Personal Tutor to students.
- Lead the overall review and development of high quality programme content in response to student feedback and new developments in the relevant field.
- Undertake leadership roles which may include programme and unit leadership, and coordinate the work of colleagues to ensure programmes are delivered to a high standard.

Academic Citizenship and Leadership

Senior Lecturers will promote the department, faculty and University by supporting a range of departmental activities. They will:

- Develop and implement effective quality assurance procedures.
- Work collaboratively and support and mentor colleagues and act as a role model to develop high quality working practices.
- Contribute to management processes and planning to promote and incorporate the student voice into departmental decision-making.
- Contribute to widening participation, schools outreach, and public understanding of the relevant area.
- Attend relevant meetings, panels and boards to contribute to decision making and develop productive working relationships across teams.
- Support a range of departmental activities such as recruitment and admissions, open days and other student events and use these activities to gain a better understanding of student needs and expectations.
- Provide support and pastoral care to students.



- Engage in training programmes in the University (e.g. through Staff Development) which are consistent with your needs and aspirations and those of the department.
- Engage fully with the annual Performance and Development Review (PDR) process.
- Undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.

Knowledge Exchange

Senior Lecturers will seek knowledge transfer and business engagement opportunities to support the development of knowledge in the relevant area, to generate income, share best practice, and use knowledge to improve graduate employability with an overall aim to enhance the reputation of the University. They will:

- Build opportunities for income generation through partnership working and knowledge exchange.
- Incorporate substantial industry knowledge into the curriculum to enable relevant and up-to-date learning to enhance graduate employability.

In addition to the above requirements, Senior Lecturers will pursue one of two equally valued pathways for academic progression:

- **Education, Pedagogy and Citizenship (EPC) Pathway** – emphasising knowledge, skills and expertise in education, pedagogy and citizenship, with no significant responsibility to undertake research.
- **Research, Education and Citizenship (REC) Pathway** – emphasising knowledge, skills and expertise in research, education and citizenship.

Education, Pedagogy and Citizenship (EPC) Pathway

Senior Lecturers undertaking the EPC pathway will have a strong pedagogical approach to teaching and learning, which develops, applies, innovates and exports the understanding of effective university teaching and student support. They will:

- Embrace new technological developments that support learning and teaching and incorporate them into best practice.
- Develop new programme proposals and take a leading role in the design of teaching programmes more widely in the Faculty.
- Lead the review and development of teaching and learning methods and disseminate new approaches.
- Play a significant role in the development of best practice (including, for example, peer observation and teaching mentoring initiatives) which enhances the quality of the teaching of others, and consequently student outcomes.
- Co-create teaching, learning or assessment methodologies involving students and/or external partners.



Research, Education and Citizenship (REC) Pathway

Senior Lecturers undertaking the REC pathway will plan, carry out and supervise research, using appropriate methodology and techniques, which result in high quality publications at acceptable levels of volume and academic excellence eligible for inclusion in the Universities return to the Research Excellence Framework (REF). They will:

- Secure funding to undertake research at this quality threshold at a level appropriate to the discipline (number, size and source of awards) as a principal investigator.
- Generate impact from research in terms of its reach and significance, through partnerships with users of research beyond academia, with regard to the economy, society, culture, public policy or services, health, the environment, or quality of life, as appropriate.
- Build an extensive publishing record of research in high quality peer reviewed journals or monographs, or publish/exhibit professional practice.
- Develop novel methodologies and techniques appropriate to the research.
- Apply knowledge in a way that develops new intellectual understanding.
- Referee and peer review articles for academic journals and grant applications by research councils or other major funding bodies.
- Provide mentoring and supervision to research students and mark and examine their work.
- Contribute to the development and implementation of research strategies in the Department.

What we are looking for

- A good first degree together with a **PhD** in a relevant discipline
- A PGCE, Certificate of Education, PGCLTHE or Fellowship of the Higher Education Academy or an agreed professional equivalent (or commitment to obtain within three years of initial appointment).
- Membership of relevant Professional bodies, demonstrating professional standing.
- An in depth understanding of the subject *Computer Science* including recent developments in *Artificial Intelligence*.
- Commitment to the University's strategic objectives, with a focus on supporting the student experience.
- Commitment to the University's policies and procedures including promoting equality in own area of responsibility and in general conduct.

In some circumstances, we will consider applicants who do not have these qualifications but are committed to obtaining them and have equivalent significant attainment in their professional field.

What you will bring to the role

Education

- Experience of mentoring colleagues on new learning and teaching methods.
- Ability to lead a team and coordinate resources in order to fulfil additional roles such as programme leader.



- Substantial experience of teaching effectively and providing a stimulating environment for learning and teaching to motivate, inspire and challenge students.
- Ability to design, deliver, assess and revise teaching programmes.
- Experience and success in developing new approaches to learning and teaching methods.

Research

- Substantial experience of using initiative, creativity and judgement when undertaking research and scholarly activities in an area that fits with the University's Research/Practice Strategy such as:
 - Preparing successful proposals and applications to external bodies to secure funding.
 - Publishing results of research in peer reviewed journals or monographs, or publishing or exhibiting professional practice.

Academic Citizenship and Leadership

- A proven track record of contributing to the overall success of own and wider academic departments.
- Excellent communication skills with experience of developing networks and contributing to the development of better working practices.
- Ability to utilise knowledge and understanding of Student's needs to promote, and incorporate the student voice into Faculty decision making through management processes and planning.
- Experience of developing and implementing effective quality assurance procedures.

Knowledge Exchange

- Demonstrable experience of income generation through knowledge exchange, enterprise and similar activity.
- Experience of and commitment to develop partnerships to further research, research led teaching and knowledge exchange/enterprise in a competitive environment.