JOB DESCRIPTION

Job Title: Lecturer in Computing

Grade: AC2

Department: FES, School of Computing & Mathematical Sciences

Responsible to: Head of School of Computing and Mathematical Sciences

Responsible for: N/A

Key Contacts:

Academic Portfolio Lead; Programme Lead; School Management Team, Faculty Administration, School Partner Institutions.

Standard Occupational Classification (SoC Code): TBC

Non-Contractual Nature of Role Profile: This role profile is non-contractual and provided for guidance. It will be updated and amended from time to time in accordance with the changing needs of the University and the requirements of the job.

PURPOSE OF ROLE

To conduct high quality research and teaching on undergraduate and postgraduate programmes and contribute to subjects such as Project Management, Software Engineering, Web Application Development, Requirements Analysis and Management, Cyber Security, Human-Computer Interaction, and Data Analytics, Data Science, Machine Learning and Artificial Intelligence (AI). You may also be expected to teach in related areas or help tutor across the school's diverse portfolio and ensuring that the modules adhere to accreditation standards set by the British Computer Society (BCS). The role is initially expected to have a strong focus on Level 4 teaching and will include delivery of modules in Term C (from April to July).

The role will focus on delivering high quality education in a variety of formats ads well as research and enterprise activities. The person appointed will be expected to:

- Contribute to the delivery of existing teaching, course development, and to participate in the research carried out in the school.
- Contribute more widely to the design and delivery of teaching activities appropriate for the needs of a diverse student body; across the range of courses offered by the school.
- Engage in research and professional practice across the subject area and contribute to the research profile of the school and to the University's REF submission and at least one of the faculty's research groups.

KEY ACCOUNTABILITIES

Team Specific:

- Contribute to the delivery of high quality, innovative and effective teaching and new teaching initiatives, including inclusive approaches to setting and marking assessment.
- Contribute to the teaching on the Computing Programme including inclusive approaches to setting and marking assessment
- Lead on personal and academic tutoring of undergraduate and postgraduate students.
- Lead and support others in the design and develop of new courses/modules demonstrating excellent curriculum design.
- Contribute to curriculum development within the school.

- Contribute to subject, professional and/or pedagogical research leading to the publication and/or dissemination of original work.
- Contribute to the research profile of the academic unit and to the REF submission of a faculty research group.
- To contribute to the development of funding bids which contribute to the acquisition of internal and external resources to fund research, enterprise or teaching projects.
- Contribution to the continuous improvement of the student experience and Lead courses/modules effectively including adopting a responsive approach to students.
- Effective cross working with Professional Services to support students.
- Contribute to relationship management and engagement with key external bodies for teaching at a regional and national level; the national or regional public/cultural sectors/business and industry/professional bodies in relation to teaching, research or enterprise.
- Maintain effective, high quality and productive working relationships with professional bodies and employers.
- Supervision of undergraduate and postgraduate students.
- Work with other academics and the administrative teams to deliver excellent student care and support student success and employability.
- Contribute to the general academic administrative work of the School and Faculty.

School Specific:

- Demonstrate flexibility by delivering high quality teaching, research and enterprise activities in a range of formats, across all disciplines and at all academic levels in the School of Computing and Mathematical Sciences.
- Deliver effective teaching and learning provision suitably focussed for a wide range of student demographics and cohort sizes (typically 50 to 400+ students at a time). This provision will include lectures, practical, tutorials, seminars/workshops or other teaching, research or outreach events as may be required.
- Display resilience and adaptability to changing circumstances by the active support of a range of initiatives to promote collaboration, outreach and partnership activities across the school.

Generic:

- Assist the School in achieving its KPIs.
- Contribute to School plans, activities and efficient working practices.
- Participate in visits to schools, local community groups, public engagements and related activity.
- Demonstrate a commitment to equality, diversity and inclusion through teaching practice and/or engagement with university initiatives.
- Contribute to peer review and school based teaching development activities.
- Promote your work and represent your discipline and the work of the University internally and externally, and take a proactive approach to ethical, good practice.

Managing Self:

- Develop expertise in inquiry/research-informed teaching with an increasing degree of autonomy.
- Keep abreast of developments within the field and seek continuous improvement of own professional practice.
- Actively participate in established professional development framework activities.
- Behave in a manner which reflects the University values and creates a positive environment for work and study.
- Maintain a high standard of student engagement and satisfaction.
- Seek to maximise the learning outcomes of students.

Core Requirements:

- Adhere to the University's policies on Equality, Diversity and Inclusion and Information Security.
- Ensure compliance with Health & Safety, Data Protection and Equality Legislation.
- Adhere to the university's Sustainability policies, including the Carbon Management Plan, and carry out duties in a resource efficient way, reflecting the shared responsibility of minimising the university's negative environmental impacts wherever possible.
- Adhere to current legal requirements and best practice relating to digital content and accessibility, including Web Content Accessibility Guidelines when creating digital content.

Additional Requirements:
Undertake any other duties as requested by the line manager or appropriate senior manager, commensurate with the grade.

This is a professional, demanding role within a complex organisation with an ambitious strategic plan and agenda for change. The role holder will be expected to show flexibility in working arrangements, including working hours, to ensure that the School of Computing & Mathematical Sciences delivers the required level of service.

Freedom of speech and academic freedom:
In any matter falling under this job description, the university will have particular regard to, and place significant weight on, the importance of freedom of speech within the law, academic freedom and tolerance for controversial views in an educational context or environment. The University's commitments to freedom of speech and academic freedom are set out in the Freedom of Speech Code of Practice. In the event of any conflict between this job description and the Freedom of Speech Code of Practice, the Freedom of Speech Code of Practice will take precedence.

KEY PERFORMANCE INDICATORS:
Performance Indicators will be established in consultation with the Head of Department as part of the post-holder's annual Appraisal and Professional Development Review.

KEY RELATIONSHIPS (Internal & External):

- Senior managers and their schools, research groups, administrative and technical/support staff
- Directorates of the University
- Other Faculties of the University
- Partner Colleges
- Local, national, and international collaboration partners

PERSON SPECIFICATION

EXPERIENCE:

Essential Criteria

- Delivery and/or leading at undergraduate and/or postgraduate level in Computing and Business Computing modules and related areas that support these subjects.
- Conducting high quality, innovative and effective teaching on postgraduate and undergraduate programmes.
- Leading courses/modules effectively including adopting a responsive approach to students.
- Leading and contributing to subject, professional and/or pedagogical research and other scholarly activities in related fields.
- Student care and pastoral provision.

Desirable Criteria

- Undergraduate and Postgraduate teaching /supervision.
- Creating professional/community partnerships.
- Ability to teach across disciplines.
- Leading on external accreditation activity.
- Designing and leading significant teaching and assessment activity.
- High quality publications.
- Initiating the development of Research bids.

SKILLS:

Essential Criteria

- Ability to engaged with and respond to student feedback.
- Outstanding organisational, IT communication and interpersonal skills.
- Strong technical experience in at least one of: Requirements Engineering, Systems Analysis and Design, AI and Data Science, Project Management, Requirements Specification and Elicitation, Requirements Management.
- Strong programming skills in one or more languages relevant to the school's curriculum, such as Python, Java, C#, JavaScript/TypeScript, R or equivalent.
- Knowledge and practical experience of relational and non-relational databases, SQL, data modelling and modern data architectures, with experience of relevant cloud data platforms or distributed-processing technologies (e.g. PostgreSQL, SQL Server, MongoDB, Spark, Databricks, BigQuery, AWS, Microsoft Azure, Google Cloud.).
- Knowledge of big data technologies, cloud computing, and responsible and ethical AI, Deep Learning, Data Analytics and Data Visualisation Tools and Techniques.
- Ability to engage constructively with student feedback and use appropriate evidence to enhance teaching, assessment and the student experience.
- Outstanding organisational, IT, communication and interpersonal skills.

Desirable Criteria

- Some experience with enterprise-scale database management and data analytics, including Artificial Intelligence (AI) and Machine Learning (ML) methods.
- Individual and/or collaborative income generation.
- Application for research funding and other bids.

QUALIFICATIONS:

Essential Criteria

- PhD A master's degree as minimum qualification OR substantial industry experience with an appropriate professional qualification.

Desirable Criteria

- PhD in Computing, Computer Science, or a related field
- Teaching qualification (e.g., PGCert in Higher Education, Fellowship of HEA) or relevant professional training, workplace learning or transferable educational experience.

PERSONAL ATTRIBUTES:

Essential Criteria

- We are looking for people who can help us deliver the values of the University of Greenwich: Inclusive, Collaborative and Impactful.
- Ability to work independently and as part of a team.
- Enthusiasm for engaging with students and improving the learning experience.

Desirable Criteria

- Adaptability and willingness to contribute across a range of Computing subject areas and levels.
- A collaborative and collegial approach to curriculum development, teaching and academic administration.
- Ability to work effectively with diverse student cohorts and support students from a wide range of educational and cultural backgrounds.
- A proactive approach to student engagement, retention, progression and employability.
- Willingness to engage with industry, professional bodies and external partners.
- Commitment to ongoing professional development and keeping subject knowledge current.
- Resilience and the ability to respond positively to changing academic and organisational priorities.