



Lecturer in Mechanical Engineering

RGU, School of Engineering

Job Summary

Transforming today's technology for tomorrow's world - that's the ethos at Robert Gordon University's School of Engineering. We combine a wide range of expertise in Engineering with purpose built facilities and strong commercial links. We work closely with local, national and international companies to ensure that we continue to provide professional learning that meets the demands of employers. The result is an impressive suite of degree programmes at all levels.

Contributing to the delivery and development of the School's portfolio of courses, you will also actively engage in research and/or consultancy. You will need an Engineering related PhD, together with experience of teaching and research in UK Higher Education in Mechanical Engineering. We are particularly interested in the areas of Manufacturing, and/or Design and Manufacture Engineering.

Research in Engineering at RGU is broad based covering many Engineering subjects including; Materials, Flow Modelling, Thermo/Fluids, Monitoring and Maintenance, Membrane Technology, Petroleum Engineering, Renewables and Communications & Autonomous Systems. Further information can be found at;
<https://www.rgu.ac.uk/research/research-degree-topics/1077-engineering>

We have very strong links with Industry and most of our research includes industry funding. We aim to continue to improve our research performance as the best modern University, School of Engineering, in Scotland.

A Disclosure Check will be requested for the successful applicant. For more information, visit: <https://www.mygov.scot/standard-disclosure/>

We would particularly welcome applications from women as they are under-represented in this area of our workforce.

Salary on appointment will be dependent upon experience.

Candidates with limited/no lecturing experience will be placed on the first point of the scale, although consideration will be given to a market supplement (reviewed bi-annually) for those with specific industry experience.

Closing Date: 06 September 2019

Job Description

RESPONSIBLE TO: Head of School

RESPONSIBLE FOR: N/A

PURPOSE OF POST: To contribute to the delivery and development of the School's portfolio of courses, and to actively pursue research/consultancy activities relating to Mechanical Engineering.

PRINCIPAL DUTIES:

Participates in the delivery and development of the School's portfolio of courses including, course delivery and assessment, maintenance of course documentation, compliance with course review and validation procedures, student attendance, course advertising and recruitment, etc.

Carries out designated teaching (e.g. via lectures, seminars, tutorials, workshops, laboratory work, field trips, practicals etc.) and assessment duties in areas of expertise, or as otherwise required by the Head of School

Participates in the development and preparation of teaching materials Provides tutorial and personal guidance for students Supervises undergraduate and postgraduate projects Develops and maintains expertise in subject areas

Participates in relevant subject and course development

Participates in curriculum development and, in particular, contributes to the introduction of new methods of teaching and learning

Undertakes for Course Leadership responsibilities, if required, and carries out all duties associated with the management of the course

Undertakes appropriate administrative responsibilities (e.g. year tutor, student selection, examination organisation, placement organisation, timetabling, maintaining attendance records, assessment results etc.)

Assists in the supervision and visiting of students during their periods of work experience/placement

Participates in the promotion and marketing of the School and its courses to local, national and international clientele (including student recruitment)

Maintains working relationships with other Schools/Departments/Units within the University, as necessary, for the smooth operation and continued development of the School and its courses

Actively participates in and suggests relevant staff development activities

Actively pursues research activities (e.g. writing for publication, developing own research, supervising research students, establishing externally funded research projects, presenting at conferences etc.)

Engages with other staff, wherever possible, in consultancy activities relevant to the School

Establishes and maintains relevant professional and industrial links, as necessary, for the effective operation of the School's courses

Represents the School on relevant University committees and the School and University on external committees

Carries out such other related duties as may be required by the Head of School

Candidates with limited/no lecturing experience can still be considered but will work to the Developing Academic. Full details of the role can be found in the attached PDF.

Person Specification

ESSENTIAL REQUIREMENTS

Knowledge

Knowledge of Mechanical Engineering including Manufacturing, Engineering Design or similar.

Experience

Experience relating to Mechanical Engineering – in the field of manufacturing or engineering design

DESIRABLE REQUIREMENTS

Qualifications and Professional Requirements

PhD relating to Mechanical Engineering - applicants can be studying for or have been awarded a PhD

Fellow of the Higher Education Academy

Chartered Engineer

Knowledge

Awareness of requirements of Professional body accreditation

Experience

Experience of working in the Manufacturing industry

Experience of using Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) software

Experience of, and responsibility for, teaching at a UK University.
Research experience in UK Higher Education
Experience of providing student support.
Supervision of PhD students through to completion would be beneficial
Evidence of significant number of quality peer reviewed journal publications would be beneficial.

Behaviours

Behaviour 1: Communication - Ability to receive, understand and convey information requiring careful explanation and information of a complex or conceptual nature, in a clear and accurate manner

Behaviour 2: Pastoral Care and Welfare - Experience of calming and reassuring those with work/study related problems who may be experiencing distress, dealing with difficult welfare situations or confidential matters and providing support for those in considerable distress or requiring long-term complex support

Behaviour 3: Teaching and Learning Support - Experience of providing standard information or delivering teaching or training, designing content or learning materials within existing frameworks and developing innovative approaches to learning experience and the curriculum

Behaviour 4: Service Delivery - Experience of exploring and adapting a service to meet customers' expectations and also identifying ways of improving standards

Behaviour 5: Liaison and Networking - Experience of circulating information in an accurate and timely manner, working across team boundaries to build and strengthen working relationships, leading and developing internal networks to pursue a shared interest and leading and building external networks to enhance the work of the organisation

Behaviour 6: Analysis and Research - Experience of identifying or designing data gathering and analytical methods appropriate for each investigation, and producing reports that identify key issues and findings

Salary: 34,804.00 – 49,553.00 GBP per Year

Position Type: Full Time , Permanent 35.0 Hours per Week

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