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| April 2023 |  |

**JOB DESCRIPTION**

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| Post title: | **Lecturer in Maritime Engineering** | | |
| School/Department: | School of Engineering/Civil and Maritime Engineering Science | | |
| Faculty: | Engineering and Physical Sciences | | |
| Career Pathway: | Education, Research and Enterprise (ERE) | Level: | 5 |
| \*ERE category: | Balanced portfolio | | |
| Posts responsible to: | Head of Department/Head of Group | | |
| Posts responsible for: | Research Fellow (as appropriate) | | |
| Post base: | Office-based | | |

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| Job purpose |
| To undertake research in line with the School/Department research strategy, to teach at undergraduate and postgraduate level, and to undertake leadership, management, and engagement activities.  To develop scholarship, research and enterprise in line with the school’s research strategy to support teaching within a research led environment at undergraduate and postgraduate level. In education the ability to develop and deliver a range of innovative teaching and assessment approaches. |

| Key accountabilities/primary responsibilities | | % Time |
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|  | Develop the research activities of the School/Department by sustaining a personal research plan. Manage the application of a range of research methodologies, approaches and techniques appropriate to the type of research personally being pursued. | 40% |
|  | Develop and sustain a national and international reputation for research by the regular dissemination and explanation of findings through leading peer-reviewed publications, major conferences, or exhibiting work at other appropriate events. Engage in external academic activities in accordance with the Department’s research strategy and which enhance the Department’s national/international research profile, e.g. membership of committees of academic bodies, external examining, journal editorships, etc. |
|  | Plan and develop innovative research proposals, projects and funding bids as self-contained items or as part of a broader programme. |
|  | Carry out management and administrative tasks associated with specified research funding, including risk assessment of project activities, organisation of project meetings and documentation and preparation of annual reports. To oversee and implement procedures required to ensure accurate and timely formal reporting and financial control. |
|  | Support the teaching objectives of the School/Department by managing a range of contributions to its learning and teaching activities. Deliver teaching of the highest quality across a range of modules and to all levels, through lectures, tutorials, practicals and seminars. In particular, provide up to 6 months per year of teaching delivery as part of the Joint Education Institute with Harbin Engineering University | 40% |
|  | Design, develop and deliver an innovative range of modules at various levels. Take responsibility for the quality of the design of existing courses and programmes, continually monitoring, evaluating and revising them to ensure excellence and coherence, identifying areas where current provision is in need of revision or improvement. |
|  | Directly supervise students, providing expert advice on learning best practice and helping with learning problems. Identify the learning needs of students and define learning objectives. Promote the use of appropriate media to support student learning. Set and mark coursework and exams, providing constructive feedback to students. |
|  | Monitor, evaluate and revise course design to ensure excellence and coherence. Identify areas where current provision is in need of revision or improvement, planning and developing innovative contributions to learning, teaching and assessment methods within the School/Department as appropriate. |
|  | Contribute to the efficient management and administration of the School/Department by performing personal administrative duties as allocated by the Head and by taking on appropriate School/Department coordination roles. | 20 % |
|  | Support the delivery of the JEI HEU programmes through liaison with HEU and management of the delivery modes |
|  | Provide expert advice in own subject area to other staff and students. |
|  | Any other duties as allocated by the line manager following consultation with the post holder. |

| Internal and external relationships |
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| Member of the School/Department Board, Examination Board and of such School/Department committees relevant to their administrative duties.  New appointees will be assigned a senior colleague to guide their development and aid their integration into the School/Department, Faculty and University.  Research priorities will be agreed within the strategic framework of the research theme of which they are a member.  Teaching and administrative duties will be allocated by the Head of School/Department, within the context of the teaching programmes agreed by the School/Department Learning and Teaching Committee. |

| Special Requirements |
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| To attend national and international conferences for the purpose of disseminating research results.  To be available to work overseas in support of JEI HEU programme.  The post holder is expected to be located in Harbin, China for up to 6 months per academic year. |

**PERSON SPECIFICATION**

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| Criteria | Essential | Desirable | How to be assessed |
| Qualifications, knowledge and experience | PhD or equivalent professional qualifications and experience in a relevant aspect of Engineering  Growing and consistent national reputation in a relevant aspect of Engineering.  Track record of development and delivery of teaching at undergraduate and postgraduate level.  Demonstrated success in delivering learning outcomes.  Track record of published research. | Membership of Higher Education Academy.  Involvement in national events.  Delivery and design of student engagement and outreach activities  Established track record in Enterprise activities and industry collaboration  Teaching qualification (PGCAP or equivalent). | Application/Interview |
| Planning and organising | Proven ability to plan and develop a range of high quality research and teaching activities, ensuring plans complement broader research and education strategy.  Able to develop innovative research proposals and attract research funding.  Proven ability to plan, manage, organise and assess own teaching contributions. |  | Application/Interview |
| Problem solving and initiative | Able to identify broad trends to assess deep-rooted and complex issues.  Able to apply originality in modifying existing approaches to solve problems. |  | Application/Interview |
| Management and teamwork | Proven ability to manage and deliver own course units and team-taught course units.  Proven ability to coach and support students/tutorial groups.  Work effectively in a team, understanding the strengths and weaknesses of others to help teamwork development. | Able to undertake coordinating role in School/Department/University.  Able to monitor and manage resources and budgets.  Able to manage, motivate and coordinate research team, delegating effectively. Able to formulate staff development plans, if appropriate. | Application/Interview |
| Communicating and influencing | Communicate new and complex information effectively, both verbally and in writing, engaging the interest and enthusiasm of the target audience.  Track record of presenting research results at group meetings and conferences.  Track record of delivering lectures and seminars in courses relating to different aspects of engineering | Able to provide expert guidance to colleagues in own team, other work areas and institutions to develop understanding and resolve complex problems.  Able to engage counselling skills and pastoral care, where appropriate.  Able to persuade and influence at all levels in order to foster and maintain relationships, resolving tensions/ difficulties as they arise.  Able to work overseas and particularly in PRC | Application/Interview |
| Other skills and behaviours | Understanding of relevant Health & Safety issues.  Proactive in promoting a working environment that is inclusive and engaging; recognising the value diversity brings. |  | Application/Interview |
| Special requirements | Able to attend national and international conferences to present research results.  Ability to spend 6 months per year in Harbin, China in support of the Southampton Ocean Engineering Joint Education Institute with Harbin Engineering University |  | Application/Interview |

**JOB HAZARD ANALYSIS**

**Is this an office-based post?**

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| Yes | If this post is an office-based job with routine office hazards (eg: use of VDU), no further information needs to be supplied. Do not complete the section below. |
| No | If this post is not office-based or has some hazards other than routine office (eg: more than use of VDU) please complete the analysis below.  Hiring managers are asked to complete this section as accurately as possible to ensure the safety of the post-holder. |

## - HR will send a full PEHQ to all applicants for this position. Please note, if full health clearance is required for a role, this will apply to all individuals, including existing members of staff.

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| **ENVIRONMENTAL EXPOSURES** | **Occasionally**  (<30% of time) | **Frequently**  (30-60% of time) | **Constantly**  (> 60% of time) |
| Outside work |  |  |  |
| Extremes of temperature (eg: fridge/ furnace) |  |  |  |
| ## Potential for exposure to body fluids |  |  |  |
| ## Noise (greater than 80 dba - 8 hrs twa) |  |  |  |
| ## Exposure to hazardous substances (eg: solvents, liquids, dust, fumes, biohazards). Specify below: |  |  |  |
| Frequent hand washing |  |  |  |
| Ionising radiation |  |  |  |
| **EQUIPMENT/TOOLS/MACHINES USED** | | | |
| ## Food handling |  |  |  |
| ## Driving university vehicles(eg: car/van/LGV/PCV) |  |  |  |
| ## Use of latex gloves (prohibited unless specific clinical necessity) |  |  |  |
| ## Vibrating tools (eg: strimmers, hammer drill, lawnmowers) |  |  |  |
| **PHYSICAL ABILITIES** | | | |
| Load manual handling |  |  |  |
| Repetitive crouching/kneeling/stooping |  |  |  |
| Repetitive pulling/pushing |  |  |  |
| Repetitive lifting |  |  |  |
| Standing for prolonged periods |  |  |  |
| Repetitive climbing (ie: steps, stools, ladders, stairs) |  |  |  |
| Fine motor grips (eg: pipetting) |  |  |  |
| Gross motor grips |  |  |  |
| Repetitive reaching below shoulder height |  |  |  |
| Repetitive reaching at shoulder height |  |  |  |
| Repetitive reaching above shoulder height |  |  |  |
| **PSYCHOSOCIAL ISSUES** | | | |
| Face to face contact with public |  |  |  |
| Lone working |  |  |  |
| ## Shift work/night work/on call duties |  |  |  |