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| Last updated: | 2 May 2017 |

**JOB DESCRIPTION**

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| Post title: | Lecturer in Operational Research/Management Science |
| Academic Unit/Service: | Joint appointment between:Mathematical Sciences / Operational Research GroupSouthampton Business School / Department of Decision Analytics and Risk |
| Faculty: | Faculty of Social, Human and Mathematical SciencesFaculty of Business, Law and Art |  |  |
| Career pathway: | ERE\* | Level: | 4 |
| \*ERE category: | Balanced portfolio |
| Posts responsible to: | Head of Mathematical Sciences and Head of Southampton Business School |
| Posts responsible for: | Research staff and students |
| Post base: | Office-based |

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| Job purpose |
| To undertake research in line with the research strategies of Mathematical Sciences and Southampton Business School, obtaining research funding and supervising research staff and students. Contribute to the development and delivery of high-quality teaching within the Mathematical Sciences and Southampton Business School, with a special focus on Operational Research/Management Science teaching. Undertake administrative duties within the Mathematical Sciences and Southampton Business School. |

| Key accountabilities/primary responsibilities | % Time |
| --- | --- |
|  | Undertake research in Operational Research/Management Science, with an emphasis on developing new methodology to support applications to practical problems. To disseminate/publish results in major Operational Research/Management Science journals.Prepare applications for research funding to attract research staff and PhD students. Contribute actively to one or more of the research areas that fit with Mathematical Sciences and Southampton Business School.  | 40 % |
|  | Development and teaching of modules in the Mathematical Sciences and Southampton Business School, together with the associated assessment, especially for those modules involving Operational Research and Management Science. | 35 % |
|  | Supervision of MSc students undertaking dissertation projects, some of which are industrially based. | 10 % |
|  | Contribute to the effective management and administration of the Mathematical Sciences and Southampton Business School by performing duties allocated by the Heads of School.  | 10 % |
|  | Any other duties as allocated by the line manager following consultation with the post holder. | 5 % |

| Internal and external relationships |
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| The post holder will be an active member of the Centre for Operational Research, Management Science and Information Systems (CORMSIS). |

**PERSON SPECIFICATION**

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| Criteria | Essential | Desirable | How to be assessed |
| Qualifications, knowledge and experience | Demonstrate excellence in research and in Operational Research/Management Science or a related disciplinePhD or equivalent professional qualifications and experience in Operational Research/Management Science or a related disciplineAbility to deliver high-quality teaching in Operational Research/Management Science, including the supervision of MSc and PhD students | Research expertise in developing new methodology and working on practical applications | Application, references, interview & presentation |
| Planning and organising | Ability to prioritise and to plan for the effective delivery of research goalsAble to plan, manage, organise and assess own teaching contributions |  | Application, references & interview |
| Problem solving and initiative | Ability to seek opportunities to develop collaborative research programmes, and to work with industryAble to develop understanding of complex problems and apply in-depth knowledge to address them | Ability to take the initiative in developing new research directions | Application, references & interview |
| Management and teamwork | Able to contribute to Academic Unit management and administrative processesAble to manage and deliver own course units and contribute to team-taught course units Work effectively in a team, understanding the strengths and weaknesses of others to help teamwork development |  | Application, references & interview |
| Communicating and influencing | Communicate new and complex information effectively, both verbally and in writing, engaging the interest and enthusiasm of the target audienceTrack record of delivering lectures and seminars in coursesAble to present research results at group meetings and conferencesAble to write up research results for publication in leading peer-viewed journalsWork proactively with colleagues in other work areas/institutions, contributing specialist knowledge to achieve outcomes |  | Application, references, interview & presentation |
| Other skills and behaviours | Understanding of relevant Health & Safety issuesPositive attitude to colleagues and students |  | Application, references, interview & presentation |
| Special requirements |  |  |  |

**JOB HAZARD ANALYSIS**

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

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| [x]  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. |
| [x]  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  |  |  |  |