

**RESOURCING/****JOB DESCRIPTION:****Lecturer – Education, Scholarship & Professional Practice**

<b>Ref Number:</b>	<b>STM-173-20</b>
<b>Salary Scale:</b>	<b>Grade 7: £34,804 – £ 40,322 <i>per annum</i></b>
<b>Contract:</b>	<b>Fixed period for 24 months, Full Time</b>
<b>School/Department:</b>	<b>Physical Sciences</b>
<b>Location:</b>	<b>University of Kent, Canterbury Campus</b>
<b>Responsible to<sup>1</sup>:</b>	<b>Head of School or nominee</b>
<b>Expected start date:</b>	<b>September 2020</b>

**The Role**

The School of Physical Sciences (SPS) is seeking to appoint a Lecturer in Physics who will deliver excellent teaching and curriculum development in core physics and mathematics within our Undergraduate and Masters programmes. The candidate should hold a PhD in Physics or related areas.

The post is based at our Canterbury campus, and offers a competitive salary in a collegial and cohesive work environment. The School is an expanding and aspirational department which has enjoyed extensive investment over the past five years which has seen a doubling of academic staff as well as around £15 million spent on laboratory refurbishment, equipment, and general upgrade. As well as teaching and assessment, they will also contribute to the development of new teaching material, resources, modules, and programmes in line with the School's policy of research-led student experience. To facilitate this, they will be embedded within one of the Physics research groups in the School (Applied Optics, Physics of Quantum Materials or Space Science and Astrophysics, as appropriate) and supported by them in future professional development. Additional training in teaching and pedagogy, including PGCHE enrolment, is available to candidates if desired.

**Teaching and learning support**

v.1.6 – Jan 2020

<sup>1</sup> Line Manager may be subject to change and will be confirmed in the employment contract issued to the successful candidate.

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- Teach as a member of a teaching team in a developing capacity within an established programme of study, with the assistance of a mentor if required. This will entail delivery of lectures, workshops, laboratory or computational practical sessions as relevant, and small group teaching.
- To deliver and contribute to the design of high-quality, student-centred, and research-based taught programmes; (Grade 8) to provide academic leadership in this area.
- Reflect on practice and the development of own teaching and learning skills, developing initiative, creativity, and judgement in applying appropriate approaches to teaching and learning support and scholarly activities. Sharing responsibility in deciding how to deliver modules and assess students and collaborating with colleagues on academic content, and on the assessment of students' work.
- To contribute fully to the School and University by participating in meetings, working groups, committees, and other School and University activities; (Grade 8) to support the management of the School, as required.

### Research and scholarship

Reflect on practice and the development of own teaching and learning skills

- To contribute to the research group by, for example, attending meetings and contributing to scientific discussions.

### Communication

- Deal with routine communication using a range of media.
- Communicate complex information, orally, in writing and electronically.
- Preparing proposals and applications to external bodies, e.g. for funding and accreditation purposes.
- Communicate material of a specialist or highly technical nature.

### Liaison and networking

- Liaise with colleagues and students.
- Build internal contacts and participate in internal networks for the exchange of information and to form relationships for future collaboration.
- Join external networks to share information and ideas.

### Managing people

- Agree responsibilities.
- Manage own teaching, scholarly and administrative activities, with guidance if required.
- Could be expected to supervise students' projects, fieldwork and placements.
- Teamwork
- Collaborate with academic colleagues on course development and curriculum changes.
- Attend and contribute to subject group meetings.



- Collaborate with colleagues to identify and respond to students' needs.

### **Pastoral care**

- Use listening, interpersonal and pastoral care skills to deal with sensitive issues concerning students and provide support.
- Appreciate the needs of individual students and their circumstances.
- Refer students as appropriate to services providing further help.

### **Initiative, problem-solving and decision-making**

- Develop initiative, creativity and judgement in applying appropriate approaches to teaching and learning support and scholarly activities.
- Respond to pedagogical and practical challenges.
- Share responsibility in deciding how to deliver modules and assess students.
- Contribute to collaborative decision making with colleagues on academic content, and on the assessment of students' work.

### **Planning and managing resources**

- Use teaching resources and facilities as appropriate.
- Plan and manage own teaching and tutorials as agreed with mentor.

### **Sensory, physical and emotional demands**

- Sensory and physical demands will vary from relatively light to a high level depending on the discipline and the type of work and will involve carrying out tasks that require the learning of certain skills.
- Balance with help the competing pressures of teaching scholarship and administrative demands and deadlines.

### **Work environment**

- Is required to be aware of the risks in the work environment and their potential impact on their own work and that of others.

Such other duties, commensurate with the grading of the post that may be assigned by the Head of Department or their nominee.

### **Health, Safety & Wellbeing Considerations**

This role involves undertaking duties which include the Health, Safety, and wellbeing issues outlined below. Please be aware of these, when considering your suitability for the role.

- Regular use of Screen Display Equipment
- Working with radiation and other scientific hazards (experiments/waste/lasers etc.)



## Internal & External Relationships

**Internal:** Other academic and administrative staff within the School of Physical Sciences, and other departments across the Canterbury and Medway campuses; central registry staff on all Kent sites; staff associated with the Faculty Support Office, HR.

**External:** HE and accreditation bodies, funding bodies, local employers, national, International, and EU government departments, charities and other not-for-profit organisations, appropriate professional bodies.

## Person Specification

The Person Specification details the necessary skills, qualifications, experience or other attributes needed to carry out the job. Please be aware that your application will be measured against the criteria published below.

Selection panels will be looking for clear evidence and examples in your cover letter which back-up any assertions you make in relation to each criterion.

Qualifications / Training	Essential	Desirable	Assessed via*
First degree or equivalent in Physics or a related subject area	✓		A & I
PhD in Physics (or predicted)	✓		A & I
Expertise in Optics or Physics of Condensed Matter or Astrophysics/Space Science		✓	A & I
Relevant teaching qualification (PGCHE) or experience		✓	A & I

Experience / Knowledge	Essential	Desirable	Assessed via*
Possess sufficient breadth or depth of specialist knowledge in core physics and mathematics to work within established teaching programmes	✓		A, I & T
Understanding of equal opportunity issues as they may impact on academic content and issues relating to student need	✓		A & I
Experience in delivering technology enabled learning and teaching		✓	A & I

Skills / Abilities	Essential	Desirable	Assessed via*
Ability to develop familiarity with a variety of strategies to promote and assess learning	✓		A & I



Excellent interpersonal, presentation and communication skills	✓		T
Able to engage the interest and enthusiasm of students and inspire them to learn	✓		A & I
Project management and development skills		✓	A & I

Additional Attributes	Essential	Desirable	Assessed via*
Evidence of, and a personal commitment to developing, excellence in both teaching and scholarship	✓		I
Willingness to contributing fully and flexibly as part of the School of Physical Sciences team	✓		T
Willingness to engage in continuous professional development	✓		I

**\*Criterion to be assessed via:**

**A** = application form or CV/cover letter

**I** = interview questions

**T** = test or presentation at interview

