

## THE POST

<b>College:</b>	<b>Engineering, Mathematics &amp; Physical Sciences</b>
<b>Post:</b>	<b>Lectureship in Electromagnetic and Acoustic Materials</b>
<b>Reference No:</b>	<b>P57296</b>
<b>Grade:</b>	<b>F</b>
<b>Reporting To:</b>	<b>Prof Nick Stone</b>

## Job Description

### ***Main duties and accountabilities***

1. To fulfil research, teaching and administration duties as a lecturer in Electromagnetic and Acoustic Materials.
2. To extend the research profile of Physics and Astronomy and related areas attracting and supervising postdoc researchers and postgraduate (PhD) research students.
3. To collaborate with colleagues both within the College and the University of Exeter as a whole in order to develop and support both the research programmes in Physics and Astronomy, and the College.
4. To contribute to the general operation of the College as a member of its academic team.

### ***Research***

1. To conduct independent research and act as principal investigator and project leader, and in so doing:  
  
Enhance the College's international reputation through research publications of appropriate quantity and quality, and contribute to worldwide debate at national and international conferences, and  
  
Win research earnings through carefully prepared and successful grant applications as well as identifying potential income-generating programmes and collaborative partnerships.
2. To supervise research projects, managing any dedicated research staff and postgraduate research students, and provide the mentorship to enable staff and students to develop their skills and academic careers.
3. To help promote a collegiate working atmosphere and stimulating environment that will attract further research staff of the highest quality as well as good postgraduate research students.
4. To contribute to the further and ongoing development of physics research at Exeter, especially the area of electromagnetic and acoustic materials.

### ***Teaching***

To deliver mainly undergraduate courses to appropriate academic standards such that:

1. Knowledge acquired from research translates to teaching
2. Students are challenged but also tutored and supported with individual care

3. Teaching and learning techniques are innovative and inspiring
4. Students are supervised appropriately
5. Assessment criteria are appropriate, and fairly applied with results fed back to students appropriately
6. Module content is continuously reviewed to identify areas for improvement

### **General**

To contribute to the overall general and academic management in the College by undertaking activities that may be required such as:

1. Developing overall academic content and structure of modules with colleagues
2. Developing ideas for generating income and promoting both the College in general and Physics in particular.
3. Supporting admissions processes and procedures
4. Supporting examinations processes and procedures
5. Contributing to the work of College committees
6. Contributing to accreditation and quality control processes
7. Contributing to strategic planning

This job description summarises the main duties and accountabilities of the post and is not comprehensive: the post-holder may be required to undertake other duties of similar level and responsibility.

### **Person Specification**

<b>Competency</b>	<b>Essential</b>	<b>Desirable</b>
Attainments/Qualifications	Be a nationally recognised authority in the subject area.  PhD or equivalent in Physics or a related discipline.	
Skills and Understanding	Possess sufficient specialist knowledge in the discipline to develop research programmes and methodologies.  Record of research output in nationally recognised publications.	An active and supportive approach to disciplinary, inter-disciplinary and multi-disciplinary research that will help to foster interactions and links both within the University and externally with other educational bodies, professional institutions and employers
Prior Experience	Experience of conducting research and managing research projects.  A strong record in attracting research funding, OR demonstrable potential to attract such funding.	Experience of postgraduate teaching and supervision.  Experience in managing research teams.  Experience of acting as principal investigator on research projects.  Success in attracting external research funding.
Behavioural Characteristics	Excellent written and verbal communication skills.  Able to communicate complex and conceptual ideas to a range of groups.  Evidence of the ability to collaborate actively within the	Evidence of supporting equality and diversity within your department and beyond.

	<p>Institution and externally to complete research projects and advance thinking.</p> <p>The aptitude to develop familiarity with a variety of strategies to promote and assess learning.</p> <p>Enthusiasm for delivering undergraduate programmes</p>	
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**Terms & Conditions**

Our Terms and Conditions of Employment can be viewed [here](#).

**Further Information**

Please see our [website](#) for further information on working at the University of Exeter.