Lecturer in Geology (Seismic Interpretation and Petroleum Geology)
School of Geosciences

Closing date: 21 November 2019
Interview date: TBC
Reference number: GEO378A
Introduction

An opportunity exists for a Lecturer in the area of Seismic Interpretation and Petroleum Geology to join the School of Geosciences, University of Aberdeen.

The School of Geosciences at the University of Aberdeen is expanding its research and teaching base, with particular focus on petroleum geoscience within an energy transition market.

An opportunity has arisen to appoint a Lecturer, who will conduct original research and teaching in addition to the directorship of the IPG MSc. Integrated Petroleum Geoscience MSc is one of the School’s flagship Programmes which has been running for over 45 years, with exceptional and long-standing linkages and relationships with local and global industry specialists.

The School of Geosciences comprises the Departments of Geology & Geophysics, Geography & Environment, and Archaeology. The new position will join the Department of Geology & Geophysics, which currently consists of 27 academic members of staff, with a traditional strong research record in tectonics, structural geology, sedimentary geology and petroleum geoscience.

We are looking for a lecturer with strong seismic and/or quantitative interpretation skills coupled with a strong geological background. Individuals who have a experience across a range of exploration, production, field development, field management and decommissioning areas are encouraged to apply. Applicants will be required to demonstrate potential for engagement with and inspiration of our students. Previous industry experience with an oil and gas operator would be desirable. Additionally, as the world begins a transition to a green future, skill-sets and/or research in emerging subsurface technologies are of particular interest.

The appointee will be mentored by senior academics to help with developing their research portfolio, raising income and contributing to the School and University’s research and teaching excellence, through academic papers, societal impact, professional development and outreach.

The individual will contribute to seismic interpretation and geology teaching across both masters and undergraduate programmes. As the director of the Integrated Petroleum Geoscience M.Sc., the individual will oversee administration of the program, working closely with the post-graduate administration support team and other colleagues to drive innovation in teaching excellence and learning on the course.

Importantly, the director of Integrated Petroleum Geoscience acts as an important interface with industry and therefore good knowledge of the UK and global energy industry, its practices and changing industry pressure, coupled with professionalism underpinned by good communication skills are essential for the role.

Informal enquiries can be made to Professor David Jolley, Head of School of Geosciences (01224 273478, d.jolley@abdn.ac.uk).
Job description

Main purpose of the role:

This position will primarily enhance existing research excellence in the School of Geosciences through high profile publications and high-impact research resourced from externally-funded projects, particularly in relation to UK Industrial Strategy Funding, the Global Challenges Research Fund or commercialisation activities. This is aligned with the University’s institutional commitment to directing its research profile towards interdisciplinary challenge-orientated research. Consequently, the successful candidate should already have, or rapidly develop, strong international orientation to their research. In a highly competitive higher education market, the need to employ exciting and innovative teaching techniques is a key attribute of this role.

Key responsibilities:

Job Title

- Development or enhancement of an internationally-leading research profile through an externally funded programme
- Acting as course director to the Integrated Petroleum Geoscience (IPG) MSc, with responsibility for timetabling, interfacing with industry and students. Ensuring excellence in teaching and teaching innovation on the course is essential.
- Teaching on MSc and Undergraduate programs as required. Particular emphasis will be placed on applied skills and innovation in teaching.
- Contribution to field training (UK and International)
- Publication of 3*/4* papers in internationally-leading outputs
- Delivering research with non-academic impact and high-profile public outreach
- Evolving a thematic research group of post-doctoral fellows and PhD students that will complement the existing strengths within the School
- Commitment to developing collaborations with other leading national and international groups in Universities and research institutions
- Input into the development of geosciences courses and associated materials, ensuring the courses are relevant and up to date
- Contribution to the development of the School and University, including the promotion and advocacy of research and teaching within Geosciences

At a glance

Salary:
£41,526 - £49,552 per annum

Hours of work:
Full time

Contract type:
Substantive
## Candidate background

### Key background attributes

The candidate should possess a strong applied geological skillset in seismic and/or quantitative interpretation skills coupled with a strong geological and petroleum geology background. Individuals should have a range of skills within the fields of hydrocarbon exploration, production, field development, field management and decommissioning. The ability to interact and inspire our students is essential. Applicants should demonstrate the ability to create exciting and innovative teaching materials and. The individual will be committed to developing a research profile through challenge-orientated research projects in collaboration with other staff in the School of Geosciences, elsewhere in the University and internationally. The appointee will be committed to delivering high-impact research that is publicised through outreach activities, and will be a team player able to lead and participate in larger, complex interdisciplinary research projects.

## Terms of appointment

Salary will be at the appropriate point on the Grade 7 salary scale (£41,526 - £49,552 per annum) and negotiable with placement according to qualifications and experience.

Any appointment will be made subject to satisfactory references and a 3 year probation period.

For further information on various staff benefits and policies please visit [www.abdn.ac.uk/staffnet/working-here](http://www.abdn.ac.uk/staffnet/working-here)

Should you require a visa to undertake paid employment in the UK you will be required to fulfil the minimum points criteria to be granted a Certificate of Sponsorship and Tier 2 visa. As appropriate, at the time an offer of appointment is made you will be asked to demonstrate that you fulfil the criteria in respect of financial maintenance and competency in English. Please do not hesitate to contact Heather Clark, HR Adviser on +44 (0)1224 273244 or email [h.m.clark@abdn.ac.uk](mailto:h.m.clark@abdn.ac.uk) for further information.
## Person specification

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<th>Education/Qualifications</th>
<th>Essential</th>
<th>Desirable</th>
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| Academic, technical and professional education and training | • PhD in an area of the geosciences related to Petroleum Geology, Applied Geology, and/or Seismic Interpretation  
• Good knowledge of the energy sector and both UK and Global Energy Industry  
• Willingness to introduce exciting and innovative teaching techniques into MSc and Undergrad training, both within and across different schools | • Experience working within the hydrocarbon exploration and production sector |

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<tr>
<th>Work and Other relevant experience (including training)</th>
<th>Essential</th>
<th>Desirable</th>
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| eg Specialist knowledge, levels of experience, supervisory experience, research | • Seismic Interpretation skills using relevant platforms.  
• Presentation of research at international conferences  
• Willingness to develop a strong research profile with proven ability to develop, secure income for and lead research projects (commensurate with career stage)  
• Experience of managing complex projects | • Quantitative interpretation/analysis of seismic data (e.g. AVO Analysis)  
• Petrophysical well interpretation  
• Experience in University administration/service at the Departmental level |

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<th>Personal qualities and abilities</th>
<th>Essential</th>
<th>Desirable</th>
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| e.g. initiative, leadership, ability to work on own or with others, communication skills | • Outstanding communication skills to provide excellence in teaching and research in the area  
• Ability to contribute to the life of the School and the University and to relate well to staff and students  
• Ability to think critically and to work independently and as part of a team environment  
• ability to work on own and with others | • Ability to bridge the boundaries between academic research, industry and societal needs  
• Ability to present complicated scientific work across a range of media  
• Excellent networking skills in order to develop strong relationships with partners, academics and researchers from other institutions |

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<th>Other</th>
<th>Essential</th>
<th>Desirable</th>
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| eg special circumstances (if any) appropriate to the role such as unsocial hours, travelling, Gaelic language requirements etc. | • Willingness to travel and participate in international research projects.  
• Willingness to contribute to residential undergraduate and post-graduate field trips. | |
The University

Founded in 1495, Aberdeen is Scotland’s third oldest University and the fifth oldest in the UK. Ranked within the world top 160 in the Times Higher Education Rankings 2019 and named Scottish University of the Year in the Times and Sunday Times Good University Guide 2019. Aberdeen is ‘open to all and dedicated to the pursuit of truth in the service of others’.

Aberdeen is a broad based, research intensive University, which puts students at the head of everything it does. It has significant academic strengths and potential across a wide variety of disciplines. Outstanding in a wide range of discipline areas, Aberdeen has also been credited for its international reach and its commercialisation of research ideas into spin out companies.

The University has over 14,000 matriculated students and 3,600 staff representing 130 nationalities. We encourage bold thinking, creativity and innovation and we nurture ambition with many opportunities for professional and personal development in an inclusive learning environment which challenges, inspires and helps every individual to reach their full potential.

The University combines a distinguished heritage with a forward looking attitude. In the past few years, the University has encouraged creativity in its academic staff, broken new ground with an innovative curriculum, and developed state-of-the-art facilities including the new Sir Duncan Rice Library and the Aberdeen Sports Village and Aquatics Centre. In looking to the future, the University seeks to enhance its reputation as one of the world’s leading Universities by moving forward with ever more ground breaking research; ensuring students have an intellectual and social experience second to none; and capitalising upon the dual role as one of the major institutions of the north and as a cornerstone of regional economic and cultural life.
The city and the region

Aberdeen and Aberdeenshire

With a population of approximately 230,000, the city stands between the Rivers Dee and Don. This historic city has many architectural splendours and the use of its sparkling local granite has earned Aberdeen the name of the Silver City. Recognised as the oil capital of Europe, Aberdeen nevertheless retains its old-fashioned charm and character making it an attractive place in which to live.

Aberdeen enjoys excellent communication services with other European cities - e.g. flying time to London is just over one hour with regular daily flights. There are direct air links to London (City, Gatwick, Heathrow, and Luton), Manchester, Birmingham, Leeds, Southampton, Belfast and East Midlands within the U.K. There are also flights to international hub airports: Amsterdam (Schiphol), Paris (Charles De-Gaulle) and Frankfurt as well as flights to other European destinations. http://www.aberdeenairport.com Road and rail links are also well developed.

The Grampian Region which took its name from the Grampian Mountains has a population of approximately 545,000. It is made up of five districts – Aberdeen, Banff & Buchan, Gordon, Kincardine & Deeside and Moray. The city and the surrounding countryside provide a variety of urban, sea-side and country pursuits. Aberdeen has first class amenities including His Majesty's Theatre, Music Hall, Art Gallery, the Aberdeen Exhibition Centre, Museums, and Beach Leisure centre. Within a short time, beach pursuits, equine activities, salmon, trout and sea fishing, hill-walking, mountaineering, golf, sailing, surfing and windsurfing can be reached. The city and the surrounding countryside are repeatedly given high ratings for quality of life in surveys.

Aberdeenshire is one of Scotland’s most appealing regions. Royal Deeside and the Cairngorms National Park are within easy access of the city, and there are a variety of towns and villages scattered along the coastline.

Aberdeen and Aberdeenshire cater for a wide range of tastes in sporting and cultural activities.

To find out more about Aberdeen and Aberdeenshire go to www.visitabdn.com
How to apply

Online application forms are available at [www.abdn.ac.uk/jobs](http://www.abdn.ac.uk/jobs)

The closing date for receipt of applications is 21 November 2019

Should you wish to make an informal enquiry please contact
Professor David Jolley, School of Geosciences
01224 273478
d.jolley@abdn.ac.uk

Please do not send application forms to Prof Jolley

Please quote reference number GEO378A on all correspondence

The University pursues a policy of equal opportunities in the appointment and promotion of staff.