

PhD position in Mathematics Education (1.0 FTE) (219317)

Organisation

Founded in 1614, the University of Groningen enjoys an international reputation as a dynamic and creative institution of higher education offering high-quality teaching and research. Flexible study programmes and academic career opportunities in a wide variety of disciplines encourage our 31,000 students and researchers alike to develop their own individual talents. As one of the best research universities in Europe, we have joined forces with other top universities and networks worldwide to become a truly global centre of knowledge.

The Faculty of Science and Engineering (FSE) holds a track record of research excellence and offers a wide range of bachelor's (BSc) and master's (MSc) degree programmes, most of which are fully taught in English. The Institute for Science Education and Communication (ISEC) is based in the FSE and focuses its research on the improvement of Science Technology Engineering and Mathematics (STEM) teaching and learning in secondary and university education.

Job description

We are currently seeking to appoint a talented PhD candidate in mathematics education. The successful candidate will be highly motivated, hard working, open to feedback and eager to contribute to, and benefit from, the research culture of ISEC.

We offer you opportunities for an in-depth study of current research and theory in mathematics education, especially in areas of mathematics teaching and learning. Through a structured programme of study, you will develop your ability to think independently and pursue your own ideas within the scope of the project "Mathematics teaching practice and students' mathematical meaning-making at university level".

The project focuses on research investigations of the activity of teaching mathematics and its development for students' mathematical meaning making. The goal of the project is to explore historically, socially, culturally and materially shaped practices of the teacher and the students and to understand how knowledge for teaching mathematics develops in relation to those. You will study the practical manifestations of teaching mathematics (e.g., calculus, analysis, linear algebra) in observational and

other data that you will gather in university classes. Examples of research domains of the project include, but are not limited to, development of teaching practices, teaching knowledge, tools and semiotics, affect and emotions, classroom interaction and discourse, resources, agency and identity, etc.

The PhD programme will also offer you opportunities to develop your teaching skills by contributing to basic undergraduate mathematics courses (calculus, linear algebra) or graduate programmes (Master's in Science Education and Communication). You can receive teacher training and a personal budget for additional training and career activities.

Qualifications

You should have:

- a bachelor's degree in Mathematics
- a recently completed master's degree in Educational sciences, Mathematics Education or similar
- excellent English language skills with proof in line with the requirements of the Graduate School of Science and Engineering
- excellent organizational, communication and collaboration skills
- strong conceptual thinking, proactive and independent work attitude
- flexibility to work in an interdisciplinary and international environment.

The following can be considered as advantages:

- experience in data analysis (using software such as NVivo, ATLAS.ti, SPSS, MPlus)
- experience in teaching mathematics
- Dutch proficiency.

Conditions of employment

We offer, in accordance with the Collective Labour Agreement for Dutch Universities

- a salary of € 2,325 gross per month for a full-time working week in the first year, up to a maximum of € 2,972 gross per month in the fourth and final year
- a full-time position (1.0 FTE)
- a holiday allowance of 8% gross annual income
- an 8.3% end-of-the-year allowance
- the position has a duration to a period of 4 years.

A PhD training programme is part of the agreement and you enrol in the Graduate School of Science and Engineering. First, you will get a temporary position of one year with the option of renewal for another three years. Prolongation of the contract is contingent on sufficient progress in the first year to indicate that you will successfully complete your PhD thesis within the next three years.

The preferred starting date is September 2019 or earlier.

Applications

You may apply for this position until 16 June 2019 11:59 p.m. / before 17 June 2019 Dutch local time by means of the application form (click on "Apply" below on the advertisement on the university website).

The job interviews are scheduled on 19 and 27 June 2019.

Interested candidates are invited to submit a complete application including:

1. a curriculum vitae (contact information of two academic referees, in this stage we do not ask for the actual letters)
2. a cover letter
3. copies of your academic transcripts, a scan of your diplomas and a scan of your proof of language skills (English, Dutch)
4. a research proposal (max 2,000 words including references)
5. a piece of written work (part of your dissertation, research paper, etc. with a max of 2,000 words including references).

Review of applications will be on a rolling basis and continue until the position is filled.

We are an equal opportunity employer and value diversity at our University. We are committed to building a diverse faculty so you are encouraged to apply. Our selection procedure follows the guidelines of the Recruitment code (NVP), <https://nvp-plaza.nl/download/?id=7714> and European Commission's European Code of Conduct for recruitment of researchers, <https://euraxess.ec.europa.eu/jobs/charter/code>

Unsolicited marketing is not appreciated.

Information

For information you can contact:

- Dr Angeliki Mali, +31 5036 35831, A.Mali@rug.nl

Please do not use the e-mail address(es) above for applications.

Apply