

The University of Vienna (20 faculties and centres, 179 fields of study, approx. 10.000 members of staff, about 90.000 students) seeks to fill the position from 01.10.2022 of a

**University Assistant (prae doc)  
at the Department of Lithospheric Research  
to 30.09.2025.**

**Reference number: 13263**

At the Department of Lithospheric Research / Faculty of Earth Sciences, Geography and Astronomy, a position for a university assistant (prae-doc) is available for numerical modeling of microstructure evolution resulting from mineral reactions.

The successful candidate will be member of the Vienna International School of Earth and Space Sciences VISESS (<https://visess.univie.ac.at/>).

The announcement is made for three years, whereby the employment relationship is initially limited to 1.5 years and is automatically extended to a total of three years, unless the employer submits a declaration of non-renewal after a maximum of 12 months. An extension up to a total of four years might be possible in mutual agreement provided excellent performance of the candidate and adequate funding situation.

**Duration of employment:** 3 year/s

**Extent of Employment:** 30 hours/week

[Job grading in accordance with collective bargaining agreement:](#) §48 VwGr. B1 Grundstufe (praedoc) with relevant work experience determining the assignment to a particular salary grade.

**Job Description:**

Participation in research, teaching and administration is expected:

- Implementation of sharp and diffuse interface models for microstructure evolution
- Application to reaction microstructures in minerals, rocks and synthetic analogue materials
- Participation in publications / academic articles / presentations
- We expect the successful candidate to sign a doctoral thesis agreement within 12 months and to become an active member of the doctoral school VISESS
- Participation in teaching and independent teaching of courses as defined by the collective agreement
- Co-supervision of students and participation in research administration

**Profile:**

MSc or equivalent in a field of study related to the doctoral project. This requirement needs to be fulfilled by 1.10.2022.

Programming skills, experience with Finite Element numerical modelling,  
Ability to work both independently and collaboratively,

Excellent command of written and spoken English

Experience with diffuse interfaces models such as Cahn-Hilliard theory and phase field approach

Application documents:

- Letter of motivation
- Academic curriculum vitae
- List of publications, evidence of teaching experience (if available)
- Degree certificates

**Research fields:**

<b>Main research field</b>	<b>Special research fields</b>	<b>Importance</b>
Geology, Mineralogy	Petrophysics	SHOULD

**Education:**

<b>Educational institution</b>	<b>Educational level</b>	<b>Special subject</b>	<b>Importance</b>
University	Natural Sciences	Physics, Mechanics, Astronomy	SHOULD

**Computer-Skills:**

<b>Type of computer skills</b>	<b>Specified computer skills</b>	<b>Importance</b>
Programming language	FORTRAN/C/C ++	SHOULD

Applications including a letter of motivation (German or English) should be submitted via the Job Center to the University of Vienna (<http://jobcenter.univie.ac.at>) no later than 18.08.2022, mentioning reference number 13263.

For further information please contact Abart, Rainer +43-1-4277-53319.

The University pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity (<http://diversity.univie.ac.at/>). The University lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.

Human Resources and Gender Equality of the University of Vienna

**Reference number: 13263**

E-Mail: [jobcenter@univie.ac.at](mailto:jobcenter@univie.ac.at)

[Privacy Policy of the University of Vienna](#)