Faculty of Education

Creative Coding @ UJ

Short Learning Program (SLP):

Coding and Robotics for Teachers (In-take: 2025)

Joyful and creative learning experiences in action

The University of Johannesburg is inviting qualified teachers (including lecturers in higher education) to apply for an online short-learning program on coding and educational robotics.

During this SLP, you will learn:

- Competencies for a fast-changing world, including computational thinking and creativity
- How to code and develop school-curriculum-related artefacts using the graphical programming language Scratch and OctoStudio
- How to code and operate educational robots
- How to teach coding and robotics as subjects
- How to use coding and robotics to teach curriculum themes

You will also be introduced to literature that underpins the teaching of coding and robotics.

To earn a certificate for the SLP, participants will have to submit a portfolio in which evidence of learning is documented as per the portfolio requirements.

The SLP is offered at **NQF level 8**, with **20 credits**.

Total costs for the SLP: **R5470.00** (inclusive of R3870.00 registration fee)

Duration: **14 weeks**

Weekly **online** sessions: **Every Saturday for one 1.5 hours**, supplemented by support (catch-up sessions) during the week.

Applications open: 26 August 2024 | Closing date: 15 November 2024

Contact information

Join the **Telegram group** (https://t.me/+xth7oronZnk4YTdk)

Contact the project coordinator via email: ujscratch@uj.ac.za

Project Manager: Linford Molaodi | **Project Leader:** Prof. Sarah Gravett

Follow our social media platforms for activity updates:

Creative Coding @ UJ Faculty of Education   @creativecoding_ujeducation   @creative_UJEdu

zibuza Creative Coding @UJ Faculty of Education   Channel: Creative Coding @UJ Faculty of Education

Project video on YouTube: https://www.youtube.com/watch?v=ZzjsFGtN7ck&t=17s