

Information on your institution:

Name

Bejaia University

Department

Mathematics

Name of Head / Chair

Arezki Khelloufi

Link to the website of your department

http://univ-bejaia.dz/Fac_Sciences-Exactes/index.php/departements/dep01

Local contact person to help with the course scheduling and living/logistical arrangements

Last name

Chemlal

First name

Rezki

Email

rchemlal@gmail.com

Full mailing address

Bureau 212, Bloc des enseignants, Campus Targua Ouzemmour, Bejaia.

Phone

[+213542818406](tel:+213542818406)

Course Requested

Symbolic dynamics

Name of the requested Lecturer

Pierre Guillon

Local faculty who will be assisting the volunteer lecturer during the course

Rezki Chemlal

Specific degree program and need of volunteer lecturer

A) Master in mathematical analysis

This course is part of 2 years Master program in analysis.

The Master is accessible to students with Licence in mathematics and provide a training to a teaching and/or research carrier.

In the first year other courses are :

Semester 1 :

Introduction to dynamical systems (Given by the local contat Rezki Chemlal)

Graph theory

Functional analysis and PDE

Numerical Analysis

Semester 2 :

Elements of number theory

Symbolic Dynamics
Functional analysis and PDE (II)

B) The course symbolic dynamics is a new introduction in the program of Master in analysis at the university of Bejaia

Dr Rezki Chemlal works on dynamical systems in general and have a limited expertise in symbolic dynamics. Dr Pierre Guillon is a french CNRS researcher , he has a good experience in teaching and doing research in symbolic dynamics.

The idea is to have Dr Rezki Chemlal assisting Dr Pierre Guillon in the lecture during 2023 in order to gain experience and take on from 2024 as the main lecturer of this course.

The lecture will be proposed through a network of cooperation to students in Tunisia (Sfax university) and Burkina Faso (Bobo Diolassu) . Coordinators will be Dr Tarek Sellami for Tunisia and Dr Idrissa Kaboré for Burkina Faso.

The course will be held online with lectures given by Pierre Guillon and local coordinators assisting in tutorial sessions.

Approx. Number of students

15-22 Master students

3 PhD students from Bejaia university are interested in this lecture.

2 researchers (1 in Guelma university and another in Chlef university)

Number of students in Tunisia and Burkina Faso still unknown.

Indicate months during which the 3-4 week course should be held

2023

April, May, June

Specify course language(s)

French

Description of living arrangements

The program is planned online (no living arrangements needed)

Former VLP participation

None

Former CDC participation

Institution

Conference support program for the organization of CIMPA school Dad 21.

Diverse aspects of dynamics 07-18 November 2021. (Global budget 27 000 euros. IMU support was 2000 USD)

Individual

Research grant travel Simons Africa (Dr Rezki Chemlal) (2000 USD) research stay at the university of Santiago (18 July - 07 September 2022)

Expected Budget Form

[attached](#)

Invitation letter from the host institution to the volunteer

attached

Travel Reimbursement, Liability, Insurance and Data Processing Information
[attached](#)

Personal data processing
Yes