Raúl Ruiz

Personal Profile

Raúl Ruiz Mora
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website/

I'm a hardworking person interested in abstract algebra and logic. I consider myself a helpful and gentle person and someone with whom is easy to wok with. I try to do my best when I'm studiyng or working.

Education

2021−Now	**MSc in Logic**	Amsterdam, Netherlands

Univeristy of Amsterdam, Institute of Logic, Language and Computation (ILLC)
Average grade: **--**/10. ECTS: 120

2017−2021	**BSc degree in Mathematics**	Valencia, Spain

University of Valencia. Extraordinary Prize of Degree.
Average grade: **9.44**/10. ECTS: 240 (135 passed with honours)

Undergraduate work

2021 — "A comic page for the first isomorphism theorem"
E. Cosme Llópez, R. Ruiz Mora, N. Tamarit. Journal of Mathematics and the Arts XX - XX, 2022.
DOI:10.1080/17513472.2022.2059645

2021 — BSc thesis: "Els Teoremes d'Isomorfisme en àlgebres heterogènies"
Universitat de València, Facultat de Ciències Matemàtiques
"Isomorphism theorems in many-sorted algebras". Interested in the abstraction of algebraic structures and logic, I did my Bacholr's thesis in the theory of universal many-sorted algebras, finally proving the isomorphism theorems. Work under the supervision of Enric Cosme LLópez.

2020-2021 — Course in Universal Algebra (as lecturer) — 9 ECTS.
Universitat de València, Facultat de Ciències Matemàtiques
Practicum at the area of algebra from the mathematics department of the University of Valencia. The aim was to introduce universal algebra until giving a proof for the Birkhoff theorem of varieties and theorems about Mal'cev conditions. The course conosisted in 18 lectures of 1 hour and the whole practicum was 9 ECTS worth in total.

Projects

2019−2021 — AdR Facultat de Matemàtiques, Junta de Centre & CAT
Universitat de València, Facultat de Ciències Matemàtiques
During two school years I was elected as representative of my course. Some of my occupations were to manage the online teaching experience in the context of the pandemic and the lockdown, and to represent my classmates in two of the most important councils of the Faculty of Maths: Junta de centre de la facultat de matemàtiques (Centre Board of the faculty of maths) and CAT (Academic Committee for Qualifications).

2019−2021 — PEC - Programa d'Estudiants Correctors
Universitat de València, Facultat de Ciències Matemàtiques
Senior students assessment program. Universitat de València.
The aim of the project is to help first-year students to write with mathematic and logic language in a proper way. I was elected because of my logical rigor when writing matemathics.

Talks

Spring 2022 **Algebraic characterization of the Beth definability property**
University of Amsterdam, Institute of Logic, Language and Computation (ILLC)
As part of one of the courses in the MSc in Logic.

Languages

Spanish **Mothertongue**

Catalan **Mothertongue**
I have done all my education in catalan. Moreover, in October, 2017 I got the certificate of C1 by the "Junta Qualificadora dels Coneixements del Valencia" (Valencian Knowledge Qualifying Council).

English **C1**
I got the CAE Cambridge certificate in July, 2021 with a mark of 196.

Courses

Sep. 2019 **Course in project magement** 20 h.
La Nau de la Universitat de Valencia
Course about how to plan, manage and present a project.

Sep. 2019 **Ofimatic presentations** 20 h.
La Nau de la Universitat de Valencia
Course about how to make an ofimatic presentation with "Powerpoint" and "canva".

May 2017 **High academic performance math course** 4 h.
Universitat de València, Facultat de Ciències Matemàtiques
A course for high-school students with the best grades about to introduce them into the mathematical reasoning and proofs in mathematics.

Software

High level **Matlab, Mathematica, R, C++, Maxima, Latex**

Basic level **Microsoft office (Excel, Word, Powerpoint), Canva**