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<http://math.uoc.gr/en/index.html>

<https://mscs.uoc.gr/damsl/>

Heraklion 30/05/2023

Call for Applicants for the Master's Programme on

"Data Analysis & Machine-Statistical Learning - DAMSL"

Organized by Univ. of Crete (UoC) and Foundation of Research & Technology Hellas
(FORTH)

The Department of Mathematics & Applied Mathematics of the University of Crete, the Department of Computer Science of the University of Crete, the Institute of Applied & Computational Mathematics (IACM) of FORTH and the Institute of Computer Science (ICS) of the FORTH, invite applications for the Master's Programme

"Data Analysis & Machine-Statistical Learning"

for the academic year 2023-2024. The application deadline is **July 10th, 2023**. The programme accepts applicants with a strong background in mathematics, computer science, engineering, statistics, and applied mathematics. Suitable candidates should hold a recent university degree in any of the above or similar disciplines.

Selection Criteria: The selection criteria are a) personal interview, b) undergraduate scores, and c) recommendation letters, awards, or any other academic achievements.

Interview process: The interview will be of short duration and will concern the candidates' goals and interests, and their performance in courses of earlier study cycles. It will also include discussion/questions concerning the programme, and on the prospects after obtaining the master's degree. Interviews will be conducted at the discretion of the evaluation committee, online via the Zoom platform during the period 17-21/7/2023.

Brief description of the program: The goal of the program is the training in the interdisciplinary area of Data Analysis, with an emphasis on Machine Learning and related Statistical Methods. The main objective of this program is to train graduates in data analysis and machine learning. The students will be trained in both the mathematical foundations of data science and its computational aspects. Specifically, in the first year of the program, students will be trained in basic mathematical optimization techniques, statistics, as well as analytical, programming, and computational methods. In the second year of study, they will



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specialize in advanced machine learning and data analysis techniques. Also, they will have the opportunity to actively participate either in research projects of the program instructors, or in projects in collaboration with public or private sector agencies/companies. The cooperating departments of the University of Crete and the institutes of FORTH offer a very rich and vital research environment. Many of the program's instructors are in the forefront of data analysis and machine learning, which guarantee the provision of very high-quality education and training.

The program's duration is three (3) academic semesters (90 ECTS) and gives the opportunity to obtain a Postgraduate Diploma. The teaching of the courses offered by the program and the writing of the postgraduate thesis are done exclusively in the English language.

The tuition fees for the entire program are a) €1500 for students coming from European Economic Area (EEA) countries and b) €3000 for students coming from countries outside the EEA.

The number of admissions per year is limited to a maximum of 30 postgraduate students.

Required documents for applying: The following documents must be submitted exclusively via the online platform <https://fourier.math.uoc.gr/grad-dams/>

1. Application
2. Curriculum Vitae including any professional experience (if applicable)
3. Transcript of records of undergraduate studies and, if applicable, post-graduate studies
4. A copy of a certificate confirming good or excellent knowledge of the English language
5. At least two letters of recommendations, sent directly by email to gradsec@math.uoc.gr mentioning the name of the graduate programme, or can be uploaded directly to <https://fourier.math.uoc.gr/grad-dams/>.
6. A copy of applicant's university degree or diploma. If you do not yet have your degree or diploma, but you expect to obtain it soon, you can still apply and mention your expected graduation date in your application. In this case, you could be conditionally admitted pending submission of a copy of your degree or diploma.
7. A summary of your thesis/dissertation (if a thesis or dissertation has been completed), a brief statement of your scientific and professional interests, and a statement of the reasons you are interested in pursuing postgraduate studies.
8. Copies of scientific publications and awards (if applicable).
9. A photocopy of your government-issued identity card or passport.
10. A recent photograph of you.

For more information, please visit the program's website <https://mcs.uoc.gr/dams/>.



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