



27/1/2021  
Prot. Number. 2

### CALL FOR EXPRESSION OF INTEREST

The Department of Medicine of the School of Health Sciences of the Aristotle University of Thessaloniki is starting an English-speaking Postgraduate Program entitled Master of Science (MSc) in "**Health Statistics & Data Analytics**", beginning in the **academic year 2021-2022**.

**Purpose** of the proposed master is to provide specialized and in-depth training of students in the field of Statistics, using novel methodologies for analysing biomedical data, with research and clinical practice applications.

**Twenty-five (25)** graduates of Departments of Universities in the fields of Health Sciences, Statistics, Exact Mathematical Sciences, Polytechnic School, Economics, Nursing or graduates of equivalent Higher Technological Institutes or recognized equivalent institutions will be admitted to the Postgraduate Program. Pre-graduate students of the above Departments can also apply for the MSc, provided that they have graduated before the approval of the final list of entrants who will be accepted in the MSc.

Study duration that leads to the award of the Postgraduate Diploma (PD) of the proposed MSc is set at a minimum of **three (3) academic semesters** which include the time needed for preparation and review of the master's thesis. The MSc will be credited with a total of 90 ECTS according to the European Credit System. It will include two full-time academic semesters, while in the third semester the preparation of the postgraduate thesis will take place. The MSc will include a total of eight (8) courses in semesters A and B, while in semester C the preparation of the diploma thesis will take place. All courses are considered compulsory. During their studies, the postgraduate students are obliged to a) attend and successfully pass the examination of the attended courses and preparation of a postgraduate thesis which can be a bibliography review or research work.

The teaching and the content of the courses and of the postgraduate thesis will be **in English**.

The indicative **curriculum** is described below:



Semester	Course title
A	Introduction to Data Analytics
A	Basic Principles of Statistics
A	Basic Principles of Medical Research
A	Linear Models
B	Big Data Analytics
B	Meta-research
B	Environmental Epidemiology
B	Genetic and Molecular Epidemiology
C	Master thesis preparation
Total ECTS 90	

There will be a combination of blended learning with face-to-face lectures over weekends and on-line assignments will be required.

Those interested are invited to express their intention to participate by **30/06/2021**, electronically by sending an e-mail to: [info-hsda@auth.gr](mailto:info-hsda@auth.gr), with the subject "**Expression of interest in the MSc Health Statistics & Data Analytics**", indicating their full name, cell-phone number and e-mail address. Applicants will be sent an e-mail that will indicate the application deadlines and the necessary application documents which are also listed at <https://hsda.med.auth.gr/admissions/>. The process of attendant selection is expected to be completed by the end of September and the courses will start in early October 2021.

For the participation in the MSc program, tuition fees amounting to **4,000 €** will be required, while payment will be made in **three (3) installments**, on dates that will be set at the beginning of the first semester. The enrollment of students is considered valid only after the payment of the first installment of the tuition fees.

For more information:

call (+30) 2310 999143

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Head of AUTH Medical School:

**Kyriakos Anastasiadis**  
Cardiac-surgery Professor

Director of the MSc Program:

**Anna-Bettina Haidich**  
Associate Professor in Hygiene-  
Medical Statistics