

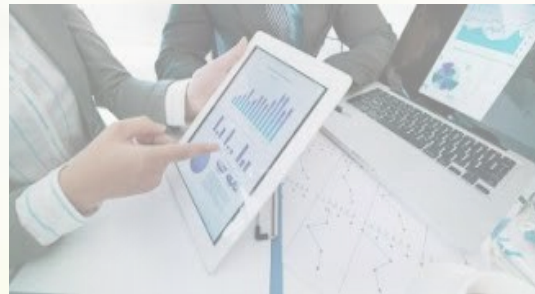
PhD Program

The Department of Statistics admits doctoral students each year to a program of instruction and research leading to the Doctor of Philosophy (PhD) in Statistics degree. A doctorate normally requires between three and four years of full-time study. In the PhD in Statistics, you will investigate a particular project in depth and write a thesis which makes a significant contribution to the field. It can be in any of the subject areas for which supervision is available. You will be assigned a named supervisor or supervisors, who will have overall responsibility for the direction of your work on behalf of the department. You will have the opportunity to interact with fellow students and other members of your research groups, and more widely across the department. Typically, as a research student, you should expect to have meetings with your supervisor or a member of the supervisory team with a frequency of at least once every week averaged across the year. The regularity of these meetings may be subject to variations according to the time of the year, and the stage that you are in your research program.

The final thesis is normally submitted for examination during the fourth year and is followed by the viva examination.

Consultancy center

Statistical Consulting center at University of Birjand is a reputable group that provides comprehensive statistical consultancy services to both internal departments and external businesses and organizations. We operate across a wide range of sectors and can offer experience in all aspects of data-based research, allowing external clients and academics to access our prominent statistical expertise in statistical methodology, computational statistics, applied probability, bioinformatics, reliability and engineering.



Our services include providing advice on or conducting statistical analyses applying a range of methodologies, survey design including sampling and questionnaire development, data collection, data management, assessments of data quality, visualization, and communicating results. We also support clients in setting up monitoring and evaluation frameworks and developing evaluation approaches. We can also provide

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STUDY
STATISTICS
AT UNIVERSITY OF BIRJAND



Department of Statistics

Starting with a bachelor program, Statistics has been taught at University of Birjand since 1999. The program became a full department in 2002 under the direction of Dr. Mohammad Khanjari Sadegh. During this time the department has evolved into an outstanding center for statistical research. Department of Statistics at University of Birjand is one of the top academies in the south-east of Iran.

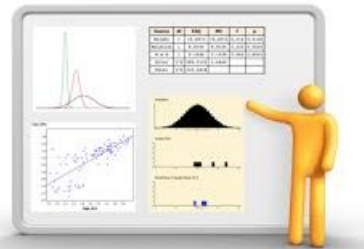
The Statistics Department's goal is research and student training in statistics, both theory and applications, and in probability. Throughout its history, the department has been very active in the development of these subjects to advance other fields in the sciences, medicine, engineering and education.



Applications from students wishing to undertake undergraduate and postgraduate studies are welcomed. The post graduate courses constitute the MSc in Mathematical Statistics, the MSc in Data Science and the PhD in Statistics.

Master Programs

The Masters offers a substantial opportunity for independent study and research in the form of a dissertation. The dissertation is undertaken under the guidance of a supervisor and will typically involve investigating and writing in a particular area of mathematical sciences, without the requirement (while not excluding the possibility) of obtaining original results. A dissertation gives students the opportunity to develop broader transferable skills in the processes of organising, communicating, and presenting their work, and will equip students well for further research or for a wide variety of other careers.



Students are encouraged to work collaboratively in the classes to better develop their understanding of the course material. Performance on the masters will be assessed by the dissertation, and depending on course choice, either written examinations or take home mini-projects or lectures.



Mathematical Statistics:

This master's program provides a broad and flexible training in the mathematical statistics and gives students with a keen interest in the mathematical statistics, the chance to study a selection of our interesting and varied master's level courses.

The master mainly draws on main courses in mathematics and statistics: from measure theory and probability to statistical inference. Students will have the opportunity to choose from some other courses, which are elective. The course is run by Department of Statistics. Students will be required to attend at least 24 units of courses, as well as writing a dissertation worth 8 units. mini-projects and lectures.

Data Science:

Data science combines computer science and statistics to solve exciting data-intensive problems in industry and many fields of science. As data is collected and analyzed in all areas of society, the demand for professional data scientists is high and will grow even further.

In the interdisciplinary **Master's Program in Data Science**, you are trained to work in data-intensive areas of industry and science, with the skills and knowledge needed to construct solutions to complex data analysis problems. You can specialize either in the core areas of data science, machine learning and algorithms, infrastructure and statistics, or in its applications. This means that you can focus on the development of new models and methods in data science, supported by the data science research carried out at the University of Birjand or you can become a data science specialist in an application field by incorporating studies in another subject.