

INDIRA GANDHI NATIONAL OPEN UNIVERSITY
Planning & Development Division

IG/P&DD/ODL/Launch/2023/ 419
 June 08, 2023

Academic Programme Launch No. 108
M.Sc. (Applied Statistics) - MSCAST

With the approval of the Competent Authority, the M.Sc. (Applied Statistics) - MSCAST, will be offered through ODL Mode from July 2023 Session.

The details of the Programme are as under:

Eligibility: Graduate with B.A./B.Sc. degree with Statistics/Mathematics as one of the subjects from any recognised University/ Institution/ Organisation.

Medium of Instruction: English

Duration: Minimum 2 years; Maximum 4 years

Fee Structure: ₹ 7700/- per semester (Total ₹ 30,800/-)

Programme Details: Total Credits 80

Examination Mode: Semester-wise

Study Materials: Print/Digital (Both)

Expected Enrolment: 250 per cycle

Courses:

Semester	Course Code	Title of the Course	Type of Course	Course Credits
I st	MST-011	Real Analysis, Calculus and Geometry	Theory	02
	MST-012	Probability and Probability Distributions	Theory	04
	MST-013	Survey Sampling and Design of Experiments-I	Theory	04
	MST-014	Statistical Quality Control and Time Series Analysis	Theory	04
	MST-015	Introduction to R Software	Theory	02
	MSTL-011	Statistical Computing using R-I	Lab	04
II nd	MST-016	Statistical Inference	Theory	04
	MST-017	Applied Regression Analysis	Theory	04
	MST-018	Multivariate Analysis	Theory	04
	MST-019	Epidemiology and Clinical Trials	Theory	02
	MSTL-012	Statistical Computing using R-II	Lab	06
III rd	MST-020	Survey Sampling and Design of Experiments-II	Theory	04
	MST-021	Classical and Bayesian Inference	Theory	04
	MST-022	Linear Algebra and Multivariate Calculus	Theory	04
	MST-023	Research Methodology	Theory	04
	MSTL-013	Statistical Computing using R-III	Lab	04
IV th	MST-024	Data Analysis with Python	Theory	02

Handwritten Signature
 Director / Director
 Planning & Development Division
 IGNOU, Maidan Park Road, New Delhi

Semester	Course Code	Title of the Course	Type of Course	Course Credits
	MSTL-014	Data Analysis with Python Lab	Lab	02
	MST-025	Categorical and Survival Analysis	Theory	02
	MST-026	Introduction to Machine Learning	Theory	04
	MSTL-015	Statistical Computing using R-IV	Lab	02
	MSTE-011	Operations Research*	Theory	04
	MSTE-012	Stochastic Processes*	Theory	04
	MSTP-011	Project/Dissertation*		08

*Candidate may opt either two theory courses "Operations Research" (4 credits) and "Stochastic Processes" (4 credits) together or Project/Dissertation.

Note: PG Diploma in Statistics and Applications (PGDSA) would be awarded after successful completion of first two semesters.

Details of Approval in the Academic Council: Approved in the 67th APC Meeting, held on June 01, 2023.

Contact Details of Programme Coordinators:

1. Dr. Neha Garg, Email: nehagarg@ignou.ac.in, Ph. 011-29572830
2. Dr. Prabhat Kumar Sangal, Email: prabhat.sangal@ignou.ac.in, Ph. 011-29572829

Prof. Neeti Agrawal
 Director, P&DD
 IGNOU, New Delhi-68

To
 Directors of Schools, Head of Divisions
 AR, VCO & PS to all PVCs