

## **BSC301: Operation Research**

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Operations Research (OR) refers to the science of decision making. This course provides a survey of fundamental methods of Operations Research and their applications at an introductory level. The emphasis is on applications rather than the details of methodology. Topics include: Decision Analysis, Fundamentals of Discrete Probability, Continuous Probability Distributions and Their Applications, Statistical Sampling, Simulation Modeling: Concepts and Practice, Regression Models: Concepts and Practice, Linear Optimization, Nonlinear Optimization, Discrete Optimization.