Indian Institute of Management Indore

INTEGRATED PROGRAMME IN MANAGEMENT (IPM)
TERM: IX

TITLE OF THE COURSE: STOCHASTIC CALCULUS – II

CREDITS: 2

COURSE DESCRIPTION

This workshop course presents the application of stochastic differential equation (SDE) in fields like finance, optimization and etc. The students will be able to thoroughly understand SDE and learn to simulate its sample paths. This is a follow-up course to “Introduction to Stochastic Calculus (ISC)”, which was offered in Term VII to IPM 2016 batch. Only those students who have attended ISC are eligible to take this course.

COURSE OBJECTIVES

1) To learn stochastic differential equation and its application
2) To learn simulation of stochastic differential equation.