International Summer School Program at Southeast University
2021 International Summer Courses on Mathematics and Statistics

Overview

This program will select appropriate problem models from the cutting-edge aspects of mathematics and statistics respectively, and introduce the latest research results in the related fields, in order to improve the understanding and utilization of knowledge for students. The emphasis of both theory and application is the highlight of this course. In addition, the reflection of the interdisciplinary cross-integration is also the main goal of this course. The program consists of three 24-hour short online courses with 1 credit for each course.

Course 1: Selected Topics in Modern Mathematics

Hours/Credits: 24 hours/ 1 credit

Lecturer: We will invite the team from University of Luxembourg to teach this course, including: Prof. Dr. Jean-Marc Schlenker, Dr. Fei Pu, Prof. Dr. Antonella Perucca , Prof. Dr. Gabor Wiese, Prof. Dr. Ivan Nourdin and Prof. Dr. Mark Podolskij.

Course 2: Selected Topics in Frontier of Scientific Computation
Part I : Machine Learning and Design optimization under uncertainty

Hours/Credits: 12 hours/ 0.5 credit

Lecturer: Prof. Matin Stynes, Beijing Computational Science Research Center

Part II: Introduction to Numerical Methods for Stochastic Differential Equations

Hours/Credits: 12 hours/ 0.5 credit

Lecturer: Prof. Yanzhao Cao, Department of Mathematics & Statistics, Auburn University

Course 3: Categorical Data Analysis

Hours/Credits: 24 hours/ 1 credit

Lecturer: Prof. Weixin Yao, Department of Statistics, University of California, Riverside

Time Period
Jul. 5 – Aug. 1, 2021

Requirements
Mainly for the students who have finished 2nd year undergraduate courses in math or statistics

Number of Participants
200

Application Deadline
Jun. 15, 2021

Host & Organizer
Southeast University / School of Mathematics

Contact Information
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