

Course List for Ph.D. in QR&OR

1. Mathematical Programming
2. Advanced Optimization Techniques
3. Linear algebra and matrix analysis
4. Real analysis
5. Game theory and decision making
6. Probability theory
7. SQC
8. Statistical methods
9. Multivariate analysis
10. Applied Stochastic Process
11. Linear Models
12. Time Series Analysis
13. Nonparametric analysis
14. Categorical Data Analysis
15. Reliability theory
16. Survival analysis
17. Advanced design of experiments
18. Machine learning techniques
19. Bayesian Methodology
20. Quality management system
21. Graph Theory
22. Combinatorics