

Course Code	Course Title	Spring 2020	Fall 2021	Spring 2021	Fall 2022	Spring 2022	Fall 2023	Spring 2023	Fall 2024	Spring 2024	Fall 2025
ININ 5005	MODERN OPTIMIZATION METHODS	☐	☐	☐	☒	☐	☐	☐	☒	☐	☐
ININ 5006	SYSTEMS ENGINEERING AND ANALYSIS	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
ININ 5007	COMPLEX SYSTEMS MODELING AND SYSTEM DYNAMICS	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
ININ 5009	LEAN SIX SIGMA METHODOLOGY	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒
ININ 5105	INTRODUCTION TO MEDICAL DEVICE DESIGN METHODS	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒
ININ 5405	STATISTICAL METHODS IN BIOINFORMATICS	☐	☐	☐	☐	☒	☐	☐	☐	☒	☒
ININ 5505	TOTAL QUALITY MANAGEMENT	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
ININ 5555	INTRODUCTION TO NON-LINEAR OPTIMIZATION AND NEURAL NETWORKS	☐	☐	☐	☒	☐	☐	☐	☒	☐	☐
ININ 5559	ENGINEERING STATISTICS	☐	☐	☒	☐	☐	☐	☒	☐	☐	☐
ININ 5565	MEASUREMENT AND PREDICTION OF PRODUCT RELIABILITY	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐
ININ 5575	SEQUENCING AND SCHEDULING OF RESOURCES	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐
ININ 5595	DESIGN AND MANAGEMENT OF SERVICES PROCESSES	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
ININ 6005	EXPERIMENTAL STATISTICS	☐	☒	☐	☒	☐	☒	☐	☒	☐	☒
ININ 6008	NETWORK FLOWS AND GRAPHS IN MANAGEMENT SCIENCE	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐
ININ 6010	MULTIPLE REGRESSION ANALYSIS	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐
ININ 6016	HUMAN FACTORS ENGINEERING	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐
ININ 6019	ADVANCED PRODUCTION CONTROL	☒	☐	☒	☐	☒	☐	☒	☐	☒	☐
ININ 6020	QUEUEING THEORY AND APPLICATIONS	☐	☐	☐	☒	☐	☐	☐	☒	☐	☐
ININ 6025	LINEAR AND DISCRETE OPTIMIZATION	☐	☒	☐	☐	☒	☐	☐	☒	☐	☐
ININ 6026	SYSTEMS SIMULATION	☐	☒	☐	☒	☐	☒	☐	☒	☐	☒
ININ 6030	ADVANCED ECONOMICS FOR ENGINEERS	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐
ININ 6036	INTRODUCTION TO TIME SERIES ANALYSIS	☐	☐	☒	☐	☐	☐	☒	☐	☐	☐
ININ 6045	MATERIAL HANDLING SYSTEMS	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐
ININ 6046	ADVANCED INDUSTRIAL EXPERIMENTATION	☐	☐	☒	☐	☐	☒	☐	☐	☒	☐
ININ 6048	KNOWLEDGE DISCOVERY IN ENGINEERING MULTIVARIATE DATA	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒
ININ 6055	MATHEMATICAL MODELS IN DISTRIBUTION LOGISTICS	☐	☐	☐	☒	☐	☐	☒	☐	☐	☒
ININ 6078	QUALITY CONTROL SYSTEMS	☒	☐	☐	☒	☐	☐	☒	☐	☐	☒