Interdisciplinary PhD Degree: Operations Research
Program Plan of Study

Name _____

Date _____

Degree _____

Home Department _____

Advisor _____

Degree Requirements	PhD
ORwE Core Course (see required list)	24
Elective Courses (see elective course list options)	12
Graduate Thesis/Dissertation Research Credit	24
Additional coursework or research credits	12
Total	72

Program Plan of Study

ORwE Core Courses	Credits	Semester	Year
1			
2			
3			
4			
5			
6			
7			
8			

Electives	Credits	Semester	Year
1	3		
2	3		
3	3		
4	3		

Graduate Thesis/Dissertation Research Credits	Credits	Semester	Year
XXXX707			
XXXX707			
XXXX707			
XXXX707			
XXXX707			

Is this a modification of a previously approved plan? If so, please explain modification below:

Instructions

1. carefully study the degree requirements and the course descriptions and prerequisites in the graduate bulletin

2. enter the semester and year that you plan to take, or have taken, MEGN501, and enroll in MEGN503 each semester

3. enter the complete numbers of the core course and technical elective courses that you plan to take indicating semester and year

4. enter the credits, semester and year of the thesis credits you plan to take

	ORwE Core Course	

Computer Science/Applied Math & Statistics		
CSCI/MATH406	ALGORITHMS	3
MATH530	STATISTICAL METHODS I	3
Economics and Business		
EBGN461 or MATH438	STOCHASTIC MODELS	3
EBGN555	LINEAR PROGRAMMING	3
Mechanical Engineering		
MEGN485	MANUFACTURING OPTIMIZATION WITH NETWORK MODELS	3
MEGN502	ADVANCED ENGINEERING ANALYSIS	3
MEGN588	INTEGER OPTIMIZATION	3
MEGN593 or	ENGINEERING DESIGN OPTIMIZATION	3
MEGN587	NONLINEAR OPTIMIZATION	

	ORwE Elective Course Options	

Computer Science/Applied Math & Statistics		
CSCI562	APPLIED ALGORITHMS AND DATA STRUCTURES	3
CSCI555	GAME THEORY AND NETWORKS	3
MATH531	STATISTICAL METHODS II	3
MATH532	SPATIAL STATISTICS	3
MATH537	MULTIVARIATE ANALYSIS	3
MATH582	STATISTICS PRACTICUM	3
MATH/CSCI 542	SIMULATION	3
Economics and Business		
EBGN509	MATHEMATICAL ECONOMICS	3
EBGN528	SIMULATION	3
EBGN560	DECISION ANALYSIS	3
EBGN575	REAL OPTIONS AND PRICING	
Electrical Engineering		
EENG517	THEORY AND DESIGN OF ADVANCED CONTROL SYSTEMS	3
Mechanical Engineering		
MEGN592	RISK AND RELIABILTIY ENGINEERING ANALYSIS & DESIGN	3
MEGN688	ADVANCED INTEGER OPTIMIZATION	
Mining Engineering		
MNGN536	OPERATIONS RESEARCH TECH IN THE MINERAL INDUSTRY	3
MNGN538	GEOSTATISTICAL ORE RESERVE ESTIMATION	3
Metallurgical & Materials Engineering		
MTGN450/MLGN550	STATISTICAL PROCESS CONTROL & DESIGN OF EXPERIMENTS	3
Other		
XXXX598/698	SPECIAL TOPICS (Requires Approval of Advisor and ORwE Director	