



Study Plan

Degree : Bachelor Faculty : Sciences Plan Hrs.: 136
 Semester : 385 Department : Statistics and Operations Res Plan Type : Major
 Edition : 3 Gender : Male
 Major : OPER Operations Research

Council Session: Deanship Session : Faculty Session : Dept Session:
 Council Date: Deanship Date: Faculty Date: Dept Date :

Group Type : Compulsory 1

First							
code	course name	H	G	L	H	requisite	Yrl
ENGS 100	English Language	6				-	-
ARAB 100	Writing Skills (O)	2				-	-
CT 101	IT Skills	3				-	-
ENT 101	Entrepreneurship	1				-	-
MATH 101	Differential Calculus	3				-	-
Total							15

Second							
code	course name	H	G	L	H	requisite	Yrl
STAT 101	Introduction to Probability and Statistics	3				-	-
EPH 101	Fitness and Health Education	1				-	-
CHEM 01	General Chemistry (1)	4				-	-
CI 101	University Skills	3				-	-
ENGS 110	English	6				ENGS 100 - / P	-
Total							17

Third							
code	course name	H	G	L	H	requisite	Yrl
OPER100	Introduction to Operations Research	4				MATH 101 - / P STAT 101 - / P	-
STAT105	Statistical Methods	4				STAT 101 - / P	-
MATH 11	Integral Calculus	4				MATH 101 - / P	-
CSC 111	Computer Programming (1)	4				CT 101 - / P	-
Total							16

Fourth							
code	course name	H	G	L	H	requisite	Yrl
OPER213	Linear Programming	4				MATH244 - / MC OPER100 - / P	-

Group Type : Compulsory 1

Fourth							
code	course name	H	G	L	H	requisite	Yrl
STAT215	Probability (1)	4				MATH111 - / P STAT 101 - / P	-
MATH244	Linear Algebra	3				MATH 101 - / P	-
STAT328	Statistical Packages	3				CSC 111 - / P STAT105 - / P	-
Total							14

Fifth							
code	course name	H	G	L	H	requisite	Yrl
MATH201	Differential & Integral Calculus	4				MATH111 - / P	-
OPER313	Integer Programming	3				OPER213 - / P	-
OPER351	Network Analysis	3				OPER213 - / P	-
OPER 385	Decisions & Game Theory	3				OPER213 - / P	-
Total							13

Sixth							
code	course name	H	G	L	H	requisite	Yrl
OPER322	Inventory Control	3				OPER213 - / P	-
OPER331	Nonlinear Optimization	4				MATH201 - / P OPER213 - / P	-
STAT332	Regression Analysis	3				MATH244 - / P STAT328 - / P	-
OPER 371	Stochastic Processes & Queues	4				MATH201 - / P STAT215 - / P	-
Total							14

Seventh							
code	course name	H	G	L	H	requisite	Yrl
STAT 423	Quality Control	2				STAT332 - / P	-
OPER435	Computational Methods in Operations Research	3				OPER331 - / P	-
OPER441	Modeling & Simulation	4				OPER 371 - / P	-

P : Pre-requisite

G : GPA level

H : Requisite HRS

C: Co- requisite MC : Mandatory Co-requisite NC: None Co- requisite L : Pre-course Level



Study Plan

Degree : Bachelor Faculty : Sciences Plan Hrs.: 136
 Semester : 385 Department : Statistics and Operations Res Plan Type : Major
 Edition : 3 Gender : Male
 Major : OPER Operations Research

Council Session: Deanship Session : Faculty Session : Dept Session:
 Council Date: Deanship Date: Faculty Date: Dept Date :

Category :

Group Type : Compulsory 1

Seventh							
code	course name	H	G	L	H	requisite	Yrl
OPER49 7	Graduation Project (1)	1				OPER 371 - / P OPER313 - / P	-
Total							10

Eighth							
code	course name	H	G	L	H	requisite	Yrl
STAT 336	Time Series & Forecasting	3				STAT332 - / P	-
STAT 340	Theory of Statistics (1)	3				STAT332 - / P	-
OPER49 8	Graduation Project (2)	2				OPER497 - / P	-
Total							8

Category :

Group Type : Elective 1 (8)

Group Type : Elective 1 (8)

code	course name	H	G	L	H	requisite	Yrl
IC 100	Studies in the Prophet Biography	2				IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
QURN 100	Quran Kareem	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC	-
IC 101	Principles of Islamic Culture	2				IC 100 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 102	Family in Islam	2				IC 100 - / NC IC 101 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 103	Economic System in Islam	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC	-



Study Plan

Degree : Bachelor Faculty : Sciences Plan Hrs.: 136
 Semester : 385 Department : Statistics and Operations Res Plan Type : Major
 Edition : 3 Gender : Male
 Major : OPER Operations Research

Council Session: Deanship Session : Faculty Session : Dept Session:
 Council Date: Deanship Date: Faculty Date: Dept Date :

Category :

Category :

Group Type : Elective 1 (8)

Group Type : Elective 1 (8)

code	course name	H	G	L	H	requisite	Yrl
						IC 109 - / NC QURN 100 - / NC	
IC 104	Islamic Political System	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 105	Human Rights	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 106	Medical Jurisprudence	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 107	Professional Ethics	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 108	Current Issues	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC	-

code	course name	H	G	L	H	requisite	Yrl
						IC 106 - / NC IC 107 - / NC IC 109 - / NC QURN 100 - / NC	
IC 109	Development Role of Women	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC QURN 100 - / NC	-
Total							22

Category :

Group Type : Elective 1 (9)

code	course name	H	G	L	H	requisite	Yrl
BUS 101	Principles of Management & Business	3		4		-	-
ECON101	Principles of Microeconomics	3		4		-	-
CSC 113	Computer Programming -2-	4		4		CSC 111 - / P	-
ACCT201	Principles of Accounting & Financial Reporting	3		4		-	-
IE 214	Industrial Operation Management (1)	3		4		STAT 101 - / P	-
ACTU 262	Actuarial Corporate Finance	3		4		MATH111 - / P	-
ACTU 371	Financial Mathematics	4		4		MATH111 - / P	-
GE 402	Management Of Engineering Projects	3		4		-	-
GE 403	Engineering Economy	2		4		-	-
Total							28
ECON102	Principles of Macroeconomics	3		4		ECON101 - / P	-

P : Pre-requisite

G : GPA level

H : Requisite HRS

C: Co- requisite MC : Mandetory Co--requisite NC: None Co- requisite L : Pre-course Level



Study Plan

Degree : Bachelor Faculty : Sciences Plan Hrs.: 136
 Semester : 385 Department : Statistics and Operations Res Plan Type : Major
 Edition : 3 Gender : Male
 Major : OPER Operations Research

Council Session: Deanship Session : Faculty Session : Dept Session:
 Council Date: Deanship Date: Faculty Date: Dept Date :

Category :

Category :

Group Type : Elective 1 (9)

Group Type : Elective 2 (12)

code	course name	H	G	L	H	requisite	Yrl
FIN 200	Principles of Finance	3		4		ACCT201 - / P	-
MIS 201	Management Information Systems	3		4		BUS 101 - / P	-
BUS 202	Human Resources Management	3		4		BUS 101 - / P	-
CSC 212	Data Structures	3		4		CSC 113 - / P	-
IE 314	Industrial Operations Management (2)	3		4		IE 214 - / P	-
BUS 371	Operations Management	3		4		BUS 101 - / P	-
ACTU 471	Financial Derivatives	3		4		ACTU 371 - / P	-
Total							24

code	course name	H	G	L	H	requisite	Yrl
ECON2 11	Money & Banking	3		4		ECON102 - / P	-
FIN 220	Investment Essentials	3		4		FIN 200 - / P	-
FIN 240	Principles of Risk & Insurance	3		4		FIN 200 - / P	-
CSC 380	Fundamentals Of Database Systems	3		4		CSC 212 - / P	-
Total							12

code	course name	H	G	L	H	requisite	Yrl
STAT 322	Decision Theory	2				STAT215 - / P	-
STAT33 1	Sampling Techniques	3				STAT215 - / P	-
STAT33 3	Nonparametric Statistics Methods	3				STAT105 - / P	-
STAT 337	Design & Analysis of Experiments	3				STAT328 - / P	-
STAT 339	Data Analysis	3				STAT332 - / P	-
STAT36 2	Reliability Theory	3				STAT215 - / P	-
STAT 402	Econometrics	2				STAT332 - / P	-
OPER 415	Dynamic Programming	3				OPER331 - / P	-
OPER45 3	Sequencing & Scheduling	3				OPER331 - / P	-
OPER49 0	Special Applications in Operations Research	3				OPER331 - / P	-
OPER49 2	Pricing & Revenue Management	3				OPER331 - / P	-
Total							31

code	course name	H	G	L	H	requisite	Yrl
STAT 429	Statistical Survey Methods	3				STAT331 - / P	-
STAT43 4	Linear Models	3				MATH244 - / P	-
Total							6