

College name: Science

Department name: Department of Statistics

General Courses – 1

Priorities	Weekly hours		Number of units	Course Name	Course Code
	Lab	Lecture			
—	—	2	2	Arabic language 1	AR 101
AR 101	—	2	2	Arabic language 2	AR 102
—	—	2	2	English language 1	EN 101
EN 101	—	2	2	English language 2	EN 102
—	—	1	1	Cultural Course	CHA100

CORE COURSES –2

Priorities	Weekly hours		Number of units	Course Name	Course Code
	Lab	Lecture			
—	—	4	4	Introduction to statistics	ST 101
ST 101	—	4	4	Introduction to Probabilities	ST 102
ST 102	—	3	3	Statistical programs	ST 103
—	—	3	3	Population aware	ST 104
ST 102+ STMA101	—	4	4	Mathematical Statistics 1	ST 201
ST 201+ STMA201	—	4	4	Mathematical Statistics 2	ST 202
ST 102	—	4	4	Design and analysis of experiments 1	ST 308
ST 308	—	4	4	Design and analysis of experiments 2	ST 309
ST 202	—	3	3	Sampling distributions	ST 302
ST 202+ST401	—	4	4	Multivariate analysis	ST 301
ST 102	—	3	3	Non-parametric methods	ST 303
ST 201	—	3	3	Sampling techniques	ST 304
ST 302	—	4	4	Estimation theory	ST 305
ST 305	—	4	4	Hypothesis tests	ST 306
ST 102	—	3	3	Operations Research	ST 307
ST102+ STMA203	—	4	4	Linear models 1	ST 401
ST 401	—	4	4	Linear models 2	ST402
ST 202	—	4	4	Probability theories	ST 403
ST 403	—	4	4	Bayesian statistics	ST 405
ST 401	—	3	3	Time series analysis	ST 406
ST 101	—	3	3	R language	ST 207
ST302	—	4	4	Stochastic process	ST 311
ST 202	—	3	3	Programming and simulation using R	St 312
At least 100 units	—	2	2	Graduation project	ST 409

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	Lab	Lecture			
—	—	3	3	Basics of mathematics	STMA00
—	—	3	3	Mathematics 1	STMA 100
STMA 100	—	3	3	Mathematics 2	STMA 101
STMA 101	—	3	3	Mathematics 3	STMA201
STMA201	—	3	3	Advanced mathematics	STMA 202
—	—	3	3	Linear algebra	STAM203
STMA201	—	3	3	Complex variables	STMA 301
STMA201+STCS101	—	3	3	Numerical methods	ST MA204
STMA204	—	3	3	Numerical Analysis	STMA205
—	—	3	3	Programming 1	STCS101
STCS102	—	3	3	Programming 2	STCS102

Elective COURSES – 3

Priorities	Weekly hours		Number of units	Course Name	Course Code
	Lab	Lecture			
St101	—	3	3	Economic and Population Statistics	ST 211
ST103+ST207	—	3	3	data analysis	ST310
ST305	—	3	3	Basics of decision theory	ST 411
ST304	—	3	3	Statistical survey	ST412
ST 401	—	3	3	Reliability theory	ST4 13
—	—	2	2	Research methods	ST 414
ST 406	—	3	3	Economy and planning	ST 417
ST102	—	3	3	Statistical applications	ST 210
ST 102	—	3	3	Analysis of variance	ST 203
ST 203	—	3	3	Applied regression analysis	ST 204
ST 102	—	3	3	Quality control	ST 205
ST 402+ST 309	—	3	3	statistical analysis	ST 404
ST 402+ ST 306	—	3	3	Generalized regression models	ST 415
ST 402	—	3	3	Survival analysis	ST 416

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Head of Department