



Study Plan

faculty (College of Science) dept (Biology) major (Botany) - Master (edition 1)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO611-2	Biochemistry and Molecular Biology	2	0	0	2	
BIO612-2	Advanced Biostatistics	2	0	0	2	
BIO613-2	Instrumental Analysis	2	0	0	2	
Total						6

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO614-2	Experimental Design	1	2	0	2	
BIO615-1	Seminar	1	0	0	1	
BIO699-8	M Sc. Thesis	8	0	0	8	
Total						11

Third - Elective

Code	course Name	N	A	T	H	Prerequisite
BOT641-3	Plant Ecophysiology	3	0	0	3	
BOT642-3	Plant Population Ecology	3	0	0	3	
BOT643-3	Advanced Plant Taxonomy	3	0	0	3	
BOT648-3	Analysis of Plant Material	3	0	0	3	
BOT649-3	Special Topics in Botany	3	0	0	3	
Total						

Fourth - Elective

Code	course Name	N	A	T	H	Prerequisite
BOT640-3	Molecular Plant Physiology	3	0	0	3	
BOT644-3	Palynology	3	0	0	3	
BOT645-3	Plant Geography	3	0	0	3	
BOT646-3	Saudi Flora	3	0	0	3	
BOT647-3	Soil Science	3	0	0	3	
Total						

Total : 35



Study Plan

faculty (College of Science) dept (Biology) major (Botany) - Master (edition 2)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO611-2	Biochemistry and Molecular Biology	2	0	0	2	
BIO612-2	Advanced Biostatistics	2	0	0	2	
BIO613-2	Instrumental Analysis	2	0	0	2	
Total						6

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO615-1	Seminar	1	0	0	1	
ZOO654-3	Advanced Genetics	3	0	0	3	
Total						4

Fourth - Elective

Code	course Name	N	A	T	H	Prerequisite
BOT649-3	Special Topics in Botany	3	0	0	3	
Total						

Sixth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO699-8	M Sc. Thesis	8	0	0	8	
Total						8

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MIC633-3	Host-Parasite Relationship	3	0	0	3	
BIO614-2	Experimental Design	1	2	0	2	
Total						5

Fourth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BOT647-3	Soil Science	3	0	0	3	
Total						3

Fifth - Elective

Code	course Name	N	A	T	H	Prerequisite
BOT640-3	Molecular Plant Physiology	3	0	0	3	
BOT641-3	Plant Ecophysiology	3	0	0	3	
BOT642-3	Plant Population Ecology	3	0	0	3	
BOT643-3	Advanced Plant Taxonomy	3	0	0	3	
BOT644-3	Palynology	3	0	0	3	
BOT645-3	Plant Geography	3	0	0	3	
BOT646-3	Saudi Flora	3	0	0	3	
BOT648-3	Analysis of Plant Material	3	0	0	3	
Total						

Total : 35



Study Plan

faculty (College of Science) dept (Biology) major (Microbiology) - Master (edition 1)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO611-2	Biochemistry and Molecular Biology	2	0	0	2	
BIO612-2	Advanced Biostatistics	2	0	0	2	
BIO613-2	Instrumental Analysis	2	0	0	2	
Total						6

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO614-2	Experimental Design	1	2	0	2	
BIO615-1	Seminar	1	0	0	1	
BIO699-8	M Sc. Thesis	8	0	0	8	
Total						11

Third - Elective

Code	course Name	N	A	T	H	Prerequisite
MIC631-3	Advanced Microbial Physiology	3	0	0	3	
MIC632-3	Algal Physiology	3	0	0	3	
MIC633-3	Host-Parasite Relationship	3	0	0	3	
MIC635-3	Microbial Genetics	3	0	0	3	
MIC638-3	Microbial Biotechnology	3	0	0	3	
Total						

Fourth - Elective

Code	course Name	N	A	T	H	Prerequisite
MIC630-3	Advanced Bacteriology	3	0	0	3	
MIC634-3	Advanced Plant Pathology	3	0	0	3	
MIC636-3	Microbial Ecology	3	0	0	3	
MIC637-3	Food Microbiology	3	0	0	3	
MIC639-3	Special Topics in Microbiology	3	0	0	3	
Total						

Total : 35



Study Plan

faculty (College of Science) dept (Biology) major (Microbiology) - Master (edition 2)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO611-2	Biochemistry and Molecular Biology	2	0	0	2	
BIO612-2	Advanced Biostatistics	2	0	0	2	
BIO613-2	Instrumental Analysis	2	0	0	2	
Total						6

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO615-1	Seminar	1	0	0	1	
ZOO654-3	Advanced Genetics	3	0	0	3	
Total						4

Fourth - Elective

Code	course Name	N	A	T	H	Prerequisite
MIC639-3	Special Topics in Microbiology	3	0	0	3	
Total						

Sixth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO699-8	M Sc. Thesis	8	0	0	8	
Total						8

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MIC633-3	Host-Parasite Relationship	3	0	0	3	
BIO614-2	Experimental Design	1	2	0	2	
Total						5

Fourth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MIC631-3	Advanced Microbial Physiology	3	0	0	3	
Total						3

Fifth - Elective

Code	course Name	N	A	T	H	Prerequisite
MIC630-3	Advanced Bacteriology	3	0	0	3	
MIC632-3	Algal Physiology	3	0	0	3	
MIC634-3	Advanced Plant Pathology	3	0	0	3	
MIC635-3	Microbial Genetics	3	0	0	3	
MIC636-3	Microbial Ecology	3	0	0	3	
MIC637-3	Food Microbiology	3	0	0	3	
MIC638-3	Microbial Biotechnology	3	0	0	3	
Total						

Total : 35



Study Plan

faculty (College of Science) dept (Biology) major (Zoology) - Master (edition 1)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO611-2	Biochemistry and Molecular Biology	2	0	0	2	
BIO612-2	Advanced Biostatistics	2	0	0	2	
BIO613-2	Instrumental Analysis	2	0	0	2	
Total						6

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO614-2	Experimental Design	1	2	0	2	
BIO615-1	Seminar	1	0	0	1	
BIO699-8	M Sc. Thesis	8	0	0	8	
Total						11

Third - Elective

Code	course Name	N	A	T	H	Prerequisite
ZOO652-3	Advanced Embryology	3	0	0	3	
ZOO654-3	Advanced Genetics	3	0	0	3	
ZOO655-3	Insect Taxonomy	3	0	0	3	
ZOO656-3	Insect Physiology	3	0	0	3	
ZOO659-3	Special Topics in Zoology	3	0	0	3	
Total						

Fourth - Elective

Code	course Name	N	A	T	H	Prerequisite
ZOO650-3	Advanced Invertebrate	3	0	0	3	
ZOO651-3	Advanced Parasitology	3	0	0	3	
ZOO653-3	Advanced Animal Ecology	3	0	0	3	
ZOO657-3	Comparative Vertebrate Anatomy	3	0	0	3	
ZOO658-3	Comparative Animal Physiology	3	0	0	3	
Total						

Total : 35



Study Plan

faculty (College of Science) dept (Biology) major (Zoology) - Master (edition 2)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO611-2	Biochemistry and Molecular Biology	2	0	0	2	
BIO612-2	Advanced Biostatistics	2	0	0	2	
BIO613-2	Instrumental Analysis	2	0	0	2	
Total						6

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO615-1	Seminar	1	0	0	1	
ZOO654-3	Advanced Genetics	3	0	0	3	
Total						4

Fourth - Elective

Code	course Name	N	A	T	H	Prerequisite
ZOO659-3	Special Topics in Zoology	3	0	0	3	
Total						

Sixth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO699-8	M Sc. Thesis	8	0	0	8	
Total						8

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MIC633-3	Host-Parasite Relationship	3	0	0	3	
BIO614-2	Experimental Design	1	2	0	2	
Total						5

Fourth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
ZOO658-3	Comparative Animal Physiology	3	0	0	3	
Total						3

Fifth - Elective

Code	course Name	N	A	T	H	Prerequisite
ZOO650-3	Advanced Invertebrate	3	0	0	3	
ZOO651-3	Advanced Parasitology	3	0	0	3	
ZOO652-3	Advanced Embryology	3	0	0	3	
ZOO653-3	Advanced Animal Ecology	3	0	0	3	
ZOO655-3	Insect Taxonomy	3	0	0	3	
ZOO656-3	Insect Physiology	3	0	0	3	
ZOO657-3	Comparative Vertebrate Anatomy	3	0	0	3	
Total						

Total : 35



Study Plan

faculty (College of Science) dept (Mathematics) major (Mathematics) - Master (edition 1)

First - Elective						
Code	course Name	N	A	T	H	Prerequisite
MATH603-3	Complex Analysis I	3	0	0	3	
MATH604-3	Numerical Analysis	3	0	0	3	
MATH605-3	Theory of Differential Equation	3	0	0	3	
MATH606-3	Mathematical Statistics I	3	0	0	3	
Total						7

Second - Elective						
Code	course Name	N	A	T	H	Prerequisite
MATH601-3	Abstract Algebra I	3	0	0	3	
MATH602-3	Real Analysis I	3	0	0	3	
MATH607-3	Probability Theory I	3	0	0	3	
MATH660-3	Mathematical Statistics II	3	0	0	3	
MATH661-3	Regression and Experimental Design	3	0	0	3	
MATH662-3	Times Series Analysis	3	0	0	3	
MATH672-3	Stochastic Processes	3	0	0	3	
Total						8

First - Elective						
Code	course Name	N	A	T	H	Prerequisite
MATH620-3	Abstract Algebra II	3	0	0	3	
MATH621-3	Theory of Numbers	3	0	0	3	
MATH630-3	Real Analysis II	3	0	0	3	
MATH631-3	Topology	3	0	0	3	
MATH632-3	Function Analysis	3	0	0	3	
MATH640-3	Numerical Methods for Ordinary Differential Equation (ODEs)	3	0	0	3	
MATH641-3	Numerical Methods for Partial Differential Equation (PDEs)	3	0	0	3	
MATH642-3	Approximation theory	3	0	0	3	
MATH643-3	Optimization	3	0	0	3	
MATH671-3	Reliability Theory and Life Testing	3	0	0	3	
Total						21

Second - Elective						
Code	course Name	N	A	T	H	Prerequisite
MATH699-6	Thesis	6	0	0	6	
Total						

Total : 36



Study Plan

faculty (College of Science) dept (Mathematics) major (Mathematics) - Master (edition 2)

First - Elective						
Code	course Name	N	A	T	H	Prerequisite
MATH601-3	Abstract Algebra I	3	0	0	3	
MATH602-3	Real Analysis I	3	0	0	3	
Total						

Total : 36



Study Plan

faculty (College of Science) dept (Mathematics) major (Mathematics) - Master (edition 3)

First - Elective

Code	course Name	N	A	T	H	Prerequisite
MATH601-3	Abstract Algebra I	3	0	0	3	
MATH602-3	Real Analysis I	3	0	0	3	
Total						

Third - Elective

Code	course Name	N	A	T	H	Prerequisite
MATH605-3	Theory of Differential Equation	3	0	0	3	
MATH606-3	Mathematical Statistics I	3	0	0	3	
Total						

Second - Elective

Code	course Name	N	A	T	H	Prerequisite
MATH603-3	Complex Analysis I	3	0	0	3	
MATH604-3	Numerical Analysis	3	0	0	3	
Total						

Fourth - Elective

Code	course Name	N	A	T	H	Prerequisite
MATH607-3	Probability Theory I	3	0	0	3	MATH606-3
MATH620-3	Abstract Algebra II	3	0	0	3	MATH601-3
MATH622-3	Topics in Algebra	3	0	0	3	MATH601-3
MATH641-3	Numerical Methods for Partial Differential Equation (PDEs)	3	0	0	3	
MATH642-3	Approximation theory	3	0	0	3	MATH604-3
MATH660-3	Mathematical Statistics II	3	0	0	3	MATH606-3
MATH661-3	Regression and Experimental Design	3	0	0	3	MATH606-3
Total						



Study Plan

faculty (College of Science) dept (Mathematics) major (Mathematics) - Master (edition 3)

Fifth - Elective						
Code	course Name	N	A	T	H	Prerequisite
MATH621-3	Theory of Numbers	3	0	0	3	
MATH630-3	Real Analysis II	3	0	0	3	MATH602-3
MATH631-3	Topology	3	0	0	3	MATH602-3
MATH632-3	Function Analysis	3	0	0	3	MATH602-3
MATH633-3	Topics in Analysis	3	0	0	3	MATH602-3
MATH640-3	Numerical Methods for Ordinary Differential Equation (ODEs)	3	0	0	3	MATH604-3
MATH643-3	Optimization	3	0	0	3	MATH604-3
MATH650-3	Integral Differential Equations	3	0	0	3	MATH605-3
MATH651-3	Mathematical Modeling	3	0	0	3	MATH605-3
MATH662-3	Times Series Analysis	3	0	0	3	MATH606-3
MATH663-3	Topics in Mathematical Statistics	3	0	0	3	MATH606-3
MATH672-3	Stochastic Processes	3	0	0	3	MATH606-3
MATH696-3	Selected Topics	3	0	0	3	MATH604-3
Total						

Sixth - Elective						
Code	course Name	N	A	T	H	Prerequisite
MATH699-6	Thesis	6	0	0	6	
Total						

Total : 36



Study Plan

faculty (College of Science) dept (Physics) major (Physics) - Master (edition 1)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS600-3	Mathematical Physics	3	0	0	3	
PHYS601-3	Classical Mechanics	3	0	0	3	
PHYS602-3	Classical Electrodynamics	3	0	0	3	
Total						9

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS603-3	Quantum Mechanics	3	0	0	3	
PHYS604-3	Statistical Mechanics	3	0	0	3	
Total						6

Second - Elective

Code	course Name	N	A	T	H	Prerequisite
PHYS610-3	Computational Physics	2	2	0	3	
PHYS611-3	Physics Laboratory	0	6	0	3	
PHYS620-3	Atomic and Molecular Physics	3	0	0	3	
Total						

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS695-3	Research Seminar	3	0	0	3	
Total						3

Third - Elective

Code	course Name	N	A	T	H	Prerequisite
PHYS621-3	Quantum Optics	3	0	0	3	
PHYS622-3	Plasma Physics	3	0	0	3	
PHYS640-3	Solid State Physics	3	0	0	3	
PHYS641-3	Materials Science	3	0	0	3	
PHYS642-3	Magnetism and Superconductivity	3	0	0	3	
PHYS650-3	Nuclear Structure and Spectroscopy	3	0	0	3	
PHYS651-3	Radiation Physics	3	0	0	3	
PHYS660-3	Quantum Field Theory	3	0	0	3	
PHYS661-3	Particle Physics	3	0	0	3	
PHYS665-3	Selected Topics in Specialized Physics	3	0	0	3	
Total						

Fourth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS699-6	Thesis	6	0	0	6	
Total						6

Total : 33



Study Plan

faculty (College of Science) dept (Physics) major (Physics) - Master (edition 2)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS6013	Classical Mechanics	3	0	0	3	
Total						3

Total : 3



Study Plan

faculty (College of Science) dept (Physics) major (Physics) - Master (edition 3)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS600-3	Mathematical Physics	3	0	0	3	
PHYS601-3	Classical Mechanics	3	0	0	3	
PHYS602-3	Classical Electrodynamics	3	0	0	3	
Total						9

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS603-3	Quantum Mechanics	3	0	0	3	
PHYS604-3	Statistical Mechanics	3	0	0	3	
Total						6

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS695-3	Research Seminar	3	0	0	3	
Total						3

Fourth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS699-6	Thesis	6	0	0	6	
Total						6

Total : 33



Study Plan

faculty (College of Science) dept (Physics) major (Physics) - Master (edition 4)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS600-3	Mathematical Physics	3	0	0	3	
PHYS601-3	Classical Mechanics	3	0	0	3	
Total						6

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS604-3	Statistical Mechanics	3	0	0	3	
Total						3

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS602-3	Classical Electrodynamics	3	0	0	3	
PHYS603-3	Quantum Mechanics	3	0	0	3	
Total						6

Third - Elective

Code	course Name	N	A	T	H	Prerequisite
PHYS610-3	Computational Physics	2	2	0	3	
PHYS611-3	Physics Laboratory	0	6	0	3	
PHYS620-3	Atomic and Molecular Physics	3	0	0	3	
PHYS642-3	Magnetism and Superconductivity	3	0	0	3	
PHYS665-3	Selected Topics in Specialized Physics	3	0	0	3	
Total						

Fourth - Elective

Code	course Name	N	A	T	H	Prerequisite
PHYS621-3	Quantum Optics	3	0	0	3	
PHYS622-3	Plasma Physics	3	0	0	3	
PHYS640-3	Solid State Physics	3	0	0	3	
PHYS641-3	Materials Science	3	0	0	3	
PHYS650-3	Nuclear Structure and Spectroscopy	3	0	0	3	
PHYS651-3	Radiation Physics	3	0	0	3	
PHYS660-3	Quantum Field Theory	3	0	0	3	
PHYS661-3	Particle Physics	3	0	0	3	
Total						

Fifth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS695-3	Research Seminar	3	0	0	3	
Total						3

Sixth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS699-6	Thesis	6	0	0	6	
Total						6

Total : 33



Study Plan

faculty (College of Science) dept (Biology) major () - Master (edition 1)

First - Compulsory						
Code	course Name	N	A	T	H	Prerequisite
BIO611-2	Biochemistry and Molecular Biology	2	0	0	2	
Total						2

Total : 2



Study Plan

faculty (College of Science) dept (Mathematics) major () - Master (edition 1)

First - Compulsory						
Code	course Name	N	A	T	H	Prerequisite
MATH601		3	0	0	3	
MATH602		3	0	0	3	
Total						6

Total : 6



Study Plan

faculty (College of Science) dept (Mathematics) major () - Master (edition 1)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MATH601		3	0	0	3	
MATH602		3	0	0	3	
Total						6

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MATH605-3	Theory of Differential Equation	3	0	0	3	
MATH606		3	0	0	3	
Total						6

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MATH603		3	0	0	3	
MATH604-3	Numerical Analysis	3	0	0	3	
Total						6

Fourth - Elective

Code	course Name	N	A	T	H	Prerequisite
MATH607-3	Probability Theory I	3	0	0	3	
MATH620-3	Abstract Algebra II	3	0	0	3	
MATH622-3	Topics in Algebra	3	0	0	3	
MATH630-3	Real Analysis II	3	0	0	3	
MATH640-3	Numerical Methods for Ordinary Differential Equation (ODEs)	3	0	0	3	
MATH642-3	Approximation theory	3	0	0	3	
MATH643-3	Optimization	3	0	0	3	
MATH660-3	Mathematical Statistics II	3	0	0	3	
MATH661-3	Regression and Experimental Design	3	0	0	3	
Total						

Fifth - Elective

Code	course Name	N	A	T	H	Prerequisite
MATH631-3	Topology	3	0	0	3	
MATH632-3	Function Analysis	3	0	0	3	
MATH633-3	Topics in Analysis	3	0	0	3	
MATH650-3	Integral Differential Equations	3	0	0	3	
MATH651-3	Mathematical Modeling	3	0	0	3	
MATH662-3	Times Series Analysis	3	0	0	3	
MATH663-3	Topics in Mathematical Statistics	3	0	0	3	
MATH672-3	Stochastic Processes	3	0	0	3	
MATH696-3	Selected Topics	3	0	0	3	
Total						

Sixth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MATH699		6	0	0	6	
Total						6



Study Plan

faculty (College of Science) dept (Mathematics) major () - Master (edition 1)

Total : 36



Study Plan

faculty (College of Science) dept (Mathematics) major () - Master (edition 2)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MATH601		3	0	0	3	
MATH602		3	0	0	3	
MATH604	Numerical Analysis	3	0	0	3	
-3						
Total						9

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MATH603		3	0	0	3	
MATH605	Theory of Differential	3	0	0	3	
-3	Equation					
MATH606		3	0	0	3	
Total						9

Third - Elective

Code	course Name	N	A	T	H	Prerequisite
MATH607	Probability Theory I	3	0	0	3	MATH606
-3						
MATH620	Abstract Algebra II	3	0	0	3	MATH601
-3						
MATH622	Topics in Algebra	3	0	0	3	MATH601
-3						
MATH630	Real Analysis II	3	0	0	3	MATH602
-3						
MATH631	Topology	3	0	0	3	MATH602
-3						
MATH632	Function Analysis	3	0	0	3	MATH602
-3						
MATH633	Topics in Analysis	3	0	0	3	MATH602
-3						
MATH640	Numerical Methods for	3	0	0	3	MATH604
-3	Ordinary Differential Equation					3
	(ODEs)					
MATH642	Approximation theory	3	0	0	3	MATH604
-3						3
MATH643	Optimization	3	0	0	3	MATH604
-3						3
MATH650	Integral Differential	3	0	0	3	MATH605
-3	Equations					3
MATH651	Mathematical Modeling	3	0	0	3	MATH605
-3						3
MATH660	Mathematical Statistics II	3	0	0	3	MATH606
-3						
MATH661	Regression and Experimental	3	0	0	3	MATH606
-3	Design					
MATH662	Times Series Analysis	3	0	0	3	MATH606
-3						
MATH663	Topics in Mathematical	3	0	0	3	MATH606
-3	Statistics					
MATH672	Stochastic Processes	3	0	0	3	MATH606
-3						
MATH696	Selected Topics	3	0	0	3	MATH604
-3						3
Total						

Fourth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MATH699		6	0	0	6	
Total						6

Total : 36



Study Plan

faculty (College of Science) dept (Physics) major () - Master (edition 1)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS600 3	Mathematical Physics	3	0	0	3	
PHYS601 3	Classical Mechanics	3	0	0	3	
Total						6

Total : 6



Study Plan

faculty (College of Science) dept (Physics) major () - Master (edition 1)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS600-3	Mathematical Physics	3	0	0	3	
PHYS601-3		3	0	0	3	
Total						6

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS604-3	Statistical Mechanics	3	0	0	3	
Total						3

Fourth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS695-3	Research Seminar	3	0	0	3	
Total						3

Sixth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS699-6	Thesis	6	0	0	6	
Total						6

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS602-3	Classical Electrodynamics	3	0	0	3	
PHYS603-3	Quantum Mechanics	3	0	0	3	
Total						6

Third - Elective

Code	course Name	N	A	T	H	Prerequisite
PHYS610-3	Computational Physics	2	2	0	3	
PHYS611-3	Physics Laboratory	0	6	0	3	
PHYS620-3	Atomic and Molecular Physics	3	0	0	3	
PHYS621-3	Quantum Optics	3	0	0	3	
Total						

Fourth - Elective

Code	course Name	N	A	T	H	Prerequisite
PHYS622-3	Plasma Physics	3	0	0	3	
PHYS640-3	Solid State Physics	3	0	0	3	
PHYS641-3	Materials Science	3	0	0	3	
PHYS642-3	Magnetism and Superconductivity	3	0	0	3	
PHYS650-3	Nuclear Structure and Spectroscopy	3	0	0	3	
PHYS651-3	Radiation Physics	3	0	0	3	
PHYS660-3	Quantum Field Theory	3	0	0	3	
PHYS661-3	Particle Physics	3	0	0	3	
PHYS665-3	Selected Topics in Specialized Physics	3	0	0	3	
Total						

Total : 33



Study Plan

faculty (College of Science) dept (Physics) major () - Master (edition 2)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS600-3	Mathematical Physics	3	0	0	3	
PHYS601-3	Classical Mechanics	3	0	0	3	
PHYS602-3	Classical Electrodynamics	3	0	0	3	
Total						9

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS603-3	Quantum Mechanics	3	0	0	3	
PHYS604	Statistical Mechanics	3	0	0	3	
Total						6

Second - Elective

Code	course Name	N	A	T	H	Prerequisite
PHYS610-3	Computational Physics	2	2	0	3	
PHYS611-3	Physics Laboratory	0	6	0	3	
PHYS620-3	Atomic and Molecular Physics	3	0	0	3	
PHYS642-3	Magnetism and Superconductivity	3	0	0	3	
PHYS665-3	Selected Topics in Specialized Physics	3	0	0	3	
Total						

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS695-3	Research Seminar	3	0	0	3	
Total						3

Third - Elective

Code	course Name	N	A	T	H	Prerequisite
PHYS621-3	Quantum Optics	3	0	0	3	
PHYS622-3	Plasma Physics	3	0	0	3	
PHYS640-3	Solid State Physics	3	0	0	3	
PHYS641-3	Materials Science	3	0	0	3	
PHYS650-3	Nuclear Structure and Spectroscopy	3	0	0	3	
PHYS651-3	Radiation Physics	3	0	0	3	
PHYS660-3	Quantum Field Theory	3	0	0	3	
PHYS661-3	Particle Physics	3	0	0	3	
Total						

Fourth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
PHYS699-6	Thesis	6	0	0	6	
Total						6

Total : 33



Study Plan

faculty (College of Science) dept (Biology) major () - Master (edition 1)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO611	Biochemistry and Molecular Biology	2	0	0	2	
BIO612	Advanced Biostatistics	2	0	0	2	
BIO613	Instrumental Analysis	2	0	0	2	
Total						6

Total : 6



Study Plan

faculty (College of Science) dept (Biology) major () - Master (edition 1)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO611	Biochemistry and Molecular Biology	2	0	0	2	
BIO612	Advanced Biostatistics	2	0	0	2	
BIO613	Instrumental Analysis	2	0	0	2	
Total						6

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO615-1	Seminar	1	0	0	1	
ZOO654-3	Advanced Genetics	3	0	0	3	
Total						4

Fifth - Elective

Code	course Name	N	A	T	H	Prerequisite
MIC630-3	Advanced Bacteriology	3	0	0	3	
MIC632-3	Algal Physiology	3	0	0	3	
MIC634-3	Advanced Plant Pathology	3	0	0	3	
MIC635-3	Microbial Genetics	3	0	0	3	
MIC636-3	Microbial Ecology	3	0	0	3	
MIC637-3	Food Microbiology	3	0	0	3	
MIC638-3	Microbial Biotechnology	3	0	0	3	
Total						

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MIC633-3	Host-Parasite Relationship	3	0	0	3	
BIO614-2	Experimental Design	1	2	0	2	
Total						5

Fourth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MIC631-3	Advanced Microbial Physiology	3	0	0	3	
MIC639-3	Special Topics in Microbiology	3	0	0	3	
Total						6

Sixth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO699-8	M Sc. Thesis	8	0	0	8	
Total						8

Total : 35



Study Plan

faculty (College of Science) dept (Biology) major () - Master (edition 2)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MIC633-3	Host-Parasite Relationship	3	0	0	3	
BIO611	Biochemistry and Molecular Biology	2	0	0	2	
BIO612	Advanced Biostatistics	2	0	0	2	
BIO613	Instrumental Analysis	2	0	0	2	
Total						9

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MIC639-3	Special Topics in Microbiology	3	0	0	3	
Total						3

Fourth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO699-8	M Sc. Thesis	8	0	0	8	
Total						8

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MIC631-3	Advanced Microbial Physiology	3	0	0	3	
BIO614-2	Experimental Design	1	2	0	2	
BIO615-1	Seminar	1	0	0	1	
ZOO654-3	Advanced Genetics	3	0	0	3	
Total						9

Third - Elective

Code	course Name	N	A	T	H	Prerequisite
MIC630-3	Advanced Bacteriology	3	0	0	3	
MIC632-3	Algal Physiology	3	0	0	3	
MIC634-3	Advanced Plant Pathology	3	0	0	3	
MIC635-3	Microbial Genetics	3	0	0	3	
MIC636-3	Microbial Ecology	3	0	0	3	
MIC637-3	Food Microbiology	3	0	0	3	
MIC638-3	Microbial Biotechnology	3	0	0	3	
Total						

Total : 35



Study Plan

faculty (College of Science) dept (Biology) major () - Master (edition 1)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO611	Biochemistry and Molecular Biology	2	0	0	2	
BIO612	Advanced Biostatistics	2	0	0	2	
BIO613	Instrumental Analysis	2	0	0	2	
Total						6

Total : 6



Study Plan

faculty (College of Science) dept (Biology) major () - Master (edition 2)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MIC633-3	Host-Parasite Relationship	3	0	0	3	
BIO611	Biochemistry and Molecular Biology	2	0	0	2	
BIO612	Advanced Biostatistics	2	0	0	2	
BIO613	Instrumental Analysis	2	0	0	2	
Total						9

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
ZOO659-3	Special Topics in Zoology	3	0	0	3	
Total						3

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO614-2	Experimental Design	1	2	0	2	
BIO615-1	Seminar	1	0	0	1	
ZOO654-3	Advanced Genetics	3	0	0	3	
ZOO658-3	Comparative Animal Physiology	3	0	0	3	
Total						9

Third - Elective

Code	course Name	N	A	T	H	Prerequisite
ZOO650-3	Advanced Invertebrate	3	0	0	3	
ZOO651-3	Advanced Parasitology	3	0	0	3	
ZOO652-3	Advanced Embryology	3	0	0	3	
ZOO653-3	Advanced Animal Ecology	3	0	0	3	
ZOO655-3	Insect Taxonomy	3	0	0	3	
ZOO656-3	Insect Physiology	3	0	0	3	
ZOO657-3	Comparative Vertebrate Anatomy	3	0	0	3	
Total						

Fourth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO699-8	M Sc. Thesis	8	0	0	8	
Total						8

Total : 35



Study Plan

faculty (College of Science) dept (Biology) major () - Master (edition 1)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO611	Biochemistry and Molecular Biology	2	0	0	2	
BIO612	Advanced Biostatistics	2	0	0	2	
BIO613	Instrumental Analysis	2	0	0	2	
Total						6

Total : 6



Study Plan

faculty (College of Science) dept (Biology) major () - Master (edition 2)

First - Compulsory

Code	course Name	N	A	T	H	Prerequisite
MIC633-3	Host-Parasite Relationship	3	0	0	3	
BIO611	Biochemistry and Molecular Biology	2	0	0	2	
BIO612	Advanced Biostatistics	2	0	0	2	
BIO613	Instrumental Analysis	2	0	0	2	
Total						9

Second - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO614-2	Experimental Design	1	2	0	2	
BIO615-1	Seminar	1	0	0	1	
ZOO654-3	Advanced Genetics	3	0	0	3	
BOT647-3	Soil Science	3	0	0	3	
Total						9

Third - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BOT649-3	Special Topics in Botany	3	0	0	3	
Total						3

Third - Elective

Code	course Name	N	A	T	H	Prerequisite
BOT640-3	Molecular Plant Physiology	3	0	0	3	
BOT641-3	Plant Ecophysiology	3	0	0	3	
BOT642-3	Plant Population Ecology	3	0	0	3	
BOT643-3	Advanced Plant Taxonomy	3	0	0	3	
BOT644-3	Palynology	3	0	0	3	
BOT645-3	Plant Geography	3	0	0	3	
BOT646-3	Saudi Flora	3	0	0	3	
BOT648-3	Analysis of Plant Material	3	0	0	3	
Total						

Fourth - Compulsory

Code	course Name	N	A	T	H	Prerequisite
BIO699-8	M Sc. Thesis	8	0	0	8	
Total						8

Total : 35