

Programme	Code	Course Name	Credit Point
Master of Science in Agriculture			
Year 1 Semester 1			
	AGS801	Research Planning and Experimentation (Core course)	20
Elective Courses (Choose two)			
		Agribusiness	
	ABM801	Agricultural Growth and Development	20
	ABM802	Agricultural Production Economics	20
		Agricultural Engineering	
	AEG801	Watershed Management, Hydrology, Irrigation & Drainage	20
	AEG802	Engineering Properties of Agricultural Food Materials	20
		Agricultural Extension	
	AEX801	Agricultural Extension in the South Pacific	20
		Agronomy	
	AGO801	Applications of Climate Studies in Agriculture	20
	AGO802	Advance Concepts of Crop Production	20
		Animal Production	
	APN801	Genetic Improvement of Livestock	20
	APN802	Pasture and Rangeland Management	20
		Entomology	
	ENT801	Agricultural Entomology	20
	ENT802	General Entomology	20
		Genetics and Plant Breeding	
	GPB801	Advanced Plant Biochemistry	20
	GPB802	Genetic Resources, Germplasm Collection and Conservation	20
		Horticulture	
	HOR801	Fruits and Plantation Crops	20
	HOR802	Vegetables	20
		Soil Science	
	SAC801	Soil Genesis and Classification	20
	SAC802	Soil Chemistry	20
		Plant Pathology	
	PPA801	Plant Pathology	20
	PPA802	Plant and Microbe Interaction	20
Year 1 Semester 2			
	PST801	Special Topic (Core course)	20
Elective Courses (Choose two)			
		Agribusiness	
	ABM803	Agricultural Management	20
	ABM804	Agripreneurship	20
		Agricultural Engineering	
	AEG803	Principles of Mechanics of Machinery, Instruments and Agriculture	20
	AEG804	Post-harvest Technology and Engineering	20
		Agricultural Extension	

AEX802	Extension Programme Planning and Evaluation	20
	Agronomy	
AGO803	Cropping and Farming Systems	20
AGO804	Organic Farming and Sustainable Agriculture	20
	Animal Production	
APN803	Animal Nutrition and Metabolism	20
APN804	Animal Reproductive Physiology	20
	Entomology	
ENT803	Insect Ecology	20
ENT804	Integrated Pest Management	20
	Genetics and Plant Breeding	
GPB803	Molecular Biology of Plants	20
GPB804	Advanced Plant Genetics	20
	Horticulture	
HOR803	Floriculture and Landscape Management	20
HOR804	Medicinal, Aromatic & Spice Crops	20
	Soil Science	
SAC803	Advances in Soil Fertility Management	20
SAC804	Soil Microbiology	20
	Plant Pathology	
PPA803	Plant Diseases Epidemiology	20
PPA804	Biosecurity Legislation and Standards	20

Year 2 Semester 1

	MTR901	Master Thesis Research (Continued to semester 2)	120
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or

Elective Courses (Choose three)

	Agribusiness	
ABM901	Agricultural Marketing and Trade	20
ABM902	Agricultural Project Management	20
ABM903	Agribusiness Supply Chain Management	20
	Agricultural Engineering	
AEG901	Precision Agriculture Technologies	20
AEG902	Agricultural Food Process Engineering	20
AEG903	Farm Power and Waste Management	20
	Agricultural Extension	
AEX901	Knowledge Transfer and Trends in Agricultural Extension	20
AEX902	Rural Community Development	20
AEX903	Special Topic 2	20
	Agronomy	
AGO901	Advances in Weed Management	20
AGO902	Rainfed Farming	20
AGO903	Crop Management in Problem Soils	20
	Animal Production	
APN901	Limitations to Animal Production	20

APN902	Feedlot Management	20
APN903	Animal Welfare and Behaviour	20
	Entomology	
ENT901	Insect- Plant Interaction	20
ENT902	Invasive Alien Species and Biosecurity Risks	20
ENT903	Insect Evolution, Biogeography and Identification	20
	Genetics and Plant Breeding	
GPB901	Biotechnology for Crop Improvement	20
GPB902	Advanced Plant Genomics and Bioinformatics	20
GPB903	Modern Technologies and Applications in Plant Breeding	20
	Horticulture	
HOR901	Fruit and Plantation Crop Breeding	20
HOR902	Vegetable Breeding	20
HOR903	Physiology of Growth and Development in Horticulture	20
	Soil Science	
SAC901	Soil and Plant Analysis	20
SAC902	Soil Degradation and Conservation	20
SAC903	Soil Physics	20
	Plant Pathology	
PPA901	Seed and Post-harvest Pathology	20
PPA902	Plant Nematology & Weed Science	20
PPA903	Plant Disease Diagnosis	20

Year 2 Semester 2

	SRP901	Supervised Research Project	60

Master of Science in Agriculture by Course Work and Thesis

Year 1 Semester 1

AGS801	Research Planning and Experimentation (Core course)	20
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	Agribusiness	
ABM801	Agricultural Growth and Development	20
ABM802	Agricultural Production Economics	20
	Agricultural Engineering	
AEG801	Watershed Management, Hydrology,Irrigation & Drainage	20
AEG802	Engineering Properties of Agricultural Food Materials	20
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ENT802	General Entomology	20
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GPB801	Advanced Plant Biochemistry	20
GPB802	Genetic Resources, Germplasm Collection and Conservation	20
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HOR801	Fruits and Plantation Crops	20
HOR802	Vegetables	20
	Soil Science	
SAC801	Soil Genesis and Classification	20
SAC802	Soil Chemistry	20
	Plant Pathology	
PPA801	Plant Pathology	20
PPA802	Plant and Microbe Interaction	20

Year 1 Semester 2

PST801	Special Topic (Core course)	20
	Specilisation/Elective Courses (Choose two)	
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ABM803	Agricultural Management	20
ABM804	Agriprenurship	20
	Agricultural Engineering	
AEG803	Principles of Mechanics of Machinery, Instruments and Agricultur	20
AEG804	Post-harvest Technology and Engineering	20
	Agricultural Extension	
AEX804	Extension Programme Planning and Evaluation	20
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AGO803	Cropping and Farming Systems	20
AGO804	Organic Farming and Sustainable Agriculture	20
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APN803	Animal Nutrition and Metabolism	20
APN804	Animal Reproductive Physiology	20
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ENT803	Insect Ecology	20
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GPB803	Molecular Biology of Plants	20
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	Horticulture	
HOR803	Floriculture and Landscape Management	20
HOR804	Medicinal, Aromatic & Spice Crops	20
	Soil Science	
SAC803	Advances in Soil Fertility Management	20
SAC804	Soil Microbiology	20
	Plant Pathology	

	PPA803	Plant Diseases Epidemiology	20
	PPA804	Biosecurity Legislation and Standards	20
Year 2 Semester 1 and 2			
	MTR901	Master Thesis Research	120
	Total		240
Master of Science in Agriculture by Course Work and Research Project			
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	SAC802	Soil Chemistry	20
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	PPA801	Plant Pathology	20
	PPA802	Plant and Microbe Interaction	20
Year 1 Semester 2			
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	ABM803	Agricultural Management	20

ABM804	Agripreneurship	20
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AEG902	Agricultural Food Process Engineering	20
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AEX902	Rural Community Development	20
AEX903	Special Topic 2	20
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	Soil Science	
SAC901	Soil and Plant Analysis	20
SAC902	Soil Degradation and Conservation	20
SAC903	Soil Physics	20
	Plant Pathology	
PPA901	Seed and Post-harvest Pathology	20
PPA902	Plant Nematology & Weed Science	20
PPA903	Plant Disease Diagnosis	20
Year 2 Semester 2		
	SRP901	Supervised Research Project /Mini Thesis
		60
		Total:Courses and Research Project
		240