

APPROVED



Awards					
Higher Certificate					
Programme Code:	DK_SAGRI_C	Mode of Delivery:	Full Time	No. of Semesters:	5
NFQ Level:	6				
Department:	Agriculture, Food and Animal Health				

Programme Outcomes

On successful completion of this programme the learner should be able to :

PO1	Knowledge - Breadth	
	(a)	Specialised knowledge of a broad area. The learner is expected to have a good grounding Knowledge-breadth Specialised knowledge of a broad area. The learner is expected to have a good grounding in: - a broadly-based scientific core - basic mathematics
PO2	Knowledge - Kind	
	(a)	Some theoretical concepts and abstract thinking with significant underpinning theory. The learner is expected to have a good grounding in: the terminology, nomenclature, and/or classification systems appropriate to the subject area - the general principles of the subject area, including relevant concepts and theories - relevant legal, quality and regulatory frameworks - basic methods and scientific techniques for acquiring, processing, analysing and presenting subject-specific information
PO3	Skill - Range	
	(a)	Demonstrate comprehensive range of specialised skills and tools. The learner will be able to: - apply a range of broadly-based scientific laboratory skills to perform routine tasks accurately - select, gather and record data accurately - work to set targets - operate a range of laboratory and other relevant equipment safely - apply basic numerical and statistical analysis skills - maintain basic records of activities - present scientific results to peers - use standard computer-based office applications
PO4	Skill - Selectivity	
	(a)	Formulate responses to well-defined abstract problems. The learner will be able to: - respond to problems and opportunities that are likely to be encountered by a technician, working in a structured and managed environment - participate in the day-to-day operations of a scientific industry, or other scientific work setting
PO5	Competence - Context	
	(a)	Act in a range of varied and specific contexts involving creative and non-routine activities: transfer and apply theoretical concepts and/or technical or creative skills to a range of contexts The learner will be able to: - follow documented scientific procedures and approved validation and quality assurance procedures to accurately gather, record and process technical information - follow documented scientific procedures to perform routine tasks in structured/managed work settings - behave responsible in a work setting - work in accordance with current health and safety regulations
PO6	Competence - Role	

	(a)	<p>Exercise substantial personal autonomy and often take responsibility for the work of others and/or for allocation of resources, form and function within, multiple complex and heterogeneous groups. The learner will be able to:</p> <ul style="list-style-type: none"> - work individually on routine tasks - contribute effectively and participate in a science based team - participate and contribute constructively in a structured team environment across core scientific disciplines - be self-directed in terms of time, motivation and planning and be self-aware and be open and sensitive to others - accept and exercise personal responsibility - work under guidance within allocated responsibility
PO7	Competence - Learning to Learn	
	(a)	<p>Learn to evaluate own learning and identify needs within a structured learning environment; assist others in identifying learning need. The learner will be able:</p> <ul style="list-style-type: none"> - demonstrate familiarity with the principles of self-directed learning - evince a commitment to continuing education and lifelong learning
PO8	Competence - Insight	
	(a)	<p>Express an internalised, personal world view, reflecting engagement with others. The learner will be able to:</p> <ul style="list-style-type: none"> - demonstrate an awareness of relevant social and ethical issues

Semester Schedules

Stage 1 / Semester 1

Mandatory	
Module Code	Module Title
AGRI S8Z13	Agricultural Mechanisation and Precision Farming
AGRI S8Z15	Physics through PBL and Maths
AGRI S8Z14	Economics and Farm Records
AGRI S8Z19	Biological and Chemical Sciences
AGRI S8Z08	Animal and Crop Science (Part 1 of 2)

Stage 1 / Semester 2

Mandatory	
Module Code	Module Title
AGRI S8Z18	ICT Applications and Research Skills
AGRI S8Z16	Farm Management and Accounting
AGRI S6005	Farm Facilities and Machinery
AGRI S8Z08	Animal and Crop Science (Part 2 of 2)

Stage 2 / Semester 1

Mandatory	
Module Code	Module Title
AGRI S8Z25	Dairy Production
AGRI S8Z28	Beef and Sheep Production
AGRI S8Z21	Biochemistry and Animal Nutrition
QUAL S6001	Quality Assurance
AGRI S8Z24	Farm Business Planning, Analysis and Legal Issues (Part 1 of 2)

Stage 2 / Semester 2

Mandatory	
Module Code	Module Title
HLST S6001	Health and Safety
AGRI S8Z22	Grassland and Crop Production (Part 1 of 2)
LAW S6001	Regulatory and Legal Issues
AGRI S8Z27	Health and Safety and Farm Placement
MGMT S6004	Farm Business Management 4
AGRI S8Z24	Farm Business Planning, Analysis and Legal Issues (Part 2 of 2)

Stage 3 / Semester 1

Mandatory	
Module Code	Module Title
AGRI S8Z22	Grassland and Crop Production (Part 2 of 2)