



CORPORATE AND ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Basic Data					
Module Title	Labour and Machinery Management				
Module Code	UILXT7-15-2	Level	2	Version	1
Owning Faculty	Hartpury	Field	Animal and Land Science		
Contributes towards	FdSc Agriculture				
UWE Credit Rating	15	ECTS Credit Rating	7.5	Module Type	Standard
Pre-requisites	None		Co-requisites	None	
Excluded Combinations	None		Module Entry requirements	None	
Valid From	01 September 2014		Valid to	01 September 2020	

CAP Approval Date	27 January 2014
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Part 2: Learning and Teaching	
Learning Outcomes	<p>On successful completion of this module students will be able to:</p> <ol style="list-style-type: none"> 1 Evaluate the factors influencing the demand and supply of labour in the agricultural sector (A, B). 2 Describe the legislation surrounding the appropriate and/or inappropriate processes of the creation, continued employment and termination of employees (A). 3 Plan the labour, machinery and contracting requirements for a farm's annual production cycle (A, B). 4 Investigate finance of machinery purchase and budget control of machinery costs (B). 5 Assess operating costs accounting for the inter-relationships that exist between labour and machinery (A, B).
Syllabus Outline	<ol style="list-style-type: none"> 1 The market for agricultural labour: concept of supply and demand; segmentation of the labour market and the economics of the market and its influence on wages. 2 Managing labour requirements: calculating labour needs; impact of machinery and machinery contractors; dealing with shortfalls and surpluses. 3 Labour law: the principles of employment law; the institutions and procedures for the implication of employment law; equal treatment and opportunities; employment job descriptions, contracts and interviews; written warning and termination of employment; health and safety; industrial action and tribunals. 4 Machinery operating costs: machinery purchase via cash, leasing, hire purchase with or without end balloon payments; machinery depreciation; maintenance and repairs; fuel usage; inter-relationship costs with labour; comparison of costs with contractors.

	5	Mechanised production requirements and productivity: production cycles and required days; hour rates for cultivation, crop protection and nutrient application; harvesting; milking and other livestock operations.													
Contact Hours	Indicative delivery modes:														
	Lectures, guided learning, seminars etc				33										
	Self directed study				3										
	Independent learning including work placement				114										
	TOTAL				150										
Teaching and Learning Methods	<p>A variety of learning strategies will be used including lectures, seminars and on-farm and computer workshops and self-directed learning. Students will also be expected to engage in independent learning throughout the module and time to complete assessment work.</p> <p>Scheduled learning May include lectures, seminars, tutorials, project supervision, demonstration, practical classes and workshops; fieldwork; external visits; work based learning; supervised time in studio/workshop.</p> <p>Independent learning May include hours engaged with essential reading, case study preparation, assignment preparation and completion etc.</p> <p>Virtual learning environment (VLE) This specification is supported by a VLE where students will be able to find all necessary module information. Direct links to information sources will also be provided from within the VLE.</p>														
Key Information Sets Information	<p>Key information sets (KIS) are produced at programme level for all programmes that this module contributes to, which is a requirement set by HESA/HEFCE. KIS are comparable sets of standardised information about undergraduate courses allowing prospective students to compare and contrast between programmes they are interested in applying for.</p> <p>Key information set – module data</p> <p>Number of credits for this module 15</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Hours to be allocated</th> <th style="width: 25%;">Scheduled learning and teaching study hours</th> <th style="width: 20%;">Independent study hours</th> <th style="width: 20%;">Placement study hours</th> <th style="width: 20%;">Allocated Hours</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">150</td> <td style="text-align: center;">36</td> <td style="text-align: center;">114</td> <td style="text-align: center;">0</td> <td style="text-align: center;">150</td> </tr> </tbody> </table> <p>The table below indicates as a percentage the total assessment of the module which constitutes:</p> <p>1 <i>Written exam:</i> Unseen written exam, open book written exam, in-class test. 2 <i>Coursework:</i> Written assignment or essay, report, dissertation, portfolio, project. 3 <i>Practical exam:</i> Oral assessment and/or presentation, practical skills assessment, practical exam.</p>					Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours	150	36	114	0	150
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	<p>Please note that this is the total of various types of assessment and will not necessarily reflect the component and module weightings in the assessment section of this module description:</p> <p>Total assessment of the module:</p> <table border="1" data-bbox="930 344 1059 483"> <tr> <td>Written exam assessment percentage</td> <td>40%</td> </tr> <tr> <td>Coursework assessment percentage</td> <td>60%</td> </tr> <tr> <td>Practical exam assessment percentage</td> <td>0%</td> </tr> <tr> <td></td> <td>100%</td> </tr> </table>	Written exam assessment percentage	40%	Coursework assessment percentage	60%	Practical exam assessment percentage	0%		100%
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	100%								
Reading Strategy	<p>Essential readings Any essential reading will be indicated clearly, along with the method for accessing it, e.g. students may be required to purchase a set text, be given a print study pack or be referred to texts that are available electronically or in the Library. Module guides will also reflect the range of reading to be carried out.</p> <p>Further readings Further reading will be required to supplement the set text and other printed readings. Students are expected to identify all other reading relevant to their chosen topic for themselves. They will be required to read widely using the library search, a variety of bibliographic and full text databases, and Internet resources. Many resources can be accessed remotely. The purpose of this further reading is to ensure students are familiar with current research, classic works and material specific to their interests from the academic literature.</p> <p>Access and skills Formal opportunities for students to develop their library and information skills are provided within the induction period and study skills sessions. Additional support is available through online resources. This includes interactive tutorials on finding books and journals, evaluation information and referencing. Sign up workshops are also offered.</p>								
Indicative Reading List	<p>The following list is offered to provide validation panels/accrediting bodies with an indication of the type and level of information students may be expected to consult. As such, its currency may wane during the life span of the module specification. However, as indicated above, CURRENT advice on readings will be available via other more frequently updated mechanisms, including the module guide.</p> <ul style="list-style-type: none"> • Agro Business Consultants. (Current Edition) <i>The agricultural budgeting and costing book</i>. Melton Mowbrey: ABC Books. • Hunt, D. (Current Edition) <i>Farm power and machinery management</i>. Hoboken: Wiley-Blackwell. • Landers, A. (Current Edition) <i>Resource management: farm machinery selection, investment and management</i>. Ipswich: Farming Press. • Soffe, R.J. (Current Edition) <i>The agricultural notebook</i>. Oxford: Blackwells. • Torrington, D., Hall, L. and Taylor, S. (Current edition) <i>Human resource management</i>. London: Prentice Hall. • Witney, B. (Current edition) <i>Choosing and using farm machines</i>. Edinburgh: Land Technology. <p>Electronic Resource:</p> <ul style="list-style-type: none"> • Farmers Weekly Power farming: www.fwi.co.uk/powerfarming • Farm Business electronic magazine: www.farmbusiness.cc • Analysis of Labour Usage Data from the Farm Business Survey: www.fbpartnership.co.uk/documents/Labour%20Use%20in%20Agriculture.pdf <p>Websites and databases:</p> <ul style="list-style-type: none"> • Department for Environment, Food and Rural Affairs: www.defra.gov.uk • Advisory, Conciliation and Arbitration Service: www.acas.org.uk • National Training Organization for the Land Based Industries: www.lantra.co.uk 								

The above sources give an indication of the area of study involved. Although students may be directed to some specific titles, they will also be encouraged to identify other relevant material for themselves.

Part 3: Assessment

Assessment Strategy	<p>The examination has been chosen so to facilitate broad assessment of the knowledge and understanding; and the intellectual skills gained throughout the module in a time-limited and controlled setting.</p> <p>The report assignment is chosen to facilitate in depth utilisation of skills and understanding gained from farm visits and seminars; and relating this to material learnt in lectures and in additional study via analysis, evaluation and discussion.</p> <p>Feedback will be provided throughout the module via tutorial support; class and on farm discussions and short exercises in addition to that on assignment submissions and examination scripts.</p> <p>In line with the College's commitment to facilitating equal opportunities, a student may apply for alternative means of assessment if appropriate. Each application will be considered on an individual basis taking into account leaning and assessment needs. For further information regarding this please refer to the VLE.</p>		
Identify final assessment component and element	Written examination.		
% weighting between components A and B (Standard modules only)	A:	B:	
	40%	60%	
First Sit			
Component A (controlled conditions) Description of each element		Element weighting	
1	Written examination (1 hour)		100%
Component B Description of each element		Element weighting	
1	Written report (1,500 words)		100%
Resit (further attendance at taught classes is not required)			
Component A (controlled conditions) Description of each element		Element weighting	
1	Written examination (1 hour)		100%
Component B Description of each element		Element weighting	
1	Written report (1,500 words)		100%
If a student is permitted an EXCEPTIONAL RETAKE of the module the assessment will be that indicated by the Module Description at the time that retake commences.			