

Felling Small Trees up to 380mm including takedown of hung-up trees using hand tools		CLMC43X/R
Course objectives	<p>To enable learners to:</p> <ul style="list-style-type: none"> • identify the Risk Assessment and emergency procedures on a work site • organise site safety and state the procedures required • assess the trees to be felled for hazards and risks • fell trees that have a diameter of less than the effective cutting length of the guidebar. Guidebar length not to exceed 380mm/15" • assess a leaning tree and the safest method of felling • make accurate cuts in the correct positions • delimb felled trees in a safe and methodical manner • cross-cut timber accurately to required lengths • assess and explain the terms 'tension' and 'compression' in timber • adopt safe procedures to remove a trapped guidebar • handle and stack timber in a safe manner • assess a hung-up tree and the safest method of takedown • select and prepare equipment required for safe and effective takedown • check on the safety of takedown tools • make accurate severing cuts in the correct positions • select and use hand tools safely • take down hung-up trees to a safe and stable position • state unsafe practices which must not be adopted. <p>NB: The correct protective clothing must be worn by those undertaking chainsaw operations.</p>	
Who the course is for	<ul style="list-style-type: none"> • This course is for novice operators with little or no experience of chainsaw felling, anyone who are required to operate chainsaws for felling to guidebar length. The course is designed to prepare learners for assessment for NPTC Level 2 Award unit CS 31. 	
Duration/format	<p>Practical</p> <ul style="list-style-type: none"> • Novice learners (CLMC43X): 3 long days when daylight permits. This is the minimum duration and some learners may need further instruction. • Experienced learners (CLMC43R): 2 days. Evidence of experience required. 	
Instructor/learner ratio	<p>Max: 1:4 Min: 1:2</p>	
Course content	<ul style="list-style-type: none"> • Legislation • Personal Protective Equipment (PPE) • Felling demonstration • Felling trees up to 380mm diameter • Additional felling techniques • Delimiting felled trees • Cross cutting trunks of felled trees • Take down hung-up trees 	

Facilities/ equipment required	Training provider Flipchart or board NPTC assessment schedule – one per learner if required. Sufficient timber of suitable diameter and height to allow practice for each learner. First aid kit which complies with Health and Safety (First Aid) Regulations 1981. If working in a remote site, a mobile phone or radio and vehicle available to transport an injured person. Location and telephone number of hospital with 24 hour emergency service.	Instructor/Tutor Chainsaws as per HSE guidance and pre-course handout. Operator's maintenance kit and equipment as per pre-course handout. PPE as per pre-course handout. 2-stroke fuel and saw chain oil. Instructor's operational tools as per list in Instructor Manual. NPTC assessment schedule – one per learner if required. First aid kit which complies with Health and Safety (First Aid) Regulations 1981. If working in a remote site, a mobile phone or radio and vehicle available to transport an injured person. Location and telephone number of hospital with 24 hour emergency service.	Learner Chainsaws as per HSE guidance and pre-course handout. Operator's maintenance kit and equipment as per pre- course handout. PPE as per pre-course handout. 2-stroke fuel and saw chain oil. NB: Instructors have been instructed not to undertake training where learners do not have the appropriate protective equipment and appropriate saw.
Note	It is the specific responsibility of the training provider, in consultation with the instructor, to ensure that risk assessments have been carried out and that the items above are available. The training provider is responsible for advising the learners of the equipment they must bring on the course. A pre-course handout has been produced for guidance.		
Venue	A suitable felling site.		
Publications included in package	Lantra Awards Workbook, AFAG safety guides 301, 302, 303, 304, 802, 804, 805 HSE INDG 145, 163, 214, 296 (rev 1), 317, 363 Site-specific risk assessment pro-forma Certificate claim form ITA assessment form Course evaluation form		
Instructor – Basic registration criteria	This course may only be run by registered Lantra Awards instructors listed to deliver this course. Please refer to the 'Lantra Awards instructor criteria for approval' document for full details of application to become an instructor.		

Instructor – Technical skills, knowledge and experience	Instructors must have a proven track record of operator and industry competence.		
Instructor – Certification	Instructors must possess an approved qualification at or above the level of the course they are delivering plus an instructional techniques qualification and full First Aid at Work certificate.		
National Occupational Standards	Lantra Awards has identified the relationship between the key content of its provision and National Occupational Standards (NOS).		
	These standards describe the skills, knowledge and understanding needed to undertake a particular task or job to a nationally recognised level of competence.		
	This course relates to the following:		
	National Occupational Standards	NOS Unit	NOS Unit Title
	Land-based Operations (Jan 2002)	CU17	Assist with the maintenance of equipment
	Land-based Operations (Jan 2002)	CU66	Contribute to the preparation of forest and woodland sites
	Land-based Operations (Jan 2002)	CU67	Crosscut and stack forest and woodland produce manually
	Land Based Service Engineering (Jan 2002)	LBSE1	Contribute to Health and Safety
	Land Based Service Engineering (Jan 2002)	LBSE6	Maintain the work area
	Land Based Service Engineering (Jan 2002)	LBSE9	Maintain health and safety in the work environment
	Land Based Service Engineering (Jan 2002)	LBSE11	Diagnose faults in tractors and machinery
	Land Based Service Engineering (Jan 2002)	LBSE12	Dismantle, assemble and repair components in tractors and machinery
	Treework (Mar 2002)	T10	Fell and sned trees motor-manually
	Treework (Mar 2002)	T23	Dispose of residues from treework operations
	Greenwood Trades and Coppicing (Oct 2006)	GWT1	Work safely and according to environmental good practice
Greenwood Trades and Coppicing (Oct 2006)	GWT2	Use hand tools for greenwood trades and coppicing safely and effectively	
Greenwood Trades and Coppicing (Oct 2006)	GWT4	Select trees for coppicing and cut coppice	
Common Unit	CU2	Monitor and maintain health and safety	