

Chainsaws – Maintenance, Cross-cutting and Felling Small Trees (up to 380mm) including takedown of hung-up trees using hand tools		CLMC44X
Course Objectives	<p>To enable learners to satisfy all the objectives of Chainsaw Maintenance and Cross-cutting (CLMC42X) plus the following:</p> <ul style="list-style-type: none"> • identify types of timber, potential hazards and stresses, correctly assess if timber is in compression or tension and select the appropriate technique to deal with the particular situation • correctly assess the situation prior to tree felling a straight open grown tree up to a maximum of 380mm/15" diameter and, with the aid of wedges and/or a felling lever, fell it in a chosen direction • remove limbs from felled trees and cross cut, handle and stack timber in a state and efficient manner. • take down hung up trees using hand tools • recognise situations where specialist help is required. <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 learners with little or no experience of chainsaw use who are required to operate chainsaws for cross cutting and felling up to guidebar length. The course is designed to prepare learners for assessment for NPTC Level 2 Award units CS 30 and 31. 	
Duration/Format	<ul style="list-style-type: none"> • Five long days when daylight permits. A practical course which can be split into two and three day sessions. These are minimum durations and some learners may need further consolidation. <p>NB: Tree felling activities should avoid disturbing wildlife in the nesting season and must comply with other felling requirements.</p>	
Instructor/learner ratio	Max: 1:4 Min: 1:2	
Course Content	<ul style="list-style-type: none"> • Legislation • Personal Protective Equipment (PPE) • Safety features of chainsaws • Testing a chainsaw • Cross-cutting stems of felled trees • Felling trees up to 380mm/15" 	<ul style="list-style-type: none"> • Maintenance of engine, bar and chain • Fueling and starting a chainsaw • Felling demonstration • Felling using alternative methods • Delimiting of felled trees • Takedown of 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 plus large wound dressings. If working in a remote site, mobile telephone 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. Saw chain filing vices and clamps for bench fitting. Instructor’s operational tools as per list Instructor Manual. Operator’s maintenance kit and equipment as per pre-course handout. 2-stroke fuel and saw chain oil. A selection of faulty chain, guidebars, sprockets and so on for comparison with new or well-maintained items. PPE as per pre-course handout. Samples of saw chain showing different profiles and safety features. NPTC assessment schedule – one per learner, if required. First aid kit which complies with Health and Safety (First Aid) Regulations 1981 plus large wound dressings. If working in a remote site, mobile telephone 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. PPE as per pre-course handout. Operator’s maintenance kit and equipment 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 a risk assessment has been carried out and the items listed 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	Warm, dry, well lit workshop complying with H&S regulations and adequate bench space. Room with tables and chairs. Liaise with instructor for suitable felling site.		

Publications included in package	Lantra Awards Workbook, AFAG safety guides 301, 303, 304, 802, 804, 805 HSE INDG 145, 163, 214, 296, 317, 363 Site-specific risk assessment pro-forma Certificate Claim 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)	T12	Convert and stack wood produce 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)	GWT4	Select trees for coppicing and cut coppice	
Common Unit	CU2	Monitor and maintain health and safety	