

Chainsaws – Maintenance, Cross-cutting Basic Felling Techniques (up to 200mm in diameter)		CLMC41X
Course Objectives	<p>To enable learners to:</p> <ul style="list-style-type: none"> • state and identify the necessary personal protective equipment required, report on its condition and locate the various standard marks • state and identify required safety and health features on a chainsaw • identify faults and defects on a chainsaw and cutting equipment and decide which the operator can remedy and which require a service engineer's attention • select and identify correct tools to enable maintenance to be carried out and report on their serviceability • carry out correctly all routine maintenance in accordance with the manufacturer's instruction book and/or the Lantra Awards workbook • prepare the chainsaw for use with the correct fuel/oil mix and chain lubrication • start the chainsaw from both cold and hot in a safe manner • carry out pre-cutting safety tests and state the procedures if the chainsaw fails these tests • state the possible hazards/risks when carrying out maintenance or operational tasks • 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 • organise site safety and state the precautions required • understand Risk Assessment procedures • assess trees to be felled for hazards and associated risks • prepare trees to be felled and identify escape routes • fell trees which have a diameter up to 200mm/8" safely and accurately using different but appropriate techniques • delimb felled trees in a safe and effective manner • select and use hand tools and maintain them in safe condition • take down hung-up trees using hand tools • state techniques which must not be used. <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"> • These courses are for anyone who is required to operate chainsaws, outside of forestry and arboriculture, for cross cutting and felling small trees up to 200mm. 	
Duration/Format	<ul style="list-style-type: none"> • Four days / practical: workshop and site based. 	
Instructor/learner ratio	<p>Max: 1:4 Min: 1:2</p>	
Course Content	<ul style="list-style-type: none"> • Legislation • Personal Protective Equipment (PPE) • Safety and health features of a chainsaw • Maintaining the saw chain • Maintaining the guidebar • Engine maintenance • Starting the chainsaw • Cross-cutting timber 	<ul style="list-style-type: none"> • Stack timber • Safe practice • Assessing the tree • Brushing • Escape routes • Felling using conventional cuts • Felling using alternative methods • Delimiting • Dealing with hung-up trees • Clearing site and chainsaw checks

<p>Facilities/ Equipment required:</p>	<p>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.</p>	<p>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.</p>	<p>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.</p> <p>NB: Instructors have been instructed not to undertake training where learners do not have the appropriate protective equipment and appropriate saw.</p>
<p>Note</p>	<p>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.</p> <p>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.</p>		
<p>Venue</p>	<p>Warm, dry, well lit workshop complying with H&S regulations and adequate bench space. Room with tables and chairs. Open area for cross-cutting practice with timber up to 380mm diameter. Range of trees with diameters up to 200mm – free-standing, thicket or hedgerow and coppice material.</p>		

Publications included in package	Lantra Awards Workbook, AFAG safety guides 301, 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 a Lantra Awards basic operator together with an NPTC certificate of competence, 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	