

Lesson	Time (mins)	Theory (T) Practical (P) Discussion (D)	Subject
	20 mins	T / D	<ul style="list-style-type: none"> • Introductions
1	190 mins	T / D	<p>Understand how to operate abrasive wheels</p> <ol style="list-style-type: none"> 1. What an abrasive wheel is and how it works 2. Legislation requirements for operation of abrasive wheels 3. Hazards and risks with operation of abrasive wheels; control measures (including PPE) 4. key components of an abrasive wheel, their functions and what faults can occur; health and safety features of the equipment being used 5. The characteristics of the different marking systems for abrasive wheels and how to interpret them 6. The appropriate procedures for handling, storing and transporting an abrasive wheel 7. How to use abrasive wheels safely and correctly 8. How to correctly mount an abrasive wheel; correctly adjust work rests (pedestal) 9. How to maintain an abrasive wheel; carry out checks and adjustments, in accordance with manufacturer's guidance 10. The difference between truing and dressing an abrasive wheel and why wheel balance is important (pedestal) 11. The relationship between speed and wheel selection and define peripheral speed, r/min or rpm and the nature of the spindle and its measurement of speed
2	120 mins	T / P / D	<p>Operate abrasive wheels</p> <ol style="list-style-type: none"> 1. Select the correct machine and abrasive wheel for the job 2. Carry out the correct procedures for handling, storing and transporting an abrasive wheel 3. Risk assess activity and implement suitable control measures 4. Select the appropriate personal protective equipment (PPE) for operating an abrasive wheel 5. Use an abrasive wheel safely and correctly and in accordance with manufacturer's guidance 6. Follow procedures for maintaining an abrasive wheel and carry out checks and adjustments, in accordance with manufacturer's guidance 7. Mount an abrasive wheel; adjust work rests 8. True and dress an abrasive wheel
	30 mins	T / D	Written assessment; End of course evaluation
End of Course			