LEARNING OUTCOMES

17.3 Dusts, Fumes and Fibres

	Cognitive level	What the graduate should be able to do	Context	Level
Operational activities that a new graduate generalist OHS professional would be expected to undertake related to the topic	4	**17.3-1** Contribute to the development of criteria for design or modification of the workplace to minimise risks related to dusts, fumes and fibres	For a nominated situation or workplace. Within a small organisation or section of a larger organisation. With support/input by experienced professionals and /or technical specialists	In liaison with managers, supervisors and technical personnel. Taking account of relevant legislation and standards.
	5	**17.3-2** Facilitate development and implementation of control strategies for dusts, fumes and fibres.	For a nominated situation or workplace. Within a small organisation or section of a larger organisation. With support/input by experienced professionals and /or technical specialists.	In liaison with managers, supervisors, technical personnel and worker representatives. Taking account of relevant legislation and standards.
	5	**17.3-3** Contribute to the development and maintenance of a safe system of work relating to dusts, fumes and fibres.	For a nominated situation or workplace. For a nominated scenario. Within a small organisation or section of a larger organisation. With support/input by experienced professionals and /or technical specialists.	System of work includes routine and non-routine operations.
Well-developed / advanced cognitive and technical skills to analyse, critically evaluate and transform information to complete activities related to the topic	6	**17.3-4** Apply knowledge of the health effects of dusts, fumes and fibres and appropriate risk assessment strategies to assess/evaluate the hazard and associated risks.	For a nominated situation or workplace. For a nominated scenario. Within a small organisation or section of a larger organisation. With support/input by experienced professionals and /or technical specialists as appropriate.	In consultation with appropriate workplace personnel. With sign off by a technical specialist as appropriate. Documented in a report to management.
	5	**17.3-5** Facilitate the development and implementation of processes to monitor and evaluate control strategies for dusts, fumes and fibres.	For a nominated situation or workplace. For a nominated scenario. Within a small organisation or section of a larger organisation.	Documented in a report to management. With sign off by a technical specialist as appropriate.

LEARNING OUTCOMES

	Cognitive level	What the graduate should be able to do	Context	Level
			With support/input by experienced professionals and /or technical specialists as appropriate.	
Analyse and generate solutions to complex problems related to the topic	3	**17.3-6** Identify when specialist advice is required and define the scope of work to engage services of appropriate specialists.	For a nominated situation or workplace. For a nominated scenario. Within a small organisation or section of a larger organisation.	Documented in a report to management.
	3	**17.3-7** Engage with relevant personnel to implement the risk management strategy for dusts, fumes and fibres.	For a nominated situation or workplace. Within a small organisation or section of a larger organisation.	Relevant personnel including managers, supervisors, job planners and worker representatives.
Transmit knowledge, skills and ideas to others	3	**17.3-8** Interpret information to explain the health effects of dusts, fumes and fibres, the way by which they may cause harm, the level of risk and rationale for control strategies.	Information may include specialist reports.	Communication strategies and language appropriate to the audience.
	2	**17.3-9** Explain the work, health and safety procedures relating to managing the risk of dusts, fumes and fibres in the workplace.	In procedures, training and other awareness material.	To staff and contractors. Communication strategies and language appropriate to the audience.
Demonstrate the required underpinning science and/or psychology (is this physiology?) knowledge	Underpinning science: as it relates to the behavior of chemicals and the physiological and biological effects effects of chemicals on the human body. The Human: 7 The Human as Biological System as related to the effect of dusts, fumes and fibres on the body.			
Integration of knowledge from other chapters	12.1 Systems; and Systems thinking 31.1 Risk (as it applies to managing dusts, fumes and fibres. 17.1 Managing Hazardous Chemicals; 17.2 Health Effects of Chemicals 33 Models of Causation: Health 34.1 Prevention and Intervention			