

# Establish the heat stress management plan



<i>Competency Unit</i>	AMV101      Establish the heat stress management plan
<i>Description of Unit</i>	Australia is the world's hottest and driest continent and heat stress is a significant issue for many workers, affecting their health, safety, productivity and morale. Students completing this course will have a practical understanding of heat stress, along with the tools to evaluate or develop working-in-heat protocols. The course comprehensively describes the basic causes of heat stress, heat strain and heat illness in industrial workers. All the current industrial heat stress indices are reviewed, along with their strengths and weaknesses. A case study is presented based on underground mine workers. A number of simple instruments that can help manage heat stress are also presented. This is an essential workshop for occupational nurses and physicians, engineers, hygienists, safety advisers, statutory regulators or any person who needs to advise, manage or regulate workplaces with significant heat stress.
<i>Applicable to</i>	Managers, ventilation officers or engineers, mine planning or operations engineers, statutory regulators, occupational hygiene or medical personnel who may need to develop, review or audit an appropriate heat stress management plan in an occupational workplace.
<i>Co-requisites (required)</i>	Nil. However, a basic understanding of psychrometry and heating and cooling processes is essential.
<i>Co-requisites (recommended)</i>	AMV100 <i>Identify, analyse and evaluate psychrometric heating and cooling processes and climate.</i>
<i>Method of delivery</i>	1-day workshop with subsequent assignment(s).
<i>Assessments</i>	Single workplace assignment involving heat stress measurement, evaluation and report and development of a toolbox talk.
<i>Locations</i>	Brisbane or Mackay. Also available at other locations at additional cost ( <i>see below</i> ).
<i>Course presenter</i>	Dr Rick Brake  Dr Rick Brake is a Chartered Practicing Mining Engineer with 25 years experience in underground and open cut mines in senior planning and operating roles in Australia and North America. He graduated with First Class Honours in Mining Engineering from the University of Queensland in 1979, completed a Master of Business Administration from Deakin University in 1991 and completed a PhD in physiology from the School of Public Health at Curtin University in the area of human heat stress in 2002. He has a First Class Mine Manager's Certificate of Competency (Qld) and is a Fellow of the AusIMM, a member of MICA and the MVSSA, an RPE(Qld) and has consulted widely and published extensively in the areas of mine ventilation, cooling and refrigeration, heat stress and egress and entrapment.
<i>Hardware/software requirements</i>	Laptop with Windows™ and Microsoft Excel™ Special 90-day fully-functional and latest version of HotWork™ provided in tuition fees.
<i>Required text books and facilities</i>	Access to an occupational setting with a number of workplaces in which heat stress is an issue, for measurements and audits.
<i>Fees (\$AUD)</i> <i>[subject to change without notice]</i>	\$1,000 (no GST payable)
<i>Conditions</i>	Fees apply for Brisbane and Mackay. Courses can be run at other locations. Additional fees may apply. All courses are subject to maximum and minimum registrations.
<i>Further Information</i>	TAFE Queensland Mining Services      Mine Ventilation Australia Phone: 1300 653 050      Phone: +61 7 3269 3733 +61 7 4920 2654      Email: mvamail@mvaust.com.au Email: TQMining@det.qld.gov.au