WHS: A Management Guide, 4e takes a humanist approach. It attempts to go beyond the accepted understanding of health and safety as a form of risk management – though that lies at its core – to see how the workplace can satisfy human needs as much as organisational objectives. Only when we step beyond safety and speak not just of physical health, but also of psychological and social needs, do we begin to see what vital, active working lives can be.

In the previous edition, the Model Work Health and Safety Act made its introduction. Harmonisation of the law has been achieved in all major jurisdictions except for Victoria and Western Australia. However, Victoria’s Act closely resembles the Model Act and the differences in Western Australia are largely procedural. In effect, most businesses are operating under a national system. This book uses the model WHS Act while based on health and safety best practice principles applicable to all Australian workplaces.

WHS: A Management Guide, 4e encompasses many revisions, particularly the chapters on consultation and management systems. This edition has also been generally improved – simplified wherever possible, content updates with up to date examples and case studies. Special attention has also been made to supplement the text with effective easy-to-use online resources for teachers.

This course addresses the following qualifications from the BSB07 Business Services Training Package: BSB41412 Certificate IV in Work Health and Safety, BSB51312 Diploma of Work Health and Safety, BSB60612 Advanced Diploma of Work Health and Safety.

The material in this course was provided by Cengage Learning, Inc. for instructional use and review. Cengage Learning is the leading provider of learning materials for vocational learning in Australia.
8. Controlling risk: Ergonomics

Ergonomics – sometimes called ‘human factors’ – is the science dealing with interaction between humans and their activities, equipment, environment and systems. Using this knowledge, ergonomics attempts to optimise human wellbeing and overall system performance.

Ergonomics evolved as a discipline during the Second World War to address problems arising out of the operation of complex military equipment; for example, cockpit design. Nowadays, even though ergonomics is popularly associated with office furniture and workstation design, its application is much wider.

Concept: Manual tasks – controlling ergonomic risks

**Description:** Manual tasks involved in concreting and several practices to minimise the risk of present and long-term injury

**Key outcome:** Ergonomics of manual tasks in the workplace, controlling the risk

**Consider:**
- List the key risk factors of manual tasks in the workplace. What are the forms of ergonomics to be considered?
- What are the preferred options for controlling the risks, and how should they be implemented?

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Choose this course if you are teaching either BSB41407 Certificate IV in Occupational Health and Safety or BSB51307 Diploma of Occupational Health and Safety, both from the BSB07 Business Services Training Package. Complete with mapping grids, instructor manual and PowerPoint slides, these can also be purchased on a chapter by chapter basis, as needed.

**To view a demo or for more information, please contact your local Cengage VPG Sales Specialist:**

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