



The University of Southern Queensland

## Course specification

The current and official versions of the course specifications are available on the web at <http://www.usq.edu.au/coursespecification/current>.  
Please consult the web for updates that may occur during the year.

### Description: Occupational Health and Occupational Hygiene

Subject	Cat-nbr	Class	Term	Mode	Units	Campus
MGT	8016	90167	2, 2009	EXT	1.00	Toowoomba

<b>Academic group:</b>	FOBUS
<b>Academic org:</b>	FOB004
<b>Student contribution band:</b>	2
<b>ASCED code:</b>	061301

### STAFFING

Examiner: Ian Eddington  
Moderator: Don Smith

### OTHER REQUISITES

Students are required to have access to a personal computer, e-mail capabilities and Internet access to UConnect. Current details of computer requirements can be found at <http://www.usq.edu.au/ict/students/standards/default.htm>.

### RATIONALE

Duty of care responsibilities, and imperatives emerging from past occupational and environmental mismanagement, are forcing a recognition that prevention is cheaper than cure. Managers are encouraged to be proactive and to develop foresight and intuition in forestalling health and productivity loss. Standards are called up in legislation and these must be met. Managers must be aware of, and understand, the health and hygiene basis upon which these standards are predicated. This subject aims to acquaint managers with the pathology of work related disease and through a discussion of work environment stressors, introduce concepts principles and procedures central to the attainment of good occupational health and hygiene.

### SYNOPSIS

This subject introduces managers to the pathology of work related disease and to basic procedures and processes in occupational hygiene. Topics covered include: noise and vibration, thermal comfort, lighting, dusts, modes of entry, standards and threshold limit values, measurement techniques, toxicology, occupational diseases, biological hazards, workplace stressors (chemical and physical) and principles of control. Socio- political and socio-scientific aspects of occupational health and hygiene are also covered.

### OBJECTIVES

The course objectives define the student learning outcomes for a course. The assessment item/s that may be used to assess student achievement of an objective is/are shown in parentheses after each objective. On successful completion of this course, students should be able to:

1. be cognisant of the information and knowledge base essential for the attainment of good occupational health and hygiene performance
2. recognise workplace factors which are potentially detrimental to good health and hygiene and apply techniques of evaluation and control
3. be aware of instrumentation and procedures available for measurement and quality control of the health and productivity environment of the workplace
4. gain a knowledge of the basic disease processes in humans and how workplace hazards impact upon these processes
5. obtain an understanding of elementary toxicology and the nature of the body's response to toxic substances
6. possess an appreciation of the complexity of the socio-political context relevant to occupational health and hygiene.

## TOPICS

	Description	Weighting (%)
1.	Occupational health and occupational hygiene	6.00
2.	Toxicology	20.00
3.	Measurement, compliance and control	20.00
4.	Biological hazards	10.00
5.	Chemical hazards	10.00
6.	Occupational diseases	7.00
7.	Noise and vibration	5.00
8.	Lighting and illumination	7.00
9.	Thermal comfort	10.00
10.	Dusts	5.00

## TEXT and MATERIALS required to be PURCHASED or ACCESSED

ALL textbooks and materials are available for purchase from USQ BOOKSHOP (unless otherwise stated). Orders may be placed via secure internet, free fax 1800642453, phone 07 46312742 (within Australia), or mail. Overseas students should fax +61 7 46311743, or phone +61 7 46312742. For costs, further details, and internet ordering, use the 'Textbook Search' facility at <http://bookshop.usq.edu.au> click 'Semester', then enter your 'Course Code' (no spaces).

Summers, J & Smith, B 2006, *Communication skills handbook: how to succeed in written and oral communication*, 2nd edn, John Wiley & Sons, Milton, Queensland.

## REFERENCE MATERIALS

Reference materials are materials that, if accessed by students, may improve their knowledge and understanding of the material in the course and enrich their learning experience.

Penguin dictionaries of Chemistry, Biology, Physics and Medicine (or equivalent).

Plog, B 2001, *Fundamentals of industrial hygiene*, 5th edn, National Safety Council, Itasca, Illinois.

## STUDENT WORKLOAD REQUIREMENTS

ACTIVITY	HOURS
Directed Study	80.00
Private Study	85.00

## ASSESSMENT DETAILS

Description	Marks out of	Wtg (%)	Due date	Objectives assessed	Graduate skill	Level assessed
ASSIGNMENT 1	45.00	45.00	21 Aug 2009	All	U1, U2, U3, U4, U7	3, 3, 3, 3, 3
ASSIGNMENT 2	55.00	55.00	16 Oct 2009	All	U1, U2, U3, U4, U7	3, 3, 3, 3, 3

## GRADUATE QUALITIES AND SKILLS

Elements of the following Graduate Skills are associated with the successful completion of this course.

Graduate skill assessed	Level assessed
Ethical Research & Enquiry (Skill U1)	Advanced (Level 3)
Problem Solving (Skill U2)	Advanced (Level 3)
Academic & Professional Literacy (Skill U3)	Advanced (Level 3)
Written & Oral Communication (Skill U4)	Advanced (Level 3)
Cultural Literacy (Skill U7)	Advanced (Level 3)

## IMPORTANT ASSESSMENT INFORMATION

- 1 Attendance requirements:  
If you are an international student in Australia, you are advised to attend all classes at your campus. For all other students, there are no attendance requirements for this course. However, it is the students' responsibility to study all material provided to them or required to be accessed by them to maximise their chance of meeting the objectives of the course and to be informed of course-related activities and administration.
- 2 Requirements for students to complete each assessment item satisfactorily:  
To satisfactorily complete an individual assessment item a student must achieve at least 50% of the marks. (Depending upon the requirements in Statement 4 below, students may not have to satisfactorily complete each assessment item to receive a passing grade in this course.)
- 3 Penalties for late submission of required work:  
Students must attach an application for late submission to any assignment sent to the university after the due date.
- 4 Requirements for student to be awarded a passing grade in the course:

- To be assured of receiving a passing grade a student must achieve at least 50% of the total weighted marks available for the course.
- 5 Method used to combine assessment results to attain final grade:  
The final grades for students will be assigned on the basis of the aggregate of the weighted marks obtained for each of the summative assessment items in the course.
  - 6 Examination information:  
There is no examination in this course.
  - 7 Examination period when Deferred/Supplementary examinations will be held:  
Not applicable.
  - 8 University Regulations:  
Students should read USQ Regulations 5.1 Definitions, 5.6 Assessment, and 5.10 Student Academic Misconduct for further information and to avoid actions which might contravene university regulations. These regulations can be found at <http://www.usq.edu.au/corporateservices/calendar/part5.htm>. Students should also read the Faculty of Business Procedures which can be found at <http://www.usq.edu.au/business/aboutfob.htm>.

## ASSESSMENT NOTES

- 1 Assignments: (i) The due date for an assignment is the date by which a student must despatch the assignment to the USQ. The onus is on the student to provide proof of the despatch date, if requested by the examiner. (ii) Students must retain a copy of each assignment submitted for assessment. This must be produced within 24 hours if required by the examiner. (iii) In accordance with university policy, the examiner may grant an extension of the due date of an assignment in extenuating circumstances. (iv) The examiner will not accept submission of assignments by facsimile. (v) Students who do not have regular access to postal services or who are otherwise disadvantaged by these regulations may be given special consideration. They should contact the examiner of the course to negotiate such special arrangements. (vi) In the event that a due date for an assignment falls on a local public holiday in their area, such as a show holiday, the due date for the assignment will be the next day. Students are to note on the assignment cover the date of the public holiday for the examiner's convenience.
- 2 Referencing in assignments: Harvard (AGPS) is the referencing system required in this course. Students should use Harvard (AGPS) style in their assignments to format details of the information sources they have cited in their work. The Harvard (AGPS) style to be used is defined by the USQ Library's referencing guide at <http://www.usq.edu.au/library/help/referencing/default.htm>.
- 3 Deferred work: Students who, for medical, family/personal, or employment-related reasons, are unable to complete an assignment at the scheduled time may apply to defer an assessment in a course. Such a request must be accompanied by appropriate supporting documentation. A temporary grade of IDM (Incomplete Deferred Make-up) may be granted.
- 4 Make-up work: Students who have undertaken all of the required assessments in a course but who have failed to meet some of the specified objectives of a course within the normally prescribed time may be awarded the temporary grade: IM (Incomplete - Make up). An IM grade will only be awarded when, in the opinion of the examiner, a student will be able to achieve the remaining objectives of the course after a period of non directed personal study.

## **OTHER REQUIREMENTS**

- 1 Computer, e-mail and Internet access: Students are required to have access to a personal computer, e-mail capabilities and Internet access to UConnect. Current details of computer requirements can be found at <<http://www.usq.edu.au/ict/students/standards/default.htm>>.
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