Description: Occupational Health and Occupational Hygiene

Subject Cat-Nbr Class Term Mode Units Campus
MGT 8016 14337 2, 2002 EXT 1.00 TWMBA

Academic Group: FOBUS
Academic Org: FOB002
HECS Band: 2
ASCED Code: 061301

STAFFING
Examiner: Ian Eddington
Moderator: John Searle

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
Successful completion of this course will allow students to:

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

### TOPICS

<table>
<thead>
<tr>
<th>Description</th>
<th>Weighting (%)</th>
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<tbody>
<tr>
<td>1. Occupational Health and Occupational Hygiene</td>
<td>6.00</td>
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<tr>
<td>2. Toxicology</td>
<td>20.00</td>
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<tr>
<td>3. Measurement, Compliance and Control</td>
<td>20.00</td>
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<tr>
<td>4. Biological Hazards</td>
<td>10.00</td>
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<tr>
<td>5. Chemical Hazards</td>
<td>10.00</td>
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<td>6. Occupational Diseases</td>
<td>7.00</td>
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<tr>
<td>7. Noise and Vibration</td>
<td>5.00</td>
</tr>
<tr>
<td>8. Lighting and Illumination</td>
<td>7.00</td>
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<tr>
<td>9. Thermal comfort</td>
<td>10.00</td>
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<tr>
<td>10. Dusts</td>
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### TEXT and MATERIALS required to be PURCHASED or ACCESSED:

Books can be ordered by fax or telephone. For costs and further details use the 'Book Search' facility at http://bookshop.usq.edu.au by entering the author or title of the text.


### 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).

STUDENT WORKLOAD REQUIREMENTS

ACTIVITY          HOURS
Directed Study    80
Private Study     85

ASSESSMENT DETAILS

<table>
<thead>
<tr>
<th>Description</th>
<th>Marks Out of</th>
<th>Wtg(%)</th>
<th>Required</th>
<th>Due Date</th>
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<tr>
<td>ASSIGNMENT 1</td>
<td>10.00</td>
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<td>Y</td>
<td>23 Aug 2002</td>
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<td>ASSIGNMENT 2</td>
<td>30.00</td>
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<td>ASSIGNMENT 3</td>
<td>60.00</td>
<td>60.00</td>
<td>Y</td>
<td>01 Nov 2002</td>
</tr>
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</table>

OTHER REQUIREMENTS

1. To obtain a passing mark in this course, students must normally obtain a passing mark for the assignment(s) in aggregate. The final grade will be determined by the raw score obtained by the student, the range of raw scores obtained by the cohort and the cut off points used to insure that the distribution of grades accords with university policy governing such distributions. Further information regarding assessment of the course may be found in the Introductory Book.

2. The due date of an assignment is the date by which a student must despatch the assignment to the University, and is normally that defined in the relevant course specification. The onus is on the student to provide, if requested, proof of date of despatch.

3. Students should organise their affairs to ensure that they meet due dates for all assignments. Extensions will be granted only under exceptional extenuating circumstances, normally involving a significant medical condition.

4. Students may apply for an assignment extension either by application through DEC before the due date or by including application with the submitted assignment after the due date. Such applications should be in writing and include supporting documentary evidence. The authority for granting extensions rests with the relevant Course Leader.

5. Students must retain a copy of all assignments which must be provided if/when required by the Course Leader.

6. Course weightings of topics should not be interpreted as applying to the number of marks allocated to questions testing those topics in an examination paper.

7. Students must perform at a commensurate grade level in all pieces of assessment to achieve a particular grade.