Description: Human Factors

Subject               | Cat-Nbr | Class  | Term | Mode | Units | Campus |
----------------------|---------|--------|------|------|-------|--------|
MGT                   | 8014    | 14335  | 2    | EXT  | 1.00  | TW MBA |

Academic Group:       | FOBUS   |
Academic Org:         | FOB002  |
HECS Band:            | 2       |
ASCED Code:           | 061399  |

STAFFING
Examiner: Ian Eddington
Moderator: John Searle

RATIONALE
Capital, whether viewed from the perspective of the individual, the firm, the nation, or the international community is a most valuable asset. Gains in the health, motivation, personability and efficiency status of human capital are passed on at all levels and contribute, through improvement in profitability and productivity, to a higher standard of living and welfare. This subject provides basic information and knowledge about the human factor and introduces loss prevention perspectives which emanate from that knowledge. The principles introduced in this subject apply as much to the leisure environment as they do to the work environment.

SYNOPSIS
This course provides basic information and knowledge about the human factor and promotes general loss prevention perspectives and insights based upon such knowledge. Topics covered include: anatomy and body systems, human anthropometry, ergonomics, the human machine interface and workplace layout and design, accident statistics and the rate trend and kinds of accidents that impact on the human body, the psychology of work, and implementing an ergonomics programme.

OBJECTIVES
Successful completion of this course will enable students to:

- understand selected human anatomical, physiological and psychological functions and their importance in the work and leisure environment;
- identify potential ergonomic hazards in the work environment;
- understand the role of human anthropometry in the design of work stations and the provision of optimal worker comfort;
• understand the procedures for implementing an ergonomically designed work station;
• apply key knowledge about the psychology of work, in day to day business activity;
• understand the importance of human factors on worker productivity.

TOPICS

<table>
<thead>
<tr>
<th>Description</th>
<th>Weighting (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Introduction and background</td>
<td>5.00</td>
</tr>
<tr>
<td>2. Anatomy and physiology</td>
<td>25.00</td>
</tr>
<tr>
<td>3. Workplace design</td>
<td>20.00</td>
</tr>
<tr>
<td>4. Ergonomic related disorders</td>
<td>20.00</td>
</tr>
<tr>
<td>5. The psychology of work: Implementing an ergonomics program</td>
<td>30.00</td>
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</tbody>
</table>

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.


STUDENT WORKLOAD REQUIREMENTS

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directed Study</td>
<td>80</td>
</tr>
<tr>
<td>Private Study</td>
<td>85</td>
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</table>
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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</thead>
<tbody>
<tr>
<td>ASSIGN 1 - PROGRESSIVE ITEM</td>
<td>20.00</td>
<td>20.00</td>
<td>Y</td>
<td>23 Aug 2002</td>
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<tr>
<td>ASSIGN 2 - PROGRESSIVE ITEM</td>
<td>30.00</td>
<td>30.00</td>
<td>Y</td>
<td>27 Sep 2002</td>
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<tr>
<td>ASSIGN 3 - PROGRESSIVE ITEM</td>
<td>50.00</td>
<td>50.00</td>
<td>Y</td>
<td>01 Nov 2002</td>
</tr>
</tbody>
</table>

OTHER REQUIREMENTS

1. To obtain a pass in a course, students must perform satisfactorily in overall assignment work. 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.

2. The due date of an assignment is the date by which a student must dispatch 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 dispatch.

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. All assignments despatched after due dates without appropriate extension approvals or after approved extension dates will be penalised up to a maximum of 20% of the assigned mark per work day.

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

7. Course weighting’s of topics should not be interpreted as applying to the number of marks allocated to questions testing those topics in an examination paper.