Description: Simulation

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Academic group: FOSCI
Academic org: FOS003
Student contribution band: 2
ASCED code: 020307

STAFFING

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REQUISITES

Pre-requisite: STA2300 or USQIT16

RATIONALE

Simulation is a powerful and widely used tool in the analysis of complex systems. Accordingly, graduates should have an understanding of the basic ideas of simulation, and an appreciation of some of the problems that arise in using simulation. This course uses the simulation language ARENA in the analysis of problems.

SYNOPSIS

This course introduces students to computer based simulation and modelling with applications to all areas of business and industry where management, strategic and operational decision making can be enhanced through the modelling and analysis of complex systems. Particular attention is given to the simulation of discrete event systems using the simulation language ARENA and developing animated displays of complex systems. Through project work students are encouraged to develop information systems of direct relevance to their interests in business and industry.

OBJECTIVES

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TOPICS

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TEXT and MATERIALS required to be PURCHASED or ACCESSED

This information will be available from 15-06-2007

REFERENCE MATERIALS

This information will be available from 15-06-2007

STUDENT WORKLOAD REQUIREMENTS

This information will be available from 15-06-2007

ASSESSMENT DETAILS

This information will be available from 15-06-2007

IMPORTANT ASSESSMENT INFORMATION

This information will be available from 15-06-2007

OTHER REQUIREMENTS

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