



CARITAS COMMUNITY AND HIGHER EDUCATION SERVICE

Programme Code: CSE3171

Academic Year: 2010-2011

Number of Lecture Weeks: 30 weeks

Contact Hours/Week: 2 hours

Lecturer: NG Chi Chung Francis

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Objective(s):

Upon completion of this subject, students should be able to:

- have fundamental concepts of information systems;
- identify different types of information systems facilitating business operations, communication and decision making;
- describe the procedures of systems development, implementation, evaluation and maintenance;
- acquire the basic concepts of systems management and control.

Proposed text and reference book(s):

- Stair, R.M., Reynolds, G.W. (2001). Principles of Information Systems. (8th Edition). Thomson Learning.

Modes of assessment and their relative weighting:

Continuous assessment will be adopted.

Modes of assessment	Relative weighting
Assignments x 2	30%
Test	20%
Class Participations	10%
Examination	40%
Total	100%

Passing criteria:

1. Not less than 50% of the assessed value of the course; and
2. Not less than 80% of the attendance rate

DETAILED SYLLABUS

Topic	Mode of delivery*	No. of contact hours
1. Foundation of information systems 1.1 Definition of information systems 1.2 The organisation as an information processing Entity 1.3 The expanding roles of information systems in business and management 1.4 The interdisciplinary nature of the field	1	10
2 Information 2.1 Information needs in organization 2.2 Information costs and benefits 2.3 Strategic information, tactical information and operational information 2.4 Simon's decision making model and its managerial implications on systems design 2.5 Organizations as systems consisting of business processes	1	10
3. The uses of Information systems for business operations 3.1 Marketing information systems 3.2 Manufacturing information systems 3.3 Human resource information systems 3.4 Accounting information systems 3.5 Financial information systems	1	10
4. Information systems for managerial decision making and support 4.1 Artificial intelligence technologies in business 4.2 Transaction processing systems 4.3 Decision support systems 4.4 Executive information systems	1	15
5 Basic concepts of systems development life-cycle 5.1 Systems analysis, design, and development 5.2 Systems implementation 5.3 Systems evaluation 5.4 Systems maintenance	1	15
Total number of hours		60