**BIS 1200 Information Systems in Business (3 CU)**

(a) **Course Description:** The course covers the integration of Information and Communication Technologies into organizations and their working practices, from design and implementation to strategic effects. Drawing on Information Systems (IS) and Management literature, the course offers a chance for students to examine case studies of IS successes and failures and to explore ’real-world’ IS management issues.

(b) **Aims:** The course aims to provide students with knowledge for understanding the integration of business and technology resources to facilitate effective and efficient realization of an organization’s mission and objectives.

(c) **Learning Outcomes:** Upon successful completion of this course, the student should be able to:

• Appreciate the role of information technology and information systems function in modern organizations.

• Understand the factors influencing information systems engineering.

• Gain an understanding of how to manage and grow information systems in organizations.

**(d) Teaching and Learning pattern:** The teaching and learning approaches will combine classroom lectures with theories and discussion of case studies in groups. Take home

assignments / coursework will be administered.

**(e) Indicative content:**

• An information systems model: An Information System uses the resources of people, hardware, software, data, and networks to perform input, processing, output, storage and control activities that covert data resources into information products;

• Role of Information Systems in an organization;

• the shift from data processing Systems via information Systems to knowledge-Based

Systems;

• How information and knowledge add value to an organization;

• Information Systems Trends;

• the Information Technology component of Information Systems;

• Information Systems Engineering.

• Strategic planning: Organizational strategies and objectives;

• Human resource development: budgeting, costing, charging, hire versus buy decisions;

• Hardware and software procurement: request for proposal, evaluation, selection, contracting and maintenance; Security in computing: continuity of processes, controls and planning for standby;

• Computer audit;

• Project management: approaches, tools, site planning and installation.

(f) **Assessment method:** Assessment will be in terms of tests and coursework (40%) and a final examination (60%)

**(g) Reference books:**

(i) Business Information Systems: Analysis, Design and Practice by Graham Curtis, 1995.

(ii) Business Information Systems: Technology, Development and Management for the E- Business by Paul Bocij, Dave Chaffey, Andrew Greasley, Simon Hickie