## Management Information Systems

| Course Title | Management Information Systems | | |
|---|---|---|---|
| Course Code | INF304B | Course Type | Business Course |
| Credit | 3 | Contact Hours | 45 |
| Prerequisites | INF101B | Co-Requisites | None |
| Duration | 15 weeks | Class Type | Lecture |

| SolBridge GACCS Objectives | % | Learning Objectives |
|---|---|---|
| 1. Global Perspective | 50 | 1. Discuss some fundamental concepts and components of information systems with fluency, for example nature of information, business processes, hardware, software, telecommunications (networks), databases, information security and systems, etc. |
| 2. Asian Expertise | 20 | 2. Demonstrate preliminary understanding of how information systems and technologies are significant in businesses, managerial activities and decision making |
| 3. Creative Management Mind | 20 | 3. Discuss the emerging issues related to management of information such as BIG DATA and Analytics |
| 4. Cross Cultural Communication | 0 | 4. Demonstrate knowledge about information systems serving diverse but specific business needs, for example enterprise integration, customer relationship, supply chain management, material resources planning etc. |
| 5. Social Responsibility | 10 | 5. Explain some of the system development methodologies, processes and techniques |
| | | 6. Discuss at least few strategies and approaches of systems implementation and integration. Introduces undergraduate students to fundamental concepts and issues related to information systems, underlying technologies and infrastructure, and their value for modern day businesses |

### Course Description

Particularly, this course introduces undergraduate students to basic concepts of information systems, how they aid various management functions, IT infrastructure of a firm, underlying technologies, and introduction to essential information systems for modern day enterprises and organizations. In order to equip students with practical skills for acquisition, development and deployment of the IS, the course will include several exercises, case studies and projects on BPR, TCO/ROI, and collaborative working. A few technology exercises may also be included. The course has been arranged into four generic modules as below; shade representing instructor's level of emphasis on the module

### Learning and Teaching Structure

This course will be taught through a series of lectures based on selected parts of the textbook and supplemental texts (with due permissions or creative commons license). The textbook can be substituted with online materials which will be informed later. There will be a few case studies on each topic with videos, hands-on in-class exercises and take-home assignments. A few of the assignments should be performed in groups. Students are expected to read the materials and participate actively in class discussions. All the materials will be posted on Moodle, which will also be the platform for all submissions. However, hard copies for each submission will be required in instructor's office. In addition to Moodle, students are also advised to check their SolBridge email frequently

| Assessment | % | Text and Materials |
|---|---|---|
| Attendance | 20 | Title: Management Information Systems - Managing the Digital Firm |
| Assignment | 20 | Edition: 13E/2014 |
| Midterm Examination | 20 | Authors: Kenneth C. Laudon and Jane P. Laudon |
| Final Examination | 40 | Publisher: Pearson (ISBN-10: 0273-75453-X, ISBN-13: 978-0273-75453-4) |

### Course content by Week

| Week | Content |
|---|---|
| 1 | Part I: Organizations, Management, and the Networked Enterprise, Orientation, Information Systems in Global Business today |
| 2 | Global E-Business: How Businesses use IS |
| 3-4 | Information Systems, Organizations, and Strategy, Ethical and Social Issues in Information Systems, Case Study and Assignment# 1 |
| 5-6 | Part II: Information Technology Infrastructure: IT infrastructure: Architecture of systems and Databases Systems |
| 7-9 | Telecommunications, Internet and Wireless, Information Systems Security and Midterm Examination |
| 10 | Part III: Key System Applications for the Digital Age, Enterprise Applications: Operational Efficiency |
| 11-12 | Enterprise Applications: Customer Relationship, Knowledge management, New business models for e-Commerce, digital markets, digital goods, |
| 13 | Part IV: Building and Managing Systems, Building and managing information systems |
| 14-15 | Final Examination and Term Project Presentations |