



1. School of	Natural and Applied Science
2. Department	Computing
3. Programme	BSc in Information Systems
4. Module Title	E-Business Techniques
5. Module Code	INF212
6. Year	2
7. Credits	12
8. Lectures per week	3
9. Lab Hours per week	1
10. Tutorial hours per week	
11. Revised	After 5 years
12. Approval Date	August 2016

13. Prerequisites:

None

14. Co-requisites:

None

15. Module Aim

The aim of this module is to provide students with an understanding of E-business techniques: technologies, legal issues and markets.

16.Intended Learning Outcomes

On successful completion of this module, students should be able to: a) Describe the most important techniques and issues in designing, building and modelling E-business systems.

- b) Appraise relevant E-business technologies and protocols.
- c) Design and implement transactional E-business applications
- d) Examine the importance of legal issues in E-business

17.Indicative Content

- a) New Models of E-Business
- b) Enterprise E-business application technologies
- c) Application Servers
- d) Business Data Interchange
- e) Mobile Commerce
- f) Review of Cryptography (symmetric, asymmetric, and secure hashing) g) Digital Signatures and Electronic Payment Protocols (e.g. Secure Electronic Transaction (SET))
- h) Smart Cards
- i) Software Agents
- j) Software Negotiation
- k) Computational markets (Business to Business (B2B), auctions, etc.)

18.Assessment

Continuous assessment 40%, final examination component 60%

19.Teaching and Learning Methods / Activities

- a) Lecture
- b) Practical Laboratory sessions
- c) Online learning

20. Recommended Resources and Prescribed Reading Lists

a) Prescribed reading

Laudon, K. C., & Traver, C. G. (2017). E-Commerce 2017, Global Edition. Pearson Education Limited.

Colin, C. (2006). Introduction to e-Business: Management and Strategy. England: Elsevier Ltd.

b) Recommended reading

Chaffey, D., Hickie, S., Greasley, A., & Bocij, P. (2014). Business Information Systems: Technology, Development and Management for the E-Business (5th ed.). Pearson.

Ince, D. (2009). Developing Distributed and E-commerce Applications (3rd ed.). Harlow: Prentice Hall.

Porter, M.E. (2004). The Competitive Strategy: Techniques for Analyzing Industries and Competitors, New York: Free Press