ECII 3208 **Information systems management and audit** **48 hours**

Week 1

Introduction to information systems: Definitions, Information hierarchy, Components of information systems, Types of information systems, Methods of data collection

Week 2

Introduction to information systems management; ICT in organization and management:, use of ICT ; IS infrastructure ,operation and personnel: Introduction

Week 3

Computer Capacity planning, Network Management, Personnel Management

Week 4

IS resource management: IS resources, IS resources management concepts, The role of IS, The location of IS, The organization of IS function, Matching IS resource to business community, Reporting level for IS function

Week 5

Procurement for IS products and services, External Acquisition of IS services, Contract staff and consultants, Acquisition payment alternatives is acquisition process, factor for information system acquisition, choice of IS acquisition method, criteria for IS acquisition; Information system maintenance: overview, techniques of maintaining IS;

Week 6

Cat 1

Week 7

IS project implementation management: Introduction, Activities covered by software project management, IS Project management techniques and tools,

Week 8

Problems with IS projects, IS projects symptoms and causes of failure , rescuing failing IS project; Management control, Stakeholders, Requirement specification

Week 9

Information systems security and Audit: Definition, Importance of computer security, Information systems security threats and crimes;

Week 10

IS in organizational change: Understanding organizational change, Managing change, impact of IS in change, implementation of a change programme in organization

Week 11

Cat 2

Week 12

Emerging IS management issues: Risk management, Ethical issues, Legal issues, security, crimes, Role of IS professional.