

Nepal Open University
Faculty of Science, Health and Technology

Master of Philosophy in Information and Communication Technology (MPhil in ICT)

Course Outline (Syllabus)

Course Title : Digital Governance

Credit Hours : 3

Course Code No: ICT 703

Year : First

Semester : First

Introduction to the Course:

This course is designed with the aims of managing the concept Digital Governance to realize the full potential need of all stakeholders through of digital governance. This course is useful for students to get a good grasp of the role of digital governance as a key enabler to achieve good governance objectives. So, the goal of this course is to cover major topics so that a foundation is laid for learning as the field unfolds in the future. The course will examine strategic as well as operational issues of digital governance management.

Course Objectives:

The objective of the course is:

- To understand the differences between governance and digital governance systems for transaction processing and Information support systems for decision-making to make the good governance.

Course Contents:

[45 total hours]

Unit 01: Introduction

[4hrs]

- 1.1 Introduction to Digital-Governance
- 1.2 Needs of Digital Governance
- 1.3 Issues in Digital Governance applications and the Digital Divide
- 1.4 Evolution of Digital Governance
- 1.5 Digital Governance scope and content;
- 1.6 Present global trends of growth in Digital Governance, related issues.

Unit 02: Building Blocks of Digital Governance

[5 hrs]

- 2.1 Information Governance culture,
- 2.2 Awareness Information Governance Organization,
- 2.3 Decision-making and accountability Glossary of definitions & business terminology,
- 2.4 Data attributes roadmap Information Architecture,
- 2.5 Data Modeling, Metadata Management Data classifications & hierarchies, Naming & coding conventions Data Quality rules, policies & scorecards
- 2.6 Master data policies & workflows, Data Privacy, Data Protection,
- 2.7 Information Security Legal & regulatory compliance practices, Discovery Information Lifecycle

Unit 03: Digital Governance Strategies and Policies

[6hrs]

- 3.1 Digital Governance Framework
- 3.2 Digital Strategies
- 3.3 Digital Policies
- 3.4 Digital Standards
- 3.5 Digital Guidelines
- 3.6 Digital Processes
- 3.7 Digital Team Structures

- Unit 04: Whole of Government [8hrs]**
- 4.1 Whole of Government and Approach
 - 4.2 Conceptual Model for IT Strategy Management
 - 4.3 SDGs and Whole of Government Approach
 - 4.4 Whole of Government Framework
 - 4.5 Taking a Whole-of-Government Approach
 - 4.6 Dynamic and Potential Effects of Whole-of-Government
 - 4.7 Regulation, Performance, and Whole-of-Government
- Unit 05: ICT Infrastructure for Governance [4hrs]**
- 5.1 Enhancing ICT Development and connectivity for the land locked developing Countries.
 - 5.2 Data Centre for Digital Governance and Strategic ICT
 - 5.3 Maturity
 - 5.4 Work Program in GOVIS
 - 5.5 Impact and Improvement
 - 5.6 ICT Implementation Challenges for good Governance
- Unit 06: Enterprise Architecture [6hrs]**
- 6.1 Introduction to Enterprise Architecture (EA)
 - 6.2 Objective of Enterprise Architecture
 - 6.3 Enterprise Architecture Layers
 - 6.4 Enterprise Architecture Framework
 - 6.5 The open group Architecture Framework
 - 6.6 How can Enterprise Architecture Help to make good Governance
- Unit 07: Emergent Technologies for good governance [6hrs]**
- 7.1 Definition of Emerging Technology
 - 7.2 Governance of Emerging Technology
 - 7.3 The role of ICT in relation to National Career Development Policies
 - 7.4 Emerging Challenges and Solutions
- Unit 08: Case Study [6hrs]**
- 8.1 Case Study: Different areas of government [Digital Governance]

Mode of Delivery:

The mode of course delivery consists of open and distance (online/offline) and face-to-face or both. 25% of the course is designed to be delivered on online mode, 60% on offline, and remaining 15% on face-to-face mode.

Evaluation Scheme:

- In-semester: 40%
- End-semester: 60%

In Semester Evaluation (40%)	End Semester Evaluation (60%)
<ul style="list-style-type: none"> a) Unit Assignment/Project/Task (20%) b) Critical Comment/Review (15%) c) Interaction with the Tutor (5%) 	<ul style="list-style-type: none"> a) Short answer questions b) Long answer questions or research paper writing <p>(With a focus on higher order thinking skills such as analysis, synthesis, evaluation, etc.)</p>

Semester Guidelines:

- (i) The semester system is not only an examination system. The main objective of this system is to enhance student's knowledge, skill and capacity continuously, extensively and in depth.
- (ii) The normal and maximum duration for obtaining the master's degree is 24 months and 72 months respectively. Students failing to complete the requirements in 72 months have to re-enroll.
- (iii) Students need to maintain 80% online presence (attendance) for both theory and laboratory classes. They should be regular or part time as per the course registration in online classes. They should enter before starting the classes.

References:

- 1. Digital Governance, New Technologies for improving public service and participation, Micheal E. Milakovich.
- 2. Managing Digital Governance: Issues, Challenges, and Solutions (ASPA Series in Public Administration and Public Policy) 1st Edition by Yu-Che Chen.