

Business Systems Analysis

Course Outline



Business requirements analysis is more than just gathering some needs input from the business. It forms the basis of understanding and improving the business from several perspectives, performance, technology utilization and effectiveness.

Understanding where to apply scarce resources for improvements that yield measurable results is a key result of requirements analysis. The goal is results that are less expensive and easier to achieve than the existing methods

The mapping of requirements today into a technical solution is one of the more difficult tasks facing business systems development. The focus in this course is on business analysis, developing the business requirements and connecting to potential solution approaches.

*Requirements Analysis –
New Advances, Ideas and Techniques*

This seminar builds on existing and working ideas of requirements analysis with new ideas and techniques. It provides a focus to several emerging areas of concern such as e-business, business intelligence and new application development approaches. Many requirements approaches focus on data and process requirements for computer applications. Others are specific to specialized disciplines such as object techniques and structured analysis. This seminar offers a baseline of techniques and a means of adapting them to various requirements needs

Who should attend: Business systems teams, process analysts, business analysts, systems developers, managers

Quantity and choice of modules is adjusted to fit the educational needs and time frames

Business Systems Analysis

Available Modules

Section 1: Introduction and Overview

Introduction and course agenda
A short history of requirements analysis
Problem solving and requirements
Business systems today
Types of systems and solutions
The requirements idea part 1
Purpose and methodology ideas
Exercise – Setting Analysis Direction

Section 2: Levels of Requirements Analysis

Business versus technical requirements
Focus of the analysis
Targets for the analysis results
Implementation issues
Extracting requirements
Exercise – Enterprise Requirements Scope

Section 3: Developing Business Requirements

The requirements idea part 2
A modeling approach to requirements
The changing state of requirements
A requirements methodology
Partitioning source material
The solution set idea
Demonstration – A requirements gathering and analysis tool

Section 4: Enterprise Requirements Approaches

The concept of frameworks
Sample frameworks for analysis
The enterprise analysis approach
Analysis versus design
Business versus technology perspectives
Documenting enterprise requirements
Exercise – Analyzing the Enterprise... The Decomposition

Section 5: Operational Requirements Approaches

The package driven approach
The discipline driven approach
Application requirements
Implementation targets and requirements
Documenting operational requirements
Exercise – Operational Requirements... The Workflow

Section 6: The Core of Business Systems

Types of flows in the business
Process requirements
Process versus workflows
Workflows and systems
Workflows and technology enablement
Assessing enterprise impact by context
Issues of change management in the workplace
Demonstration – A Workflow Product

Section 7: Documenting Requirements

Types of requirements
The requirements packet
Identifying the 'As Is' state
Articulating the 'To Be' state
Requirements review
Mapping requirements to development
Exercise – The Requirements Packet

Section 8: Transforming from Requirements to a System

The transformation to design
Working with flows
Immediate flow context
Inputs, outputs, controls, events, triggers
General flow context – where the system is used
Enablers – Technology, Skills
Demonstration – A Process Modeling Product

Section 9: Traditional Business Systems Requirements

Extracting the requirements
Systems Development LifeCycle (SDLC)
Structured methods
Object methods
Construction approaches
Outsourcing development
Exercise – Business Systems Requirements

Section 10: Requirements for Business Performance

Management disciplines and measures
Measures driven requirements
Analytic workflows and taxonomies
The data issues
ETL, warehouses, datamarts, ODS
Data presentation approach
Demonstration – A Business Intelligence Tool Example

Section 11: E-Business Requirements

Identifying the need
Developing requirements
The service orientation concept
Defining and grouping services
Mapping business to technical requirements
Exercise – Developing Web Requirements

Section 12: Managing the Analysis Project

The project plan components
The 'As – Is' and the 'To – Be'
Migration considerations
Tracking performance
Evaluation
Exercise – The Project Plan

Section 13: Architecture Driven Analysis

The trend today - architectures
Models and architectures
Information lifecycle management
Business models versus requirements models
Model management
Model repositories
Exercise – The One Page Architecture

Section 14: Tools for Business Analysis

The analysis tool suite
Analysis tools
Repositories for analysis models
Design tools
Other support tools
Exercise – A Tool Selection Checklist

Section 15: Issues and Trends in Business Analysis

Methodologies
New tools and repositories and their impact
The disappearing developer
The computing grid – assembling applications
Change management
Final Question and Answer Period