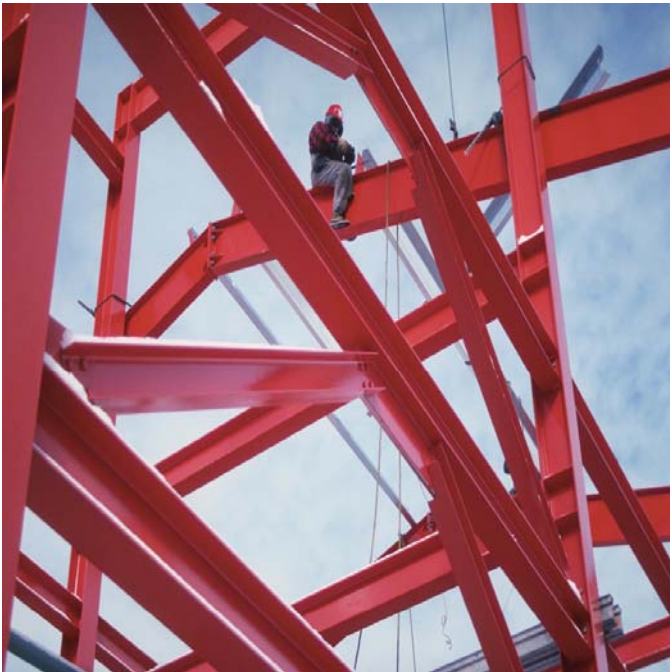


*Business System Design II*

*Course Outline*



Successful business system implementation today is properly engineering the solution in a high quality manner.

Systems development has gone through a remarkable transition. One thing has remained the same is that a general set of principles govern the development life cycle regardless of the approach to construction.

Once the requirements are complete, a design is generated for the new system. Along with the design is a plan for testing and implementation of the result.

# Design Test Implement

This seminar is intended for people who want to understand what it takes to roll out an application. A key component of the success of any application is the planning that goes into the deployment. By addressing the design, testing and implementing issues in an planned, organized manner, the quality of the application and the end user's acceptance can be improved. While the course will address the overall life cycle of application development, the focus will be on the creation of user interface improvements, test plans and deployment plans, including systems support, and training materials.

## Business System Design II

## Course Outline

### Module 1: Business Systems Development Today

- Introduction and course agenda
- The development life cycle
- Different approaches to development
- The general development methodology
- Development and architecture
- The changing user landscape

*Exercise – Systems Development Profile of Readiness*

### Module 2: Core Design Concepts for Systems

- Enterprise architecture artifacts
- Using models for development
- Understanding requirements – the activity unit
- Structuring an application
- The module and service idea

*Exercise – Preparing Design Artifacts*

### Module 3: An Overview of Implementation Today

- Data, actions and presentation
- Principles and planning
- Testing approaches
- Integration strategies
- Deployment concepts
- Project planning

*Demonstration – A Development Tool – Service Oriented Development*

### Module 4: Developing the Data Model

- The data model idea
- Views by module
- Data extraction
- Distributed data
- Data integration
- The data management plan

•*Exercise – Creating A Simple Data Model*

### Module 5: Developing the Application

- Modular, structured and object ideas
- Inputs and outputs
- The transformation
- Controls and rules
- The system user relationship

*Demonstration – A Business Intelligence Product*

### Module 6: User Interface Design

- Traditional systems
- E-Business solutions
- Legacy integration
- Business intelligence
- Knowledge and content management
- Outsourcing and packages

*Exercise – A BI System Interface*

### Module 7: Concepts of Testing

- Testing principles
- Types of testing
- The user framework
- The process view
- The testing plan

*Exercise – Developing a Testing Plan*

### Module 8: Data Quality Assessment

- Data conversion ideas
- Defining the quality level
- Quality evaluation
- Data cleansing
- The conversion cycle

*Exercise – Setting up a Quality Assessment*

### Module 9: Model driven development

- Some development ideas
- Developing with models
- Model driven architecture
- The requirements map
- Automatic generation today

*Demonstration – An E – Flow Development Tool*

### Module 10: Testing for Different Types of Solutions

- Package testing
- Content management
- Business intelligence
- Application integration
- Structured approaches
- Service oriented architectures

*Demonstration – A Process Modeling and Architecture Tool*

### Module 11: Deployment

- The transition plan
- Installation
- Activation
- Turnover
- System training needs

*Exercise – Determining Skills/Training Needs*

### Module Section 12: User training

- The urgency of training today
- Education versus training
- Learning management
- Course development
- Training governance

*Exercise – Managing Training*

### Module 13: System Support Concepts

- Different types of support
- Support - Technical
- Support – Help Desk
- System promotion – Newsletters and Notifications
- Governance and configuration control

*Exercise – Determining Help Desk Needs*

### Module 14: Tools for Business System Development

- Tool selection and selection checklists
- Development environments
- Testing tools
- Cleansing tools
- Help desk tools

*Exercise – A Tool Selection Checklist*

### Module 15: Issues and Trends in System Development

- The computing grid – assembling applications
- The emerging tools
- The disappearing developer
- Managing change

*Exercise – Final Question and Answer Period*