



SYSTEMS MODELLING TECHNIQUES

Systems Modelling Techniques is one of an integrated set of courses leading to the widely respected British Computer Society Information Systems Examination Board (ISEB) Diploma in Systems Development. It can also lead to the ISEB Diploma in Business Analysis.

Systems Modelling Techniques is a CORE module of the ISEB Diploma in Solution Development. It is a PRACTITIONER specialist module of the ISEB Diploma in Business Analysis.

SYSTEMS MODELLING TECHNIQUES

This course is primarily concerned with modelling systems from a variety of perspectives. It requires delegates to construct three main types of model reflecting these individual perspectives and to describe the interactions between them. The method followed for modelling is based on a structured approach. Modelling systems is an aid to the design of robust flexible and maintainable systems, and a communication mechanism for deployment and operational use.

Course Objectives

This course will enable delegates to:

- Justify the need for IT system modelling and modelling techniques
- Explain why it is important to model IT system requirements from different perspectives
- Develop models of system functionality and system data
- Develop a dynamic model
- Evaluate selected models against business objectives and system requirements
- Appreciate how the selected models inter-relate with each other
- Describe how the products of analysis feed into the design and development of a system
- Prepare for the ISEB Certificate in Systems Modelling Techniques

Who Should Attend

Those who are likely to become involved in business analysis or systems development at any level, including:

- Business Analysts and Systems Analysts
- Developers
- Project Managers and Team Leaders
- Quality Assurance and Quality Control Managers
- Release Managers and Test Managers

Course Duration: 3 days

Course Code: SMT

Detailed Course Content

Systems Modelling

- The need for modelling and modelling standards
- Rationale for the selected approach
- The approach and a Systems Development Lifecycle
- Place of models within the Systems Development Lifecycle
- Modelling the IT system from different perspectives
- Interaction of the selected models
- Validating and verifying models

Systems Modelling in Context

- Monitoring analysis against business objectives and system requirements
- The bridge to design, software package selection and development

Modelling Functionality

- Modelling processes using a Data Flow Diagram
- Elementary Process Descriptions
- Documenting the processing
- Types of Data Flow Diagrams

(continued overleaf)

Pre-requisites, evening study and examinations

There are no pre-requisites for the course. Delegates can take an optional one-hour written examination at the end of the course. Successful candidates are awarded the ISEB Certificate in Systems Modelling Techniques.



Detailed Course Content (continued)

Static Modelling

Modelling data using Entity Relationship Diagrams
Supporting documentation

Dynamic Modelling

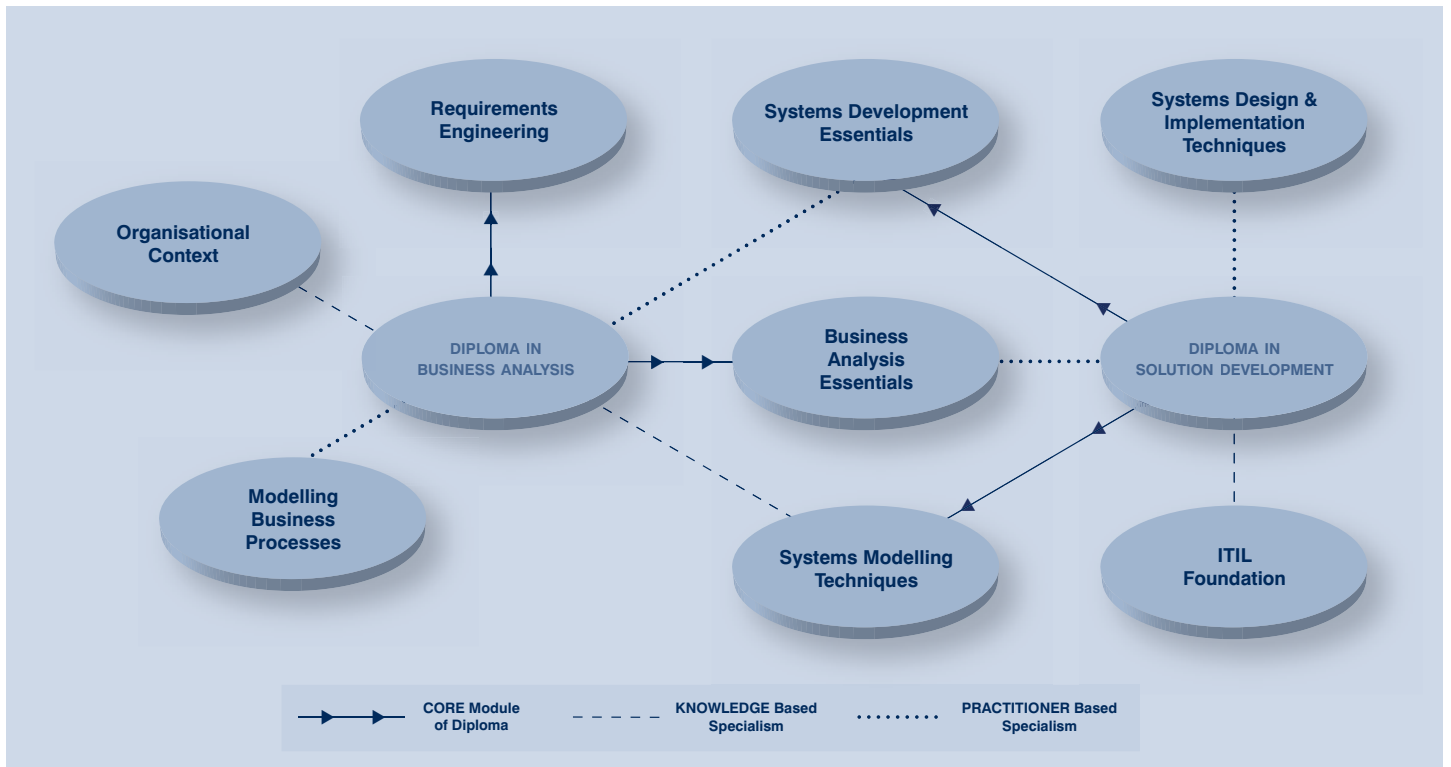
Analysing the behaviour of entities
Modelling the behaviour of entities
Documenting navigation paths

More Information

If you would like to discuss anything further, please email us at contact@tcc-net.com

If you have four or more people to train and would like this course run in-house, please **call us** for further details.

Related TCC Training Courses



SMT201