

UNIVERSITY OF NORTHAMPTON

Name of course: Master of Science in Business Analytics

Module Description

[BSOM080] APPLIED SYSTEMS ANALYSIS

The purpose of this module is to provide an overview of approaches in business and systems analysis. A range of systems analysis approaches are covered, with an emphasis on Systems Thinking and Business/System Dynamics.

[BSOM079] BUSINESS INTELLIGENCE

The purpose of this module to provide the opportunity to the learners to evaluate the underlying concepts in business intelligence and analytics, decision sciences and Big Data. The students will also engage with the application of some data analytic techniques in given case studies.

[BSOM078] DIGITAL TWINS AND INTERNET OF THINGS

Digital Twin technologies are revolutionary phenomena for developing an exact digital or cyber replica of a physical asset or a system. Within this module, the learners will have the opportunity to investigate Digital Twin (DT) as an emerging technology, Internet of Things (IoT) as an enabler and other related theories and practices.

[BSOM071] FUNDAMENTALS OF PROJECT MANAGEMENT

Fast moving dynamic development within organisations means that having a basic 'toolkit' of modern and de facto project management techniques, with an emphasis on applying these is a vital requirement for project management students. This module develops students' understanding of theoretical practices, practical tools and techniques, and equips them to face the challenges facing project managers today.

[BSOM061] INFORMATION SYSTEMS METHODS

This module provides a holistic overview of methods used in assessment, analysis, design and implementation of information systems. Learners will be able to gain a thorough understanding of business needs in this context and explore the topics associated with different IS methods and also the selection, evaluation and comparison of appropriate methodologies and tools.

[BSOM058] STRATEGIC MANAGEMENT OF IS

The purpose of this module is to provide students with the capability to co-ordinate and carry out activities and processes relevant for the creation of IS strategies with a view to provide superior business performance. These strategies are then justified against several alternatives.

[BSOM077] BUSINESS RESEARCH PROJECT

The purpose of this module is to offer the opportunity to the learners to develop skills in completing an investigative research project. The students will use their project management skills, their specialist skills gained in other modules, and they will work towards successfully completing the capstone project of their master's degree.