IT7001	Systems Analysis and Design

بوليتكنك البحرين
Bahrain Polytechnic

Course Aim To develop students' abilities to analyse simple and complex information systems, model business and systems requirements, and document logical and physical design solutions by using appropriate methods, techniques, tools and industry standards.

Short Title	SAD	Version	5
Faculty	EDICT	Effective From	February 2016
		NQF Level	7
Credits	15	Student Contact hrs	90
Pre-requisites	IT6005 (ITB5005)	Self-directed hrs	60
Co-requisites	None	Other directed hrs	0
Anti-requisites	None	Total learning hrs	150

Learning Outcomes

On successful completion of this course, students will be able to:

		NQF Sub-strand
1	Demonstrate understanding of the concepts and basic principles of system development.	Theoretical Understanding
2	Produce a set of documents and models for a new system by applying fact finding, problem solving and object-oriented analysis modelling techniques and by using appropriate software tools.	Practical Application of knowledge
3	Perform feasibility analysis to recommend the optimal solution for a new system.	Practical Application of knowledge
4	Produce a physical design specification for a new system by applying object-oriented design modelling techniques and using appropriate software tools.	Practical Application of knowledge