Course Title: Systems Analysis and Design

Course Number:	ISCG6414	Level:	6	Credits:	15

Main programme:	BCS
Pre-requisites:	For BCS: (ISCG5410 or ISCG5234) and (ISCG 5423 or ISCG5236) For GDCMP: (ISCG 5423 or ISCG5236)
Co-requisites:	BCS: ISCG5430 or ISCG5237
Restrictions:	ISCG7132, ISCG7142, ISCG6234
Compulsory/elective:	Elective

Learning time[1]: 150 hours

Directed (Supervised) Hours	Self-Directed (Unsupervised) Hours	Total Hours
39	111	150

Level Descriptor: The student is able to:
- carry out processes that require a command of wide-ranging highly specialised technical or theoretical knowledge
- analyse and generate solutions to familiar and unfamiliar problems
- select and apply a range of relevant standard and non-standard processes
- complete self management of learning and performance within dynamic contexts
- take responsibility for leadership within dynamic contexts

Course aim: To enable students to analyse simple and complex information systems, model business and systems requirements, and document design solutions using appropriate methods, tools, and standards. To enable students to design and document simple and complex solutions using object oriented analysis and design modelling techniques.

Learning outcomes:

	Learning outcomes
1.	Explain the concepts of the Systems Life Cycle and Systems Development Life Cycle. Identify and evaluate the methods used in the Systems Development Life Cycle
2.	Apply process, data and object modelling techniques and tools
3.	Solve a business systems problem by choosing a method and applying the analysis and design techniques.

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