Title (Units):	**COMP4077 Selected Topics in Enterprise Systems and Business Intelligence (3,3,0)**

Course Aims:	To learn some state-of-the-art topics in enterprise systems and business intelligence.

Prerequisite:	The pre-requisite depends on the specific topics covered. The pre-requisite and the chosen topics will be announced before the semester starts.

Course Intended Learning Outcomes (CILOs):
Upon successful completion of this course, students should be able to:

No.	Course Intended Learning Outcomes (CILOs)
	Knowledge
1	Describe the importance of the selected topics in enterprise systems and business intelligence
2	Describe the problems involved in the selected topics and explain the solutions to these problems
	Professional Skill
3	Master problem solving and/or practical skills relevant to the selected topics
	Attitude
4	Articulate a view that the field of enterprise systems and business intelligence is evolving rapidly and perceive the importance of continuous lifelong learning

Calendar Description:	Students will learn state-of-the-art topics in enterprise systems and business intelligence. Emphasis will be placed on the current issues, methodologies and/or practice. After completing this course, students will understand some current topics in and methodologies of enterprise systems and business intelligence.

Teaching and Learning Activities (TLAs):

CILOs	Type of TLA
1-4	Students will learn the concepts via lectures, in-class discussion and assignments.
3	Students will acquire hand-on experience in using related software tools via laboratory sessions.

Assessment:

No.	Assessment Methods	Weighting	CILOs to be addressed	Description of Assessment Tasks
1	Continuous Assessment	40%	1-3	Continuous assessments are designed such that students apply what they have learned to solve the problems involved in the selected topics in enterprise systems and business intelligence.
2	Examination	60%	1-3	Final examination questions are designed to assess students' understanding in the concepts and their ability in applying these concepts to solve problems.

Assessment Rubrics:

Criteria	Excellent (A)	Good (B)	Satisfactory (C)	Marginal Pass (D)	Fail (F)
Use practical skills on related tools to solve related problems.	Compare and contrast different methods for solving a set of selected problems using related tools and identify appropriate	Analyse and formulate a set of selected problems and solve them using related tools	Analyse and formulate one simple problem and solve them using related tools	Solve some carefully analyzed and designed problems using related tools	Unable to use related tools to solve problems

	occasions or contexts for their use				
Describe the key concepts and technologies on Enterprise Systems and Business Intelligence	Describe with illustrated examples the features of key concepts and technologies on Enterprise Systems and Business Intelligence, and explain how they work in the context of a number of selected occasions	Clearly describe the features of key concepts and technologies on Enterprise Systems and Business Intelligence, and Explain how they work using simple worked examples	Describe the features of various key concepts and technologies on Enterprise Systems and Business Intelligence	Identify the purpose of designing different technologies on Enterprise Systems and Business Intelligence	Unable to clearly identify key concepts and technologies on Enterprise Systems and Business Intelligence

Course Content and CILOs Mapping:

	Content	CILO No.
I	At least one state-of-the-art topic in Enterprise System and Business Intelligence	1, 2, 3, 4

References:
- Selected articles from journals, magazines, conference proceedings, research monographs, etc.

Course Content:

Topic

I.   At least one state-of-the-art topic in Enterprise System and Business Intelligence
- Current Topics in ERP, SCM and CRM
- Current Topics in Business Intelligence
- Advanced Decision Models and Support
- Advanced Enterprise Systems Architecture
- Advanced Topics in IS Security and Audit, IT Governance
- Current Topics in Data Warehousing and Knowledge Management
- Case Studies
- Other contempnary topics in Enterprise System and Business Intelligence