

## COURSE INFORMATION

1. Name of Course 2. Course Code 3. Type of Course (e.g.: Core, major, elective etc.) 4. Synopsis 5. Version (State the date of theSenate's approval - previous and the current approval date) 6. Name(s) of Academic Staff 7. Semester and Year Offered 7. Cedit Value 7. Cedit Value 7. Pre-Requisite 7. Objective of the course in the programme: 9. Information systems Planning and Dev Tissastal Systems (Information Systems of the Course in the programme) 1. Information Systems Planning and Dev Tissastal Specialization Core for BCS (IS) 1. Current: January 2018 1. Current: January 2018 1. Previous: June 2016 1. Name(s) of Academic Staff 1. Helmi Mohamed Hussain 1. Semester and Year Offered 1. Trimester 2 (Gamma Level) 1. Objective of the course in the programme: 1. Depocate students to processes and techniques in planning and developing information systems	with skills on planning cover the different type nent approaches in the	es of information e planning and						
3 . Type of Course (e.g. : Core, major, elective etc.)  4 . Synopsis  This course aims to equip the students information systems. The main topics of systems, methodologies and managen development of information systems, at the date of theSenate's approval - previous and the current approval date)  Current: January 2018 Previous: June 2016  Amme(s) of Academic Staff  Semester and Year Offered  Trimester 2 (Gamma Level)  Cerdit Value  Pre-Requisite  Objective of the course in the programme:	cover the different type ment approaches in the	es of information e planning and						
(e.g.: Core, major, elective etc.)  4 . Synopsis  This course aims to equip the students information systems. The main topics of systems, methodologies and managen development of information systems, at the date of the Senate's approval - previous and the current approval date)  5 . Version (State the date of the Senate's approval - previous and the current approval date)  6 . Name(s) of Academic Staff Timester 2 (Gamma Level)  8 . Credit Value Trimester 2 (Gamma Level)  9 . Pre-Requisite NIL  Objective of the course in the programme:	cover the different type ment approaches in the	es of information e planning and						
information systems. The main topics of systems, methodologies and managen development of information systems, as systems, methodologies and managen development of information systems, as current: January 2018    Current: January 2018	cover the different type ment approaches in the	es of information e planning and						
systems, methodologies and managen development of information systems, a  5 · Version (State the date of theSenate's approval - previous and the current approval date)  6 · Name(s) of Academic Staff  7 · Semester and Year Offered  8 · Credit Value  9 · Pre-Requisite  10 · Objective of the course in the programme:	nent approaches in the	e planning and						
5 . Version (State the date of theSenate's approval - previous and the current approval date)  6 . Name(s) of Academic Staff 7 . Semester and Year Offered 8 . Credit Value 9 . Pre-Requisite 10 . Objective of the course in the programme:	nd lesson on enterpri	se software.						
(State the date of theSenate's approval - previous and the current approval date)  6 . Name(s) of Academic Staff  7 . Semester and Year Offered  8 . Credit Value  9 . Pre-Requisite  10 . Objective of the course in the programme:								
(State the date of theSenate's approval - previous and the current approval date)  Previous: June 2016  6 . Name(s) of Academic Staff  7 . Semester and Year Offered  8 . Credit Value  9 . Pre-Requisite  Objective of the course in the programme:								
6 . Name(s) of Academic Staff Helmi Mohamed Hussain 7 . Semester and Year Offered Trimester 2 (Gamma Level) 8 . Credit Value 4 credit hours 9 . Pre-Requisite NIL 10 . Objective of the course in the programme:								
7 . Semester and Year Offered         Trimester 2 (Gamma Level)           8 . Credit Value         4 credit hours           9 . Pre-Requisite         NIL           10 . Objective of the course in the programme:								
7 . Semester and Year Offered         Trimester 2 (Gamma Level)           8 . Credit Value         4 credit hours           9 . Pre-Requisite         NIL           10 . Objective of the course in the programme:		Helmi Mohamed Hussain						
9 . Pre-Requisite NIL  10 . Objective of the course in the programme:		Trimester 2 (Gamma Level)						
10 Objective of the course in the programme:								
To expose students to processes and techniques in planning and developing information systems								
<ul> <li>To understand the systematic procedures in planning and developing computer-based information systems.</li> <li>To understand the rudimentary skills for building the information systems.</li> </ul>								
Justification for including the course in the programme:								
To provide students with the knowledge on how information systems are planned and developed using a variety of techniques and tools.								
12 . Course Learning Outcomes (CLO) Domain		Level						
CLO1: Describe information systems in a variety of contexts using a range of appropriate  Cognitive		1						
approaches and techniques.	+							
CLO2: Explain the different phases and stages involved in the planning and development of information systems.  Cognitive		2						
CLO3: Demonstrate a variety of methods involved in the methodologies for information	+							
systems.  Affective		3						
CLO4: Apply the tools and techniques by using enterprise software in the process of planning	1	†						
and development of information systems.		3						
13 . Mapping of the Course Learning Outcomes to the Programme Learning Outcomes, Teaching Methods and Assessment:		_•						
Course Learning Programme Learning Outcomes (PLO) Teaching Methods	Assess	ment Method						
Outcomes (CLO)	1.00000							
(Must tally with CLOs in								
item 12)   P   P   P   P   P   P   P   L   L   L								
CLO1   Lecture/Practical	Test/Assignment/F							
CLO2         Y         Y         Lecture/Practical           CLO3         Y         Y         Y         Lecture/Practical	Test/Assignment/F Test/Assignment/F							
CLO3	Assignment/Fina							
Indicate the relevancy between the CLO an								
Total 4 4 2 (This description must be read together with pages 16 & 18 of COPPA 2.0)	1 standards 2.1.2, 2.2.1,	and 2.2.2 in Area 2 –						
14 . Transferable Skills:								
Trainsteraule Skins. Critical thinking, Time management, Leadership								
15 . Distribution of Student Learning Time (SLT)								
Teaching and Learning Activities Guided								
Course Content Outline **CLO Guided Learning Learning Learning Learning	Independent							
5 2549		Total SI T						
(F2F)* (NF2F)*	Learning (NF2F)*	Total SLT						
*L *T *P *O (NF2F)*	Learning	Total SLT						
*L *T *P *O	Learning	Total SLT						
Information Systems Vision The Information Systems environment: The challenges of	Learning (NF2F)*							
Information Systems Vision  The Information Systems environment; The challenges of Information Systems; Current trends in influencing	Learning	Total SLT						
Information Systems Vision The Information Systems environment; The challenges of	Learning (NF2F)*							
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems strategy and deployment  1 2 2 2	Learning (NF2F)*							
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems strategy and deployment  Transaction Processing Systems, Enterprise	Learning (NF2F)*							
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems strategy and deployment  1 2 2 2	Learning (NF2F)*							
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Systems, Enterprise Resource Planning Systems, Management Information Systems, Decision Support Systems, Specialized Business Information Systems  1 2 2 2  2 3 4 5 5 6 6 6 8 8 6 8 8 9 9 9 9 9 9 9 9 9 9 9 9	Learning (NF2F)*	8						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems strategy and deployment  Transaction Processing Systems, Enterprise Resource Planning Systems, Management Information Systems, Decision Support Systems, Specialized  1, 2, 3  6  8	Learning (NF2F)*	8						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems strategy and deployment  Transaction Processing Systems, Enterprise Resource Planning Systems, Management Information 2 Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for	Learning (NF2F)*  4	32						
Information Systems Vision  The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems strategy and deployment  Transaction Processing Systems, Enterprise Resource Planning Systems, Management Information 2 Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for 3 Large and Small Companies  1, 2, 4  4  4	Learning (NF2F)*	8						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems, Strategy and deployment  Transaction Processing Systems, Enterprise Resource Planning Systems, Management Information 2 Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for	Learning (NF2F)*  4	32						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems, Systems, Enterprise Resource Planning Systems, Management Information Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for 3 Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues	Learning (NF2F)*  4	32						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems strategy and deployment  Transaction Processing Systems, Enterprise Resource Planning Systems, Management Information 2 Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for 3 Large and Small Companies Companisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview; Factors of successful systems development;	Learning (NF2F)*  4  12	32						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems, Systems, Enterprise Resource Planning Systems, Management Information 2 Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for 3 Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview: Factors of successful systems development; Systems development steps; Systems development tools  1, 2, 3, 4  4  4  4  4  4  4  4  4  4  4  4  4	Learning (NF2F)*  4	32						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems strategy and deployment  Transaction Processing Systems, Enterprise Resource Planning Systems, Management Information 2 Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for 3 Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview: Factors of successful systems development;	Learning (NF2F)*  4  12	32						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems, Systems, Enterprise Resource Planning Systems, Management Information Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview: Factors of successful systems development; Systems development steps; Systems development tools and techniques; Types of testing and user acceptance;	Learning (NF2F)*  4  12	32						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems strategy and deployment  Transaction Processing Systems, Enterprise Resource Planning Systems, Management Information 2 Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for 2 Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview; Factors of successful systems development; 4 Systems development steps; Systems development tools and techniques; Types of testing and user acceptance; Managing changes  Methodologies for Custom Software Development and	Learning (NF2F)*  4  12	32						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems, Systems, Enterprise Resource Planning Systems, Management Information Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview: Factors of successful systems development; Systems development steps; Systems development tools and techniques; Types of testing and user acceptance; Managing changes  Methodologies for Custom Software Development and Purchased Software Packages	Learning (NF2F)*  4  12	32						
Information Systems Vision  The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems strategy and deployment  Transaction Processing Systems, Enterprise Resource Planning Systems, Management Information 2 Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for 3 Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview: Factors of successful systems development; 4 Systems development steps; Systems development tools and techniques; Types of testing and user acceptance; Managing changes  Methodologies for Custom Software Development and Purchased Software Packages 5DLC, Prototyping, Rapid Application Development,	Learning (NF2F)*  4  12	32						
Information Systems Vision  The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems Strategy and deployment  Transaction Processing Systems, Enterprise Resource Planning Systems, Management Information  2 Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for  3 Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview: Factors of successful systems development;  4 Systems development steps; Systems development tools and techniques; Types of testing and user acceptance; Managing changes  Methodologies for Custom Software Development and Purchased Software Packages SDLC Protoprious Rapid Application Development	Learning (NF2F)*  4  12  8	32 16						
Information Systems Vision  The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems Strategy and deployment  Transaction Processing Systems, Enterprise Resource Planning Systems, Management Information  2 Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for  3 Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview; Factors of successful systems development; 4 Systems development steps; Systems development tools and techniques; Types of testing and user acceptance; Managing changes  Methodologies for Custom Software Development, Outsourcing management; Develop or purchase decision, Outsourcing management; Develop or purchase decision,	Learning (NF2F)*  4  12  8	32 16						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems, Specialized Resource Planning Systems, Management Information Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview: Factors of successful systems development; Systems development steps; Systems development tools and techniques; Types of testing and user acceptance; Managing changes  Methodologies for Custom Software Development, Outsourcing management; Develop or purchase decision, Purchasing methodology, ERP packages, Application  1, 2, 3, 4  2  4  4  4  4  4  4  4  4  4  4  4  4	Learning (NF2F)*  4  12  8	32 16						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems, Specialized Resource Planning Systems, Management Information Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview: Factors of successful systems development; Systems development steps; Systems development tools and techniques; Types of testing and user acceptance; Managing changes  Methodologies for Custom Software Development, Outsourcing management; Develop or purchase decision, Purchasing methodology, ERP packages, Application  1, 2, 3, 4  2  4  4  4  4  4  4  4  4  4  4  4  4	Learning (NF2F)*  4  12  8	32 16						
Information Systems Vision The Information Systems environment; The challenges of Information Systems, Current trends in influencing Information Systems; Current trends in influencing Information Systems strategy and deployment  Transaction Processing Systems, Enterprise Resource Planning Systems, Management Information Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview: Factors of successful systems development; Systems development steps; Systems development tools and techniques; Types of testing and user acceptance; Managing changes  Methodologies for Custom Software Development and Purchased Software Packages SDLC, Prototyping, Rapid Application Development, Outsourcing management; Develop or purchase decision, Purchasing methodology, ERP packages, Application Service Providers  Information Systems Planning Management Approach Project portfolio management; Project initiation, planning,	Learning (NF2F)*  4  12  8  6	16 16						
Information Systems Vision The Information Systems environment; The challenges of Information Systems; Current trends in influencing Information Systems; Current trends in influencing Information Systems strategy and deployment  Transaction Processing Systems, Enterprise Resource Planning Systems, Management Information 2 Systems, Decision Support Systems, Specialized Business Information Systems Overview; Characteristics; Components  Information Systems Planning and Development for 3 Large and Small Companies Comparisons; Problems; Critical success factor  Systems Development: Steps, Tools and Issues Overview: Factors of successful systems development; 4 Systems development Steps; Systems development tools and techniques; Types of testing and user acceptance; Managing changes  Methodologies for Custom Software Development, Outsourcing management; Develop or purchase decision, Purchasing methodology, ERP packages, Application Service Providers  Information Systems Planning Management Approach	Learning (NF2F)*  4  12  8	32 16						

7	Strategic Information Systems Identifying Strategic Information Systems; Knowledge creation and organizational learning; Implementing Strategic Information Systems	1, 2, 3	2		2			4	8		
								Total SLT	112		
	SUMMATIVE ASSESSMENT										
1. C	. Continuous Assessment				Per	centa	ge %	Total SLT			
Tes						20%		12			
Ass	signment			30%				14			
	<u> </u>		Total	SLT f	or Co	ntinu	ous Assessment	26			
2. F	Final Assessment				Per	centa	ge %	Total SLT F2F ILT			
Fina	al Exam					50%		2	20		
	ar Exam	Tot	al SLT fo	r Fina	al Ass		ent (F2F + NF2F)		22		
	and Total					100%	0	160			
	*Indicate the CLO based on the CLO's numbering in Item 12. L= Lecture, *T= Tutorial, *P= Practical, *O= Others, F2F*= Face to Face, NF2F*= Non Face to Face										
	Identify Special Requirement to Deliver the Course (e.g., software, nursery, computer lab, simulation room):  Enterprise Resource Planning software: SAP ERP										
17 . <b>Ma</b> i	in References:										
1. C	Additional References:  1. Carol V. Brown, Daniel W. DeHayes, Jeffrey A. Hoffer, E. Wainright Martin, and William C. Perkins (2012) Managing Information Technology. 7th ed. Prentice Hall.  2. Ralph M. Stair and George W. Reynolds (2015) Principles of Information System. 12th ed. Thomson.  3. Leonard Jessup, and Joseph Valacich (2013) Information Systems Today: Managing in the Digital World. 6th ed. Prentice Hall.  4. Richard L. Van Horn, Albert B. Schwarzkopf, and R. Leon Price (2006) Information Systems Solutions: A Project Approach. 1st ed. McGraw-Hill.										

Note:

Cells shaded light grey contain formulas / fixed values. Edit these formulas only if needed.