

Bachelor of Applied Science (Computer Science & Computer Technology) Study Guide (Part 2)

YEAR (4)

Unit	Topics	Reference	Points
ICT 401	Advanced Mathematics 1	BAE401	3

Online Tutoring

BAE 401

[BAE401 Week 1 Lesson All](#)

BAE 401 Week 1 Lesson [Part 1](#) [Part 2](#) [Part 3](#) [Part 4](#) [Part 5](#) [Part 6](#)

[BAE401 Week 2 Lesson All](#)

[BAE401 Week 3 Lesson All](#)

WEEK (4) REVIEW + TEST & ASSESSMENT FOR BAE401

BAE 401 Advanced Engineering Mathematics (9 pt)

Subjects	Points	Competency Units
BAE 401 Advanced Engineering Mathematics	9	Maths 301 Introduction to Complex Variables (1 pt) Maths 302 Elementary Linear Algebra (1 pt) Maths 401 Continuous Distributions (1 pt) Maths 402 Discrete Distributions (1 pt) Maths 403 Engineering Mathematics (1 pt) Maths 501 Introduction to Probability(1 pt) Maths 501 Linear Algebra & Matrices (1 pt) Maths 502 Finite Difference Methods for Partial Differential Equations & Mathematical Modelling (1 pt) Maths 601 Random Variables (1 pt)

Part 1 Over all Knowledge of the subject

BAE 401 Advanced Engineering Mathematics

Part 2 Competency units of the subject

Maths 301 Introduction to Complex Variables (1 pt)

Maths 302 Elementary Linear Algebra (1 pt)

Maths 401 Continuous Distributions (1 pt)

Maths 402 Discrete Distributions (1 pt)

Maths 403 Engineering Mathematics (1 pt)

Maths 403 Engineering Mathematics Exercises

Maths 501 Introduction to Probability(1 pt)

Maths 501 Linear Algebra 1 (1 pt)

Maths 501 Linear Algebra 2

Maths 501 Linear Algebra & Matrices

Maths 502 Introductory Finite Difference Methods for Partial Differential Equations (1 pt)

Maths 502 Mathematical Modelling

Maths 601 Random Variables (1 pt)

Part (1) Overview Knowledge of the subject

Folder	BAE 401 Advanced Engineering Mathematics			
File	An Introduction to theory of complex variables			
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
1	12	to	16	Complex numbers
2	20	to	26	Functions

3	29	to	38	Differentiability
4	42	to	46	Integration in the complex plane
5	53	to	66	Integral theorems
6	71	to	73	Power series
	156	to	159	Introduction of rational functions of trigonometric functions.
Exercise Q 1 to Q8 of Assignment Number (1)				

Folder		BAE 401 Advanced Engineering Mathematics		
File		Continuous distribution		
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
2	7	&	20	Exponential distribution
3	9	&	31	Normal distribution
6	13	&	83	Gamma distribution
8	122			Convergence in distribution
10	127			F distribution
Exercise Q 9 to Q13 of Assignment Number (1)				

Folder		BAE 401 Advanced Engineering Mathematics		
File		Discrete distribution		
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				

Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
2	6	&	12	Binomial distribution
3	8	&	26	Poisson distribution
Exercise	Q 14	to	Q16	of Assignment Number (1)

Folder	BAE 401 Advanced Engineering Mathematics			
File	Elementary linear algebra			
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	27			Algebra in F^n Example problems
	30			Geometric meaning of vectors
	31			Geometric meaning of vector addition
	33			Distance between points in R^n Length of vector
	37			Geometric meaning of scalar multiplication
	47			Dot product
	54			Cross product
	73			System of equation geometry
	76			System of equation – Algebraic operation
	97			Matrice arithmetic
	125			Determinants –Basic technique & properties
Exercise	Q 17	to	Q34	of Assignment Number (1)

Folder BAE 401 Advanced Engineering Mathematics				
File Integration and differential equations				
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	10			List of integrals
	12	to	14	Introduction to background
	19	to	24	Theorem of integration
	32			Improper integrals
	33	to	37	Improper integral problems
	38	to	40	Integration of rational functions
	63	to	65	Differential equations
	67	to	68	First order ordinary differential equations
	69	to	72	Homogenous equations
	73	to	77	The general linear equations
Exercise	Q 35	to	Q47	of Assignment Number (1)

Folder BAE 401 Advanced Engineering Mathematics				
File Random variables				
<u>Instruction</u>				

				Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	20			Simple introduction examples
	21			Problems
	22			Frequency and distribution functions in 1 dimension
Exercise	Q 48	to	Q51	of Assignment Number (1)

Folder				BAE 401 Advanced Engineering Mathematics
File				Mathematical modelling preliminary
				<u>Instruction</u> Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	7			Introduction
	9	to	11	Discrete time model
	12	to	13	Example problems
Exercise	Q 52	to	Q53	of Assignment Number (1)

Folder				BAE 401 Advanced Engineering Mathematics
File				Elementary linear algebra
				<u>Instruction</u> Study the notes, calculate the example problems then do the exercises numbers as indicated

Chapter	Page	Topics
		Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	27	Algebra in F^n Example problems
	30	Geometric meaning of vectors
	31	Geometric meaning of vector addition
	33	Distance between points in R^n Length of vector
	37	Geometric meaning of scalar multiplication
	47	Dot product
	54	Cross product
	73	System of equation geometry
	76	System of equation – Algebraic operation
	97	Matrice arithmetic
	125	Determinants –Basic technique & properties
Exercise Q 17 to Q34 of Assignment Number (1)		

Part (2) Competency Units

Maths 301 Introduction to Complex Variables (1 pt)

Maths 302 Elementary Linear Algebra (1 pt)

Maths 401 Continuous Distributions (1 pt)

Maths 402 Discrete Distributions (1 pt)

Maths 403 Engineering Mathematics (1 pt)

Maths 501 Introduction to Probability(1 pt)

Maths 501 Linear Algebra & Matrices (1 pt)

Maths 502 Finite Difference Methods for Partial Differential Equations & Mathematical Modelling (1 pt)

Maths 601 Random Variables (1 pt)

Folder		Maths 301 Introduction to Complex Variables (1 pt)		
File		Maths 301 Introduction to Complex Variables		
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	80			The residue Theorem
	83			Example 32
	84	to	86	Example 33
	87			Example 34
	93			Fourier Transform
	95			Example 36
	96			Example 37
	96			Example 38
	107	to	108	Integral theorem of complex analysis with applications to the evaluation of real integral
	110			Introduction
	111			Example 1
	113			Integral theorems – The green Theorem
	114			Cauchy's integral theorem
	114	to	115	Example 2
	116	to	119	Example 3, 4, 5
	120	to	123	Cauchy's residue theorem
Exercise	Q 52	to	Q58	of Assignment Number (2)

Folder		Maths 302 Elementary Linear Algebra (1 pt)		
File		Maths 302 Elementary Linear Algebra		
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	134			A formula for the inverse
	138			Cramer's rule
	135	to	141	Example 6.2.3 , 6.2.4 , 6.2.6, 6.2.7
	165	to	169	Rank of a matrix
	177	to	182	Example 8.2.9 , 8.2.10, 8.3.3 , 8.3.5, 8.3.6, 8.3.7, 8.3.8
	182	to	186	Linear independence and bases Example 8.4.6, 8.4.7,
	193	to	194	Example 8.4.21, 8.4.22, 8.4.24
	211	to	212	Linear transformation
	214			Constructing the matrix of a linear transformation
	215	to	216	Example 9.2.3 , 9.2.4
	223			Example 9.2.14
	249	to	250	Linear programming
	253			Example 11.2.2
	255			Example 11.2.3
Exercise	Q 59	to	Q65	of Assignment Number (3)

Folder				Maths 401 Continuous Distribution (1 pt)
File				Maths 401 Continuous Distribution
<u>Instruction</u>				
				Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	126			X^2 Distribution
	127			F Distribution
	130			F Distribution & "t" Distribution
	126			Example 9.1
	127			Example 10.2
	130			Example 11.1
	121			Estimation of parameters
	131			Example 12.1
	133	to	134	Example 12.2
Exercise	Q 66	to	Q68	of Assignment Number (4)

Folder				Maths 402 Discrete Distribution (1 pt)
File				Maths 402 Discrete Distribution
<u>Instruction</u>				
				Study the notes, calculate the example problems then do the exercises numbers as indicated
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary

	33			Geometric distribution
	33	to	39	Example 4.1, 4.2, 4.3, 4.4, 4.5, 4.6
	51			Pascal distribution
	51			Example 5.1
	54			Negative binomial distribution
	54			Example 6.1
	56			Hyper geometric distribution
	56			Example 7.1
Exercise Q 69 to Q72 of Assignment Number (5)				

Unit		Maths 403 Engineering mathematics (1 pt)		
Folder	File	Maths 303 Essential Engineering Mathematics		
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page		Topics	
			Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary	
	23			Vectors and matrices
	30	&	35	Example problems
	39	to	48	Functions and limits , Example problems
	51	to	69	Calculation of one variable (Part 1) Differentiation, Example problems
	79	to	105	Calculation of one variable (Part 1) Integration, Example problems
	111	to	121	Calculus of many variables, Example problems
	123	to	126	Ordinary differential equations, Example problems
	134	to	142	Complex function theory , Example problems

Exercise Q 73 to Q90 of Assignment Number (6)

Folder				Maths 501 Introduction to probability (1 pt)
File				Maths 501 Introduction to probability
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	6	to	8	Theoretical background
	9			Example 2.1, 2.2
	12	To7.1	18	Example 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7
	19			Playing card
	20	to	23	Example 4.2. 4.3, 4.4, 4.5
	35			Binomial distribution
	35	to	37	Example 6.1, 6.2, 6.3
	38			Lotto Example
	42			Conditional probabilities –Baye’s formula
	42	to	43	Example 10.1, 10.2, 10.3
Exercise Q 91 to Q94 of Assignment Number (7)				

Folder				Maths 501 Linear algebra and matrices (1 pt)
File				Maths 501 Linear algebra and matrices
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	47			Linear transformation matrices
	48	to	49	Definition 2.1.1 to 2.1.3
	50			Example 2.1.4
	51			Example 2.1.6
	52	to	53	$i j$ Entry of product Definition 2.1.8
	54			Example 2.1.9
	55			Example 2.1.11
	58			Example 2.1.14
	62			Example 2.1.24 , 2.1.26
	64			Example 2.1.27
	65			Example 2.1.28
	122			Rank of matrices
	137	to	139	Row operations
	145			Example 4.2.5
	146			Example 4.2.6
Exercise	Q 95	to	Q98	of Assignment Number (8)

Folder		Maths 502 Introductory Finite Difference Method for PDE (1pt)	
File		Maths 502 Introductory Finite Difference Method for PDE	
<u>Instruction</u>			
Study the notes, calculate the example problems then do the exercises numbers as indicated			
Chapter	Page		Topics
			Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	10	to	15
			Partial differential equations. Example problems
	17	to	30
			Taylor theorem
	42		
			Iterative solution methods
	43		
			Jacobi Iteration
	45		
			Gauss Seidel Iteration
	47		
			Successive Relaxation method
Exercise	Q 99	to	Q108 of Assignment Number (9)

Folder		Maths 601 Random Variables (1 pt)	
File		Maths 601 Random Variables	
<u>Instruction</u>			
Study the notes, calculate the example problems then do the exercises numbers as indicated			
Chapter	Page		Topics
			Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	6	to	14
			Theoretical results
	20	to	34
			Frequencies and distribution (1 dimension)
	75	to	82
			Function of random variables
Exercise	Q109	to	Q115 of Assignment Number (10)

Unit	Topics	Reference	Points
ICT 402	Advanced Mathematics 2	BAE402	3

Online Tutoring

BAE 402

[BAE402 Week 1 Lesson](#)

[BAE 402 Week 2 Lesson](#)

[BAE 402 Week 3 Lesson](#)

BAE 402 Calculus (3 pt)

Subjects	Points	Competency Units
BAE 402 Calculus	3	Maths 304 Integration and Differential Equations. (1 pt) Maths 403 Second Order Ordinary Differential Equations (1 pt) Maths 303 Engineering Mathematics (1 pt)

Part 1 Over all Knowledge of the subject

BAE 402 Calculus

Part 2 Competency units of the subject

Engineering Maths+Calculus

Maths 304 Integration and Differential Equations. (1 pt)

Maths 403 Second Order Ordinary Differential Equations (1 pt)

Maths 303 Essential Engineering Mathematics (1 pt)

BAE 402 Calculus (3 pt)

Part (1) Overview Knowledge of the subject

Folder				BAE 402 Calculus			
File				Calculus 1 a .pdf			
<u>Instruction</u>							
Study the notes, calculate the example problems then do the exercises numbers as indicated							
Chapter		Page		Topics			
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary			
	50	to	57	Differentiation, Example problems			
	58	to	76	Integration, Example problems			
	79	to	96	Simple differential equations, Example problems			
Exercise		Q116 to Q122		of Assignment Number (11)			

Folder				BAE 402 Calculus			
File				Calculus 2 a .pdf			
<u>Instruction</u>							
Study the notes, calculate the example problems then do the exercises numbers as indicated							
Chapter		Page		Topics			
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary			
	8			Integration of trigonometric polynomials			
	11			Complex decomposition of a fraction between two polynomials			

	17			Chain rule
	19			Calculation of the directional derivatives
	29			An overview of integration in the plane and in the space
	44			Line integrals
	46			Surface integral
	70			Green's theorem in the plane
Exercise Q123 to Q127 of Assignment Number (11)				

Folder		BAE 402 Calculus		
File		Calculus 2b 1.pdf		
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page	Topics		
		Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary		
	7			The range of functions in several variables
	37			Line integral
	51			Space integral
	66			Line integral
Exercise Q128 to Q138 of Assignment Number (11)				

Additional Study

Calculus 2 C (2) , Calculus 2 C (3) , Calculus 2 C (4), Calculus 2 C (5) , Calculus 2 C (6) , Calculus 2 C (7)

Calculus 2 C (8) , Calculus 2 C (9), Calculus 2 C (10)

Folder		BAE 402 Calculus	
File		Calculus 3b. pdf	
<u>Instruction</u>			
Study the notes, calculate the example problems then do the exercises numbers as indicated			
Chapter	Page		Topics
			Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	66	to	88
	Power series method in solution of problems, Example problems		
Exercise	Q139	to	Q142 of Assignment Number (11)

Folder		BAE 402 Calculus	
File		Calculus 3C 1. pdf	
<u>Instruction</u>			
Study the notes, calculate the example problems then do the exercises numbers as indicated			
Chapter	Page		Topics
			Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	6		
	Sequence in general Example 1.1 to 1.14		
Exercise	Q143	to	Q150 of Assignment Number (11)

Folder		BAE 402 Calculus	
File		Calculus 4C 1. pdf	
<u>Instruction</u> Study the notes, calculate the example problems then do the exercises numbers as indicated			
Chapter	Page	Topics	
		Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary	
	6		Sum function of Fourier series
	62		Fourier series and uniform convergence Example 2.1 to 2.10
Exercise Q151 to Q155 of Assignment Number (11)			

Additional Study

Calculus 3 C (1) , Calculus 3 C (2) , Calculus 3 C (3), Calculus 3 C (4) , Calculus 4 b , Calculus 4 C (1)

Calculus 4 C (2) , Calculus 4 C (3)

Part (2) Competency Units

Maths 304 Integration and Differential Equations. (1 pt)

Maths 403 Second Order Ordinary Differential Equations (1 pt)

Maths 303 Engineering Mathematics (1 pt)

Folder		Maths 303 Engineering Mathematics (1 pt)		
File		Maths 303 Engineering Mathematics		
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	12	to	35	Introduction and background
	38	to	48	Integration of rational functions
	49	to	56	Integration of trigonometric functions
	62	to	73	Differential equations
Exercise	Q156	to	Q178	of Assignment Number (12)

Folder		Maths 403 Second Order Differential Equations (1 pt)		
File		Maths 403 Second Order Differential Equations		
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	13	to	16	Power series solutions
	39	to	46	Bessel equations and Bessel functions
	49	to	51	Legendre polynomials
	62	to	73	Differential equations
Exercise	Q179	to	Q185	of Assignment Number (13)

Unit	Topics	Reference	Points
BAE604	Telecommunication System		3

Online Tutoring

Subjects	Points	Competency Units
BAE 604 Telecommunication Engineering	2	EE 525 Data Communication (1 pt) EE 603 Electronics Telecommunication (1 pt)

Part 1 Over all Knowledge of the subject

BAE 604 Telecommunication Engineering

Part 2 Competency units of the subject

EE 525 Data Communication (1 pt)

EE 603 Electronics Telecommunication (1 pt)

Part (1) Overview Knowledge of the subject

Folder		BAE 604 Telecommunication Engineering		
File		H046 Telecom Note 1		
		<u>Instruction</u> Study the notes, calculate the example problems then do the exercises numbers as indicated		
File name	Chapter	Page		Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
Week 1			All	Communication fundamental
Week 2			All	Information & bandwidth
Week 3			All	Amplitude modulation transmission
Week 4			All	Amplitude modulation reception
Week 5			All	Single side banded communication

File		H046 Telecom Note 2		
		Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated		
File name	Chapter	Page		Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
Week 6			All	Frequency modulation –Transmission
Week 7			All	Frequency modulation –Reception
Week 8			All	Communication Techniques
Week 9			All	Communication Receivers
Week 10			All	Pulse Modulation

File		H046 Telecom Note 3		
		Instruction Study the notes, calculate the example problems then do the exercises numbers as indicated		
File name	Chapter	Page		Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
Week 11			All	Code transmission
Week 12			All	ISDN
Week 13			All	Transmission lines
Week 14			All	Wave propagation
Week 15			All	Antenna
Week 16			All	Fibre optics
Exercise	Q989 to Q1026		of Assignment (72A)	

Part (2) Competency Units

EE 525 Data Communication (1 pt)

EE 603 Electronics Telecommunication (1 pt)

Folder EE 525 Data Communication (1 pt)				
File EE 525 Data Communication				
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	2	to	14	Overview of data communication
	15	to	28	Data terminals
	31	to	40	Message and transmission channels
	41	to	60	Asynchronous modems and interfaces
	61	to	75	Synchronous modem and digital transmission
	88	to	101	Protocol and error control
Exercise Q1027 to Q1034 of Assignment Number (72B)				
Folder EE 608 Electronics Telecommunication (1 pt)				
File EE 608 Electronics Telecommunication				
<u>Instruction</u>				
Study the notes, calculate the example problems then do the exercises numbers as indicated				
Chapter	Page			Topics
				Note- PDF File page number and the page number of the scanned document may be different. The student need to check both as necessary
	349	to	354	RF Transmission
	355	to	360	Transmission Lines & Antennas
	309	to	316	Video signals
Exercise Q1035 to Q1043 of Assignment Number (73)				

Unit	Topics	Reference	Points
BAE508	Project Management		3

BAE 508 Industrial Engineering & Industrial Management (1 pt)

Subjects	Points	Competency Units
BAE 508 Industrial Engineering & Industrial Management	1	Mgt 501 Basic Management & Communication Skills (1 pt)

Part 1 Over all Knowledge of the subject

BAE 508 Industrial Engineering & Industrial Management

Part 2 Competency units of the subject

Mgt 501 Communication Skills

Mgt 501 Basic Management (1 pt)

Mgt 501 Management Brifes

Management + Organization

Mgt 502 Operation Management (1 pt)

Mgt 503 Production & Operation Management (1 pt)

Operation Management

[Part 1](#) [Part 2](#) [Part 3](#) [Part 4](#) [Part 5](#) [Part 6](#)

[Part 7](#) [Part 8](#) [Part 9](#) [Part 10](#) [Part 11](#) [Part 12](#)

[Part 13](#) [Part 14](#) [Part 15](#) [Part 16](#) [Part 17](#) [Part 18](#)

Mgt 504 Project Management (1 pt)

Mgt 505 Quality Management and Manufacturing Engineering (1 pt)

Mgt 505 Quality Management

Mgt 506 Strategic Financial Managenet (1 pt)

Unit	Topics	Reference	Points
ICT 305	Professional Programming (1) C #		3
ICT 403	Professional Programming (2) Object Oriented		3
ICT 404	Professional Programming (3) Java		3

ICT 305 C #

(222)object-oriented-programming-using-c-sharp_pdf

http://www.filefactory.com/file/5gkn3yfop60p/n/object-oriented-programming-using-c-sharp_pdf

ICT403 Object Oriented

ICT 403 Object Oriented Programming (1 pt)

(R169)object-oriented-programming-using-java_pdf

http://www.filefactory.com/file/191u5fn95111/n/object-oriented-programming-using-java_pdf

ICT404 JAVA

(R164A)an-introduction-of-java-programming_pdf

http://www.filefactory.com/file/3hfsj29ttyp/n/an-introduction-of-java-programming_pdf

(234)an-introduction-to-java-programming-3_pdf

http://www.filefactory.com/file/734tf3rzwlv/n/an-introduction-to-java-programming-3_pdf

(241)an-introduction-to-java-programming-2_pdf

http://www.filefactory.com/file/7bbwr64e25ox/n/an-introduction-to-java-programming-2_pdf

OTHER PROGRAMMING

(R164B)an-introduction-to-relational-database-theory_pdf

http://www.filefactory.com/file/43iyher6hcd1/n/an-introduction-to-relational-database-theory_pdf

(R184)visual-event-computing_pdf

http://www.filefactory.com/file/2i96uvrvapst/n/visual-event-computing_pdf

(R183)introduction-to-programming-in-visual-basic-6-0_pdf

http://www.filefactory.com/file/2e4r2noib70t/n/introduction-to-programming-in-visual-basic-6-0_pdf

(211)visio-2007_pdf

http://www.filefactory.com/file/4shpdcmg6td/n/visio-2007_pdf

(223)applications-of-prolog_pdf

http://www.filefactory.com/file/5gyI91n82d1n/n/applications-of-prolog_pdf

(225)c-programming-in-linux_pdf

http://www.filefactory.com/file/5sxxkpeyhj16j/n/c-programming-in-linux_pdf

(233)prolog-techniques-applications-of-prolog_pdf

http://www.filefactory.com/file/70wmr99i2pwx/n/prolog-techniques-applications-of-prolog_pdf

(246)perl-for-beginners_pdf

http://www.filefactory.com/file/7g5jt5snocy9/n/perl-for-beginners_pdf

Unit	Topics	Reference	Points
ICT 405	Professional Practice (1) Network		3
ICT 406	Professional Practice (2) Website		3
ICT 407	Artificial Intelligence		3

ICT405 NETWORK

UEENEED016B	Develop network services
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D016 Study Guide

D016StudyGuide.zip

D016TheoryNotes_2.4.30-Network_infrastructure_.zip

D016TheoryNotes_2.4.31Directory_services_Part_1_.zip

D016TheoryNotes_2.4.31DirectoryServicesPart2_.zip

ADDITIONAL NOTES

D016TheoryNotesPart1.zip

D016TheoryNotesPart2.zip

[Stage 3 Part 1B.zip](#)

http://www.filefactory.com/file/c0ccc42/n/Stage_3_Part_1B.zip

ICT406 WEBSITE

D018

(Download from [www.electricaldiploma2013.zoomshare.com/Additional For 17908+17794 Folder](http://www.electricaldiploma2013.zoomshare.com/Additional%20For%2017908%2017794))

UEENEED018B	Design and implement Internetworking systems
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Computer networking (D018)

Computer_and_Networks.zip

[Stage 4 Part 13.zip](#)

http://www.filefactory.com/file/c0cc6c1/n/Stage_4_Part_13.zip

Embedded system, Embedded C, Embedded design, Object Oriented Programming, Object Oriented Design, Data Acquisition

Computer_and_Network_2.zip Computer_and_Networks_3.zip

UEENEED010B		Set up and create content for a web server
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(Download from [www.electricaldiploma2013.zoomshare.com/Additional For 17908+17794 Folder](http://www.electricaldiploma2013.zoomshare.com/Additional%20For%2017908+17794%20Folder))

D10 Web Design Notes

Lesson_1_Setting_up_adding_the_contents.zip

Lesson_2_CSS.zip

Lesson_3_Multimedia.zip

Lesson_4_Animation2-3DGraphics.zip

Lesson_5_More_detailed_design.zip

Lesson_6_Multiple_Pages_Set_up_Site_Upload.zip

Lesson_7_Frame_Layer.zip

Lesson_8_Flash_Firework-Graphics_Movie.zip

D10NoteDataBase.zip

D010Web_ServerScripting_Programming.zip

RESOURCES

Photos.zip

Audio.zip

Digital_Images_Collection.zip

Dreamweaver_notes.zip

Example_Web_Pages.zip

HTML_Manual.zip

UEENEED021B		Design and implement Internetworking systems multi-layer switching
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D021.zip

UEENEED022B	Design and implement Internetworking systems security
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D022.zip

ICT407 ARTUIFICIAL INTELLIGENCE

R188)artificial-intelligence-agent-behaviour-i_pdf

http://www.filefactory.com/file/2wtc8mmdymel/n/artificial-intelligence-agent-behaviour-i_pdf

(203)artificial-intelligence-agents-and-environments_pdf

http://www.filefactory.com/file/46sfcigim6y7/n/artificial-intelligence-agents-and-environments_pdf

(219)artificial-intelligence-exercises-i_pdf

http://www.filefactory.com/file/5ds2reslkka3/n/artificial-intelligence-exercises-i_pdf

(254)artificial-intelligence-exercises-ii_pdf

http://www.filefactory.com/file/qdakumctpat/n/artificial-intelligence-exercises-ii_pdf

(256)how-to-do-the-final-year-projects_pdf

http://www.filefactory.com/file/ydtey45bnu9/n/how-to-do-the-final-year-projects_pdf

(257)project-2010-advanced_pdf

http://www.filefactory.com/file/3sye8n116nv9/n/project-2010-advanced_pdf

Bachelor of Applied Science

(Computer Science & Computer Technology)

Stage I

- Information Technology Fundamentals
- Computer Applications and Operations
- Applied Programming
- Program Project

Students who have passed these subjects will be issued with an ACP certificate in Information Technology and Programs.

- Systems Analysis and Programs
- Software Engineering
- Business Information Systems

and one of the following electives

- Accounting
- Organisational Behaviour

Stage II

- Information Systems Principles and Networking
- Information Systems, Analysis and Design
- Advanced Programming
- Project Work

Students who have passed the above subjects will be issued with an ACP Advanced Diploma in Computer Science.

Year IV (ICT 305+403+404+405+406+407) ASSESSMENT

Two reports one for Programming for (ICT305+403+404) & another for Networking+ Artificial Intelligence for (ICT 405+406+407) subjects are required to be presented.

Each should contain 4000 to 6000 words of how you pursue the study in Programming & Networking should be described.

The project should contain sample programming, networking task, job procedures etc of the topics of your choices.

Bachelor of Science in Computing

Stage III

- Professional Issues, Computing and Society
- Applied Computing (External Placement)I
- Major Thesis Project

A 10,000 – 12,000 word research project in a Computer Science or Information Technology discipline

area. In this project the candidate will need to demonstrate they can apply the knowledge learnt in Stages I and II.