بسم الله الرحمن الرحيم

The Republic of The Sudan
University of Khartoum
Academic Affairs Secretariat
Transcript

KT 0065080

Faculty of Mathematical Sciences and Informatics

N.I:11410759635 301216-14

This is to certify that, **MOWAID MOHAMED OSMAN ABDALLA**, **Sudanese National**, had been a student in the **Faculty of Mathematical Sciences and Informatics, University of Khartoum**, during the period **2014-2020**. After attending the prescribed final examinations, he was awarded the degree of **B.Sc. (Honours), Single Subject in Computer Science, SECOND CLASS - DIVISION ONE, on 30th DECEMBER, 2021** Following is a list of subjects he covered together with the standards he attained:

FIRST YEAR 2014-2015:		hrs.	grd..
S101	Elements of Arithmetic	3	F(PS)
S102	Introduction of Probability & Statistics	3	F(PS)
P101	Foundations of Mathematics	4	C
P102	Algebra & Geometry	5	F(PS)
A101	Calculus I	4	C
A102	Calculus II	4	C
A103	Vectors & Mechanics	3	B
C101	Computer Science Fundamentals I	3	A
C103	Computer Science Fundamentals II	4	B+
	Islamic Studies	3	F(PS)
	Arabic Language	3	B
	Sudanese Studies	3	B
	English Language	4	A
SECOND YEAR 2015-2016:			
S201	Probability and Statistics	3	C
S202	Elementary Statistics	3	C
S203	Multivariable Functions	3	C
P201	Linear Algebra	4	B
P202	Real Analysis I	4	F(PS)
A201	Ordinary Differential Equations I	3	B
A202	Ordinary Differential Equations II	3	F(PS)
A203	Vector Analysis	4	F(PS)
C201	Discrete Mathematics	3	B
C202	Numerical Computation I	3	F(PS)
C203	Algorithms & Data Structure	3	B+
	Islamic Studies	3	A
	Arabic Language	3	B+
	English Language	2	A+

THIRD YEAR 2016-2017:		hrs.	grd..
S301	Least Squares	3	B+
S302	Practical Statistics	3	A
S303	Statistical Methods	3	B
P301	Real Analysis II	3	B+
P302	Algebraic Structures	3	B
P303	Combinatory	3	B+
A301	Complex Variables I	3	B+
A302	Complex Variables II	3	B+
A303	Special Functions & Math. Methods	3	B
C301	Programming Methodologies	3	A
C303	Systems Analysis and Design	3	A
C304	Files Management Systems	2	A
FOURTH YEAR 2018-2019:			
C402	Computer Commercial Applications	4	B+
C404	Assembly Language	4	C
C405	Operating Systems	4	B+
C406	Database	4	A+
C407	Compiler Design	3	B+
C408	Computer Architecture	4	B+
C415	Computer Networks	4	A+
C416	Artificial Intelligence	4	A+
C420	Software Engineering	4	B
C426	Simulation and Modeling	4	A
FIFTH YEAR 2019-2020:			
C409	Concept of Programming Languages	4	A
C411	Advanced Database Systems	4	B+
C413	Management of Information Systems	4	A
C418	Computer Aided Design	4	A
C423	Analysis and Design of Algorithms	4	B
C425	Parallel Processing Systems	4	A
C430	Distributed Systems	4	B+
C433	Human & Computer Interaction	4	A
C436	Research Methodology	4	A+
C437	Information Security	4	A
	Project	4	A+

C. G. P. A : 3.04

Our Grading System is as Follow :			
Range	Degree	Average:	Class
80-100	A^+	3.40-4.00	First Class
70-79	A	2.90-3.39	Second Class-Division One
60-69	B^+	2.40-2.89	Second Class-Division Two
50-59	B	2.00-2.39	Third Class
40-49	C		
0-39	F	{ F(PS) ≡ Passed After Supplementary}	

MONA MAHGOUB OMER
REGISTRAR
Date: 10 / 10 /2022

DR. MOHSIN HASSAN ABDALLA
DEAN

Prof. ALI A. RABAH
ACADEMIC AFFAIRS SECRETARY

❖ **Notice:- The academic year 2017/2018 has been frozen for all faculty students.**