



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ  
جمهورية السودان  
Republic of Sudan  
جامعة وادي النيل  
Nile Valley University



0076083

11 135508 Faculty of Engineering and Technology

**Certificate**

**This is to certify that the Senate has awarded**

DAHI FAISAL ELSHEEKH ALAWAD (Sudanese)

**Degree :** B.Sc. Honours in Engineering (FULL TIME)

**Specialization :** Manufacturing Engineering

**Grade :** Third Class

**Date of Award :** 25<sup>th</sup> of September 2017

Elhassan Elawad Mohammed  
Registrar

Dr. Ibrahim Mohammed Ali Mohammed  
Faculty Dean

Dr. Hassan Elhamed H. Alsayim  
Academic Secretary



Date of issue : 26/11/2017

any alteration or deletion renders this certificate invalid





11 135508

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Nile Valley University

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0074905

**TRANSCRIPT**

This is to certify that: **DAHI FAISAL ELSHEEKH ALAWAD** (Sudanese) has completed the prescribed course in **Manufacturing Engineering** of five years duration (**FULL TIME**), and he has been awarded the **B.Sc. (Honours)** degree with **Third Class** on the 25<sup>th</sup> of September 2017. The details are as follows:

**First Year:****First Semester:**

SUBJECT	Credit Hours	Grade
1. Arabic Language 1	2	B+
2. English Language 1	2	D
3. Islamic Culture 1	2	C+
4. Mathematics 1 (Calculus)	3	D
5. Mathematics 2 (Linear Algebra)	3	D+
6. Physics 1	4	C+
7. Chemistry 1	4	C
8. Engineering Drawing 1	3	C+

**Second Semester:**

SUBJECT	Credit Hours	Grade
1. Arabic Language 2	3	D
2. Mathematics 3 (Analytical Geometry)	3	D*
3. Mathematics 4 (Vectors & Series)	3	D*
4. Physics 2	4	C
5. Chemistry 2	4	B
6. Engineering Drawing 2	3	B
7. Workshop Basics	2	C

**Second Year:****First Semester:**

SUBJECT	Credit Hours	Grade
1. English Language 2	3	D
2. Mathematics 5 (Differential Equations)	3	D+
3. Islamic Culture 2	3	C+
4. Mechanical Engineering Science	3	D
5. Electrical Engineering Science 1	3	D*
6. Fundamentals of Materials Science	3	D*
7. Machine Drawing & Design	2	D
8. Computer Programming 1	2	D*

**Second Semester:**

SUBJECT	Credit Hours	Grade
1. Islamic Culture 3	3	D+
2. Arabic Language 3	3	D
3. English Language 3	3	C
4. Computer Programming 2	2	D
5. Mathematics 6 (Applied Mathematics)	3	D*
6. Electrical Engineering Science 2	3	C
7. Applied Mechanics	3	D
8. Materials Science	3	D+
Workshop Training	-	PASS

**Third Year:****First Semester:**

SUBJECT	Credit Hours	Grade
1. Mathematics 7 (Numerical Analysis)	3	D
2. Mechanics of Machines	3	C+
3. Fundamentals of Fluid Mechanics	3	D+
4. Thermodynamics 1	3	D
5. Manufacturing Processes 1	3	D+
6. Fundamentals of Materials Mechanics	3	D
7. Instrumentation & Control	2	D
8. Production Management 1	2	C

**Second Semester:**

SUBJECT	Credit Hours	Grade
1. Mathematics 8 (Statistics & Probabilities)	3	D
2. Engineering Materials	3	D*
3. Thermodynamics 2	3	C
4. Manufacturing Processes 2	3	D
5. Automation & Control	2	D
6. Mechanics of Materials	3	D
7. Production Planning & Control 1	2	D+
8. Tribology	3	D*
Industrial Training	-	PASS



NAME: **DAHI FAISAL ELSHEEKH ALAWAD**

(Sudanese)

11 135508

Fourth Year:

First Semester:

SUBJECT	Credit Hours	Grade
1. Mathematics 9 (Complex Functions)	3	D*
2. Engineering Design 1	3	D
3. Operation Research	3	D*
4. Environment & safety	2	D
5. Software Engineering	2	D
6. Cost Accounting	2	D*
7. Casting Technology	2	C
8. Machine Tools Technology	3	D

Second Semester:

SUBJECT	Credit Hours	Grade
1. Plastics & Ceramics Technology	3	D
2. Numerical Control Technology	3	C
3. Metal Mechanical Deformation Technology	3	D*
4. Assembly Technology	2	D+
5. Production Planning & Control 2	3	C+
6. Maintenance Management	2	C
7. Engineering Design 2	3	C
8. Production Management 2	3	D*
Industrial Training	-	PASS

Fifth Year:

First Semester:

SUBJECT	Credit Hours	Grade
1. Machine Tools Design	3	B
2. Quality & Reliability Techniques	3	C+
3. Joining Technology	2	B
4. Manufacturing Systems	3	A+
5. Engineering Economics	2	B
6. CAD/CAM 1	2	B

Second Semester:

SUBJECT	Credit Hours	Grade
1. Design for Production	3	D+
2. CAD/CAM 2	2	C
3. Manuf. Modeling & Simulation Systems	2	D
4. Statistical Quality Control	3	D+
5. Project	6	B

Grade Points Average: **2.42**

Grading System:

Grade	A+	A	B+	B	C+	C	D+	D	F
Points	4.00	3.75	3.50	3.00	2.75	2.50	2.25	2.00	0.00
Marks	100-90	89-80	79-75	74-70	69-65	64-60	59-55	54-50	49-00

Awarding System:

Class of Award	First Class	Second Class (Division One)	Second Class (Division Two)	Third Class
G.P.A	3.50 to 4.00	3.00 to 3.49	2.50 to 2.99	2.00 to 2.49

N. B.

\*Supplementary

**Elhassan Elawad Mohammed**  
**Registrar**

**Dr. Ibrahim Mohammed Ali Mohammed**  
**Dean**

**Dr. Hassan Elhaj Hamed H. Alsayim**  
**Academic Secretary**

Date of issue: 05/11/2017

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