



Certificate Number

7607

KARATINA UNIVERSITY

This is to certify that

Kalasia Dickson

*having satisfied all the requirements for the award
of the degree of*

**BACHELOR OF SCIENCE
(PHYSICS OPTION)**

Second Class Honours (Upper Division)

*was admitted to the degree at a congregation
held at this University*

*on the 1st Day of November
in the Year 2019*

Vice Chancellor



Registrar
(Academic Affairs)

Deputy Vice Chancellor
(Academic Affairs)

3847



Inspiring Innovation and Leadership

KARATINA UNIVERSITY

P.O. Box 1957-10101 Karatina, Kenya

Tel: 0729 721 200/020 21 76 713

OFFICE OF THE REGISTRAR

(Academic, Research and Student Affairs)

ACADEMIC TRANSCRIPTName: **KALASIA, DICKSON**REG. NO.: **P103/1555G/15**Programme: **Bachelor of Science**School: **School of Pure & Applied Sciences**Academic Year: **2018/2019**

Semester I & II

Year of Study: **4**

Course Code	Course Title	Unit(s)	Marks	Grade
END 400	Development project Appraisal	3	71	A
MAT 418	Partial Differential Equations I	3	57	C
PHY 410	Quantum Mechanics II	3	63	B
PHY 411	Thermal Physics	3	67	B
PHY 412	Digital Electronics	3	71	A
PHY 413	Mathematical Physics II	3	60	B
PHY 414	Electronic Properties of Solids	3	72	A
PHY 416	Methods of Theoretical Physics	3	67	B
PHY 417	Atomic and Nuclear Physics	3	66	B
PHY 418	Renewable Source of Energy	3	76	A
PHY 419	Research Project	6	71	A
PHY 444	Introduction to Lasers	3	73	A
PHY 446	Electronic Circuits and Microprocessors	3	76	A

Total Number of Courses Taken

[13]

Total Number of Units Taken

[42]

REMARKS: **CONFERRED DEGREE IN BACHELOR OF SCIENCE, 2ND CLASS HONOURS (UPPER DIVISION)****KEY**

- A (70 - 100) - Excellent
- B (60 - 69) - Good
- C (50 - 59) - Average
- D (40 - 49) - Pass
- E (0 - 39) - Fail

Explanation of Courses

100-600 Undergraduate

700-900 Post-graduate



[Signature]
Registrar (ARSA)

* This Transcript is issued without any erasures or alterations

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OFFICE OF THE REGISTRAR

(Academic, Research and Student Affairs)

ACADEMIC TRANSCRIPT

REG. NO.: P103/1555G/15

Name: KALASIA, DICKSON
 Programme: Bachelor of Science
 School: School of Pure & Applied Sciences
 Academic Year: 2017/2018 Semester I & II

Year of Study: 3

Course Code	Course Title	Unit(s)	Marks	Grade
BEN 300	Entrepreneurship Skills	3	74	A
MAT 314	Ordinary Differential Equations I	3	50	C
MAT 317	Numerical Analysis I	3	50	C
MAT 318	Fluid Mechanics I	3	72	A
PHY 310	Mathematical Physics I	3	51	C
PHY 311	Classical Mechanics	3	61	B
PHY 312	Optics	3	53	C
PHY 313	Electronics II	3	63	B
MAT 312	Complex Analysis I	3	45	D
MAT 316	Methods I	3	47	D
MAT 320	Analytical Mechanics	3	70	A
PHY 314	Introduction to Quantum Mechanics	3	63	B
PHY 315	Electromagnetism I	3	67	B
PHY 316	Introduction to Material Science	3	63	B
PHY 317	Introduction to Classical Mechanics	3	56	C
PHY 350	Industrial Attachment	3	70	A
PHY 410	Quantum Mechanics II	3	72	A

[17]

Total Number of Courses Taken

[51]

Total Number of Units Taken

REMARKS: PASS, PROCEED TO FOURTH YEAR OF STUDY

KEY

- A (70 - 100) - Excellent
- B (60 - 69) - Good
- C (50 - 59) - Average
- D (40 - 49) - Pass
- E (0 - 39) - Fail

Explanation of Courses

- 100-600 Undergraduate
- 700-900 Post-graduate



Date

[Signature]
 Registrar (ARSA)

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OFFICE OF THE REGISTRAR

(Academic, Research and Student Affairs)

ACADEMIC TRANSCRIPT

REG. NO.: P103/1555G/15

Name: KALASIA, DICKSON
 Programme: Bachelor of Science
 School: School of Pure & Applied Sciences
 Academic Year: 2016/2017 Semester I & II

Year of Study: 2

Course Code	Course Title	Unit(s)	Marks	Grade
CHE 210	Atomic Structure and Bonding	3	69	B
CHE 211	Basic Analytic and Chemistry	3	49	D
END 200	State Society and Development	3	59	C
MAT 210	Calculus II	3	58	C
MAT 212	Linear Algebra I	3	40	D
MAT 214	Vector Analysis	3	53	C
PHY 210	Electricity and Magnetism	3	54	C
PHY 211	Vibration and Waves	3	41	D
CHE 212	Basic Organic Chemistry	3	54	C
CHE 213	Introduction to Kinetics and Thermodynamics	3	59	C
COM 223	Object Oriented Programming I	3	46	D
MAT 211	Calculus and Analytical Geometry	3	45	D
MAT 213	Linear Algebra II	3	40	D
PHY 212	Modern Physics	3	66	B
PHY 213	Electronics I	3	61	B

Total Number of Courses Taken

[15]

Total Number of Units Taken

[45]

REMARKS: PASS, PROCEED TO THIRD YEAR OF STUDY

KEY

- A (70 - 100) - Excellent
- B (60 - 69) - Good
- C (50 - 59) - Average
- D (40 - 49) - Pass
- E (0 - 39) - Fail

Explanation of Courses

100-600 Undergraduate

700-900 Post-graduate



[Signature]
 Registrar (ARSA)

* This Transcript is issued without any erasures or alterations

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Inspiring Innovation and Leadership

KARATINA UNIVERSITY

P.O. Box 1957-10101 Karatina, Kenya

Tel: 0729 721 200/020 21 76 713

OFFICE OF THE REGISTRAR*(Academic, Research and Student Affairs)***ACADEMIC TRANSCRIPT**

Name: KALASIA, DICKSON

REG. NO.: P103/1555G/15

Programme: Bachelor of Science

School: School of Pure & Applied Sciences

Academic Year: 2015/2016

Semester I & II

Year of Study: 1

Course Code	Course Title	Unit(s)	Marks	Grade
BOT 110	Basic Botany I	3	58	C
CHE 110	Basic Chemistry I	3	58	C
COM 100	Introduction to Computer Science	3	52	C
COS 100	Communications Skills I	3	62	B
END 100	Development concepts and Application	3	62	B
MAT 110	Basic Calculus	3	61	B
PHY 110	Basic Physics I	3	62	B
ZOO 110	Basic Zoology I	3	52	C
BEN 102	Quantitative Skills II	3	68	B
BOT 111	Basic Botany II	3	72	A
CHE 111	Basic Chemistry II	3	72	A
COS 102	Communications Skills II	3	57	C
MAT 111	Geometry and Elementary Applied Mathematics	3	56	C
PHY 111	Basic Physics II	3	60	B
ZOO 111	Basic Zoology II	3	66	B

Total Number of Courses Taken

[15]

Total Number of Units Taken

[42]

REMARKS: PASS, PROCEED TO SECOND YEAR OF STUDY**KEY**

A (70 - 100) - Excellent

B (60 - 69) - Good

C (50 - 59) - Average

D (40 - 49) - Pass

E (0 - 39) - Fail

Explanation of Courses

100-600 Undergraduate

700-900 Post-graduate



[Signature]
Registrar (ARSA)

** This Transcript is issued without any erasures or alterations*

The Kenya National Examinations Council



KENYA CERTIFICATE OF SECONDARY EDUCATION

This is to certify that the candidate named below sat for the Kenya Certificate of Secondary Education examination in the subjects shown and attained the grades indicated.



24505106/005



NAME: KALASIA DICKSON
KAMITO BOYS' SECONDARY SCHOOL

M1 24505106/005

SUBJECT

- 101 ENGLISH
- 102 KISWAHILI
- 121 MATHEMATICS
- 232 PHYSICS
- 233 CHEMISTRY
- 311 HISTORY AND GOVERNMENT
- 313 CHRISTIAN RELIGIOUS EDUCATION
- 565 BUSINESS STUDIES

GRADE

- B (PLAIN)
- C+ (PLUS)
- C+ (PLUS)
- B (PLAIN)
- C+ (PLUS)
- B+ (PLUS)
- B (PLAIN)
- B (PLAIN)



SUBJECTS NAMED EIGHT MEAN GRADE B- (MINUS)
EXAMINATION OF YEAR 2014
PRINTED : 150923:13162267

Chief Executive Officer
Kenya National Examinations Council



Chairman
Kenya National Examinations Council

This is a secure document using special paper and inks.
Please hold it up to the light to verify that the word
BARAZA LA MITIHANI and the "ORIGINAL"
embedded thread can be seen through the paper.
Not valid without a hologram.

KCSE /14 1177302



(See overleaf for conditions of issue)

The Kenya National Examinations Council



KENYA CERTIFICATE OF PRIMARY EDUCATION

KCPE

This is to certify that the candidate named below sat for the **Kenya Certificate of Primary Education** examination and qualified for the award of this certificate. The candidate attained the subject grades shown below.

NAME: KALASIA DICKSON
SCHOOL: MAKUTANO

505105/007
505105

ENGLISH LANGUAGE
KISWAHILI
MATHEMATICS
SCIENCE
SOCIAL STUDIES AND RELIGIOUS EDUCATION

GRADE

C (PLAIN)
B (PLAIN)
B+ (PLUS)
B (PLAIN)
B- (MINUS)

EXAMINATION OF 2010
PRINTED : 110815 : 11490645



Secretary
Kenya National Examinations Council

Chairman
Kenya National Examinations Council

This certificate was issued without any alteration whatsoever. See overleaf for grades and mark intervals.

KCPE / 10 0345824



00405990



ED/B 100 (Rev.)

REPUBLIC OF KENYA

MINISTRY OF EDUCATION

KENYA SECONDARY SCHOOL LEAVING
CERTIFICATE

KAMITO BOYS' SECONDARY SCHOOL

P.O BOX 410, KAPENGURIA.

Admission/Serial No. 764

THIS IS TO CERTIFY THAT KALASIA DICKSON
entered this school on 01 - 03 - 2011 and was enrolled in
Form ONE, and left on 06 - 11 - 2014 from
Form FOUR, having satisfactorily completed the approved
course for Form FOUR

Date of Birth (in Admission Register) 03 - 03 - 1993

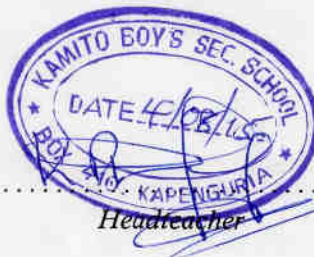
Headteacher's report on the pupil's ability, industry and conduct. Dickson is...

Above Average Academically. He was a good Footballer who reached
the County Level. Dickson was a member of Kenya Wildlife Service (KWS).
He is confident and a performer Student.

Pupil's signature

Date of Issue 4/08/2015

Signature





**Kenya Bureau of
Standards**
Standards for quality life

KEBS Head Office

P.O. Box 54974, Nairobi 00200
Tel.: +254 (0) 20 694 8000
Mobile: 0722 202137/8,
0734 600 471/2
Fax: +254 (0) 20 694 8575
E-Mail: info@kebs.org
Web: http://www.kebs.org

KEBS Coast Region

P.O. Box 99376, Mombasa 80100
Tel: +254 (0) 41 2317050, 2230939/38/40
Fax: +254 (0) 41 229 448
E-mail: kebs-msa@kebs.org

KEBS Lake Region

P.O. Box 2949, Kisumu 40100
Tel: +254 (0) 57 202 8396, 202 9549
Fax: +254 (0) 57 202 7814
E-mail: kebs-kisumu@kebs.org

KEBS South Rift Region

P.O. Box 2138, Nakuru 20100
Tel: +254 (0) 51 221 0553/5, 221 1208
Fax: +254 (0) 51 221 0076
E-Mail: kebs-nakuru@kebs.org

KEBS North Rift Region

P.O. Box 8111, Eldoret 30100
Tel: +254 (0) 53 2033151
Fax: +254 (0) 53 2033150
E-Mail: kebs-eldoret@kebs.org

KEBS Mt. Kenya Region

P.O. Box 1790, Nyeri 10100
Tel: +254 (0) 61 203 1410/1
Fax: +254 (0) 61 203 2038
E-Mail: kebs-nyeri@kebs.org

KEBS North Eastern Region

P.O. Box 978, Garissa 70100
Tel: +254 (0) 46 2519
Fax: +254 (0) 46 3455
E-Mail: kebs-garissa@kebs.org

Our Ref: KEBS/HR/18/2

Date: 2018-09-11

To Whom It May Concern

Dear Sir/Madam,

RE: ATTACHMENT REPORT – DICKENS KALASIA

This is to confirm that the above named was attached to our **Metrology Department** from 2nd July to 31st August, 2018.

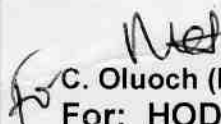
During this period, he participated in the following:

- a) Calibration of:
 - i) Dimensional measuring instruments and insulation testing, high voltage equipments, transformers, water meters and tanks
 - ii) Weighing instruments, pressure and temperature gauges, thermometers, Lux meters, AC/DC equipments, Oscilloscopes and stop watches, torque meters, refractometers, Dosimeters and survey meters, Acoustical instruments and sound meters.
- b) Analysis of calibration results, including calculation of measurements uncertainties
- c) Repair and service of laboratory equipments
- d) Preparation of calibration reports and certificates
- e) General laboratory housekeeping.

Throughout the attachment period, **Mr. Kalasia** was hardworking, cooperative and always ready to learn.

Any assistance accorded to him will be highly appreciated.

Yours faithfully,


C. Oluoch (Mrs)
For: HOD, HUMAN RESOURCE