



# UNIVERSITY FOR DEVELOPMENT STUDIES

## Academic Affairs Section

P.O. Box TL 1350 Tamale, Ghana Tel: 03720-93382/26633/26634

Web: [www.uds.edu.gh](http://www.uds.edu.gh) Email: [academicaffairs@uds.edu.gh](mailto:academicaffairs@uds.edu.gh)

## TRANSCRIPT OF ACADEMIC RECORD

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Name : TENGEY, PAUL Index Number : FAS/4524/12  
Degree Awarded : BSC ( APPLIED PHYSICS ) Date of Birth : February 3, 1991  
Major : ( APPLIED PHYSICS ) Sex : MALE  
Final CGPA : 3.97 Date of Award: July 31, 2016  
Class: SECOND CLASS HONOURS (UPPER DIVISION) Date Printed : March 16, 2017

### FIRST YEAR

#### FIRST TRIMESTER EXAMINATION

COURSE CODE	COURSE TITLE	CREDIT	GRADE
BIO 101	INTRODUCTION TO BIOLOGY	3	A+
CHM 121	INTRODUCTORY CHEMISTRY I	3	B+
CSC 101	INTRODUCTION TO COMPUTERS	2	C+
ETS 101	INTRODUCTION TO EARTH SCIENCE	3	C
GEN 101	ENGLISH LANGUAGE	2	C
MTH 101	INTRODUCTORY MATHEMATICS I	3	A
PHY 101	INTRODUCTORY PHYSICS I	3	B+
CC:19	GPA :3.74 CGPA :3.74		

#### SECOND TRIMESTER EXAMINATION

COURSE CODE	COURSE TITLE	CREDIT	GRADE
BIO 102	INTRODUCTORY BIOLOGY II	3	B
CHM 102	INTRODUCTORY ORGANIC CHEMISTRY	3	D+
CHM 162	PRACTICAL CHEMISTRY I	2	F*
CHM 162	PRACTICAL CHEMISTRY I	2	C**
ENV 102	INTRODUCTION TO ENVIRONMENTAL SCIENCE	2	B+
ETS 102	INTRODUCTION TO EARTH SCIENCE II	3	C+
GEN 102	AFRICAN/GENERAL STUDIES	2	A
MTH 102	INTRODUCTORY MATHEMATICS II	2	C+
PHY 102	INTRODUCTORY PHYSICS II	3	B+
STS 102	STATISTICS AND BASIC DISTRIBUTIONS	3	B
CC:42	GPA :3.38 CGPA :3.51		

#### THIRD TRIMESTER EXAMINATION

COURSE CODE	COURSE TITLE	CREDIT	GRADE
FPT 193	THIRD TRIMESTER FIELD PRACTICAL TRAINING	6	A
CC:48	GPA :3.60 CGPA :3.52		

### SECOND YEAR

#### FIRST TRIMESTER EXAMINATION

COURSE CODE	COURSE TITLE	CREDIT	GRADE
CSC 201	COMPUTERS AND BASIC LANGUAGE	3	B
MTH 203	INTRODUCTORY APPLIED MATHEMATICS	2	B+
MTH 211	REAL ANALYSIS I	2	C+
PHY 201	THERMAL PHYSICS	3	C+
PHY 203	ATOMIC AND NUCLEAR PHYSICS	3	A
PHY 205	APPROPRIATE TECHNOLOGY	2	C
PHY 207	ELECTRICITY AND MAGNETISM	2	A
PHY 291	EXPERIMENTAL PHYSICS I	1	A



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CC:66 GPA :3.64 CGPA :3.55

### SECOND TRIMESTER EXAMINATION

COURSE CODE	COURSE TITLE	CREDIT	GRADE
CSC 202	COMPUTATIONAL MATHEMATICS WITH MATLAB	3	B
MTH 212	REAL ANALYSIS II	3	D
PHY 202	ELECTRONICS I	2	B+
PHY 204	WAVES AND VIBRATIONS	2	B
PHY 206	RENEWABLE ENERGY RESOURCES	2	B+
PHY 208	NEWTONIAN MECHANICS	2	B+
PHY 292	EXPERIMENTAL PHYSICS II	1	A+
STS 204	SCIENTIFIC DATA COLLECTION AND ANALYSIS	3	C+
CC:86	GPA :3.25	CGPA :3.57	

### THIRD TRIMESTER EXAMINATION

COURSE CODE	COURSE TITLE	CREDIT	GRADE
FPT 293	THIRD TRIMESTER FIELD PRACTICAL TRAINING	6	A
CC:92	GPA :4.50	CGPA :3.63	

### THIRD YEAR

#### FIRST TRIMESTER EXAMINATION

COURSE CODE	COURSE TITLE	CREDIT	GRADE
PHY 301	MATHEMATICAL PHYSICS I	3	C
PHY 303	CLASSICAL MECHANICS	3	A
PHY 305	ELECTRONICS II	2	A
PHY 307	APPLIED OPTICS I	2	A+
PHY 309	MATERIAL SCIENCE I	2	A
PHY 313	BIOPHYSICS I	2	A+
PHY 317	RADIOLOGIC PHYSICS	2	B+
PHY 391	ADVANCED PHYSICS LABORATORY I	1	C+
STS 361	DESIGN OF EXPERIMENTS I	3	C+
CC:112	GPA :3.95	CGPA :3.69	

#### SECOND TRIMESTER EXAMINATION

COURSE CODE	COURSE TITLE	CREDIT	GRADE
PHY 302	SOLID STATE PHYSICS I	3	A+
PHY 304	SPECTROSCOPY	2	A+
PHY 306	MATHEMATICAL PHYSICS II	3	C
PHY 308	APPLIED OPTICS	2	B+
PHY 310	SPECIAL THEORY OF RELATIVITY	3	A+
PHY 312	MATERIAL SCIENCE II	2	B+
PHY 318	MEDICAL PHYSICS I	2	A+
PHY 392	ADVANCED PHYSICS LABORATORY II	1	B
CC:130	GPA :4.28	CGPA :3.81	

#### THIRD TRIMESTER EXAMINATION

COURSE CODE	COURSE TITLE	CREDIT	GRADE
PHY 393	THIRD TRIMESTER INDUSTRIAL TRAINING	6	A
CC:136	GPA :4.50	CGPA :3.85	



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### FOURTH YEAR

#### FIRST TRIMESTER EXAMINATION

COURSE CODE	COURSE TITLE	CREDIT	GRADE
PHY 401	QUANTUM MECHANICS I	3	A
PHY 403	SOLID STATE PHYSICS II	3	A+
PHY 405	COMPUTATIONAL PHYSICS	3	A
PHY 407	ELECTROMAGNETIC FIELD THEORY I	3	A+
PHY 411	TELECOMMUNICATIONS	3	A
PHY 415	MEDICAL PHYSICS II	3	A+
CC:154	GPA :4.75	CGPA :3.96	

#### SECOND TRIMESTER EXAMINATION

COURSE CODE	COURSE TITLE	CREDIT	GRADE
PHY 402	QUANTUM MECHANICS II	3	B+
PHY 404	STATISTICAL MECHANICS	3	A
PHY 408	ELECTROMAGNETIC FIELD THEORY II	3	A+
PHY 414	X-RAY CRYSTALLOGRAPHY AND STRUCTURAL ANALYSIS	3	B+
PHY 493	PROJECT	6	A

#### THIRD TRIMESTER EXAMINATION

COURSE CODE	COURSE TITLE	CREDIT	GRADE
PHY 492	PROJECT DISSERTATION	6	A
CC:178	GPA :4.42	CGPA :3.97	

Final CGPA : 3.97

Class : SECOND CLASS HONOURS (UPPER DIVISION)

  
YIDANA ZAKARIA  
for: Registrar

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\* F A S / 4 5 2 4 / 1 2 \*



## GRADING SYSTEM

**NB:** The Cumulative Weighted Average (CWA) grading system was used by the University until the **2007/2008** academic year. Since then, the Cumulative Grade Point Average (CGPA) grading system is being used. All transcripts with the CWA grading system are still valid.

CWA				CGPA			
<b>CLASS DESIGNATION</b>				<b>CLASS DESIGNATION</b>			
<b>Bachelor's Degree</b>				<b>Bachelor's Degree</b>			
70% & Above	-	1 <sup>st</sup> Class Honours		4.50 & Above	-	1 <sup>st</sup> Class Honours	
60% - 69%	-	2 <sup>nd</sup> Class Honours (Upper Division)		3.50-4.49	-	2 <sup>nd</sup> Class Honours (Upper Division)	
50% - 59%	-	2 <sup>nd</sup> Class Honours (Lower Division)		2.50- 3.49	-	2 <sup>nd</sup> Class Honours (Lower Division)	
45% - 49%	-	3 <sup>rd</sup> Class Honours		2.00 -2.49	-	3 <sup>rd</sup> Class Honours	
40% - 44%	-	Pass		1.50-1.99	-	Pass	
Below 40%	-	Fail		Below 1.50	-	Fail	
<b>Diploma</b>				<b>Diploma</b>			
70% & Above	-	Distinction		4.50& Above	-	Distinction	
40% - 69%	-	Pass		1.50 - 4.49	-	Pass	
Below 40%	-	Fail		Below 1.50	-	Fail	
<b>GLOSSARY</b>				<b>GLOSSARY</b>			
*	-	Trail		*	-	Trail	
**	-	Retaken		**	-	Retaken	
CC	-	Cumulative Credits		CC	-	Cumulative Credits	
TWA	-	Trimester Weighted Average		GPA	-	Grade Point Average	
CWA	-	Cumulative Weighted Average		CGPA	-	Cumulative Grade Point Average	
<b>PASS GRADES</b>				<b>PASS GRADES</b>			
<b>Grade</b>	<b>Value</b>	<b>Score</b>	<b>Remarks</b>	<b>Grade</b>	<b>Value</b>	<b>Score</b>	<b>Remarks</b>
A+	5	80% & Above	Excellent	A+	5	80% & Above	Excellent
A	4.5	70- 79.99%	Excellent	A	4.5	70- 79.99%	Excellent
B+	4	65- 69.99%	Very Good	B+	4	65- 69.99%	Very Good
B	3.5	60- 64.99%	Very Good	B	3.5	60- 64.99%	Very Good
C+	3	55- 59.99%	Good	C+	3	55- 59.99%	Good
C	2.5	50- 54.99%	Good	C	2.5	50- 54.99%	Good
D+	2	45- 49.99%	Satisfactory	D+	2	45- 49.99%	Satisfactory
D	1.5	40- 44.99%	Satisfactory	D	1.5	40- 44.99%	Satisfactory
<b>FAILURE GRADE</b>				<b>FAILURE GRADE</b>			
F	0	0 - 39.99%	Fail	F	0	0 - 39.99%	Fail

\* The Authenticity of this transcript may be checked from the Academic Affairs Office, University for Development Studies, Central Administration, Tamale.