

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

This is to certify that

Obonyo Ishmael Myunya-

having satisfied the requirements for the award of the degree of

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Second Class Honours (Upper Division)

was admitted to the degree at a congregation held at this University on the Sixth Day of November in the Year of Two Thousand and Nine

E Company

Vice-Chancellor

Deputy Vice-Chancellor

Telephone: (056) 31375 Fax No: (056) 30153 E-Mall: mmust⊕mmust.ac.ke Website: http://www.mmust.ac.ke



P.O. Box 190 KAKAMEGA, 50100 Kenya

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

UNDERGRADUATE ACADEMIC TRANSCRIPT

NAME OF STUDENT:	OBONYO	NYUNYA	ISMAEL	REG. NO. CO	M/0031/05
FACULTY: SCIENCE	SURNAME	OTHER	NAMES		
DEGREE PROGRAMME: B	Sc IN COMPUTE	R SCIENCE			
ACADEMIC YEAR:	2008/2009			YEAR OF STUDY:	FOURTH YEAR

COURSE CODE	DESCRIPTIVE TITLE OF COURSE	UNITS	MARKS	GRADES
COM 410	USER INTERFACE DESIGN	3	82	A
COM 413	OBJECT ORIENTED PROGRAMMING	3	82	A
COM 415	HUMAN FACTORS IN COMPUTER AND INFORMATION SYSTEMS	3	72	A
COM 419	COMPUTER SYSTEM DESIGN	3	73	A
COM 408 E	SOFTWARE METRICS AND MEASUREMENTS	3	68	В
COM 409 E	DISTRIBUTED SYSTEMS	3	63	В
COM 417 E	COMPUTER GRAPHICS	3	70	A
COM 418 E	EXPERT SYSTEMS *	3	76	A
COM 432E	DESIGN TECHNOLOGY FOR WEBSITES	3	63	В
COM 421	ENGINEERING AND SOFTWARE LAW	3	68	В
COM 422	ELECTRICAL CIRCUITS AND MICROPROCESSORS	3	76	A
COM 423	COMPUTER SCIENCE PROJECT II	3	70	A
COM 426	SIMULATION AND MODELLING	3	75	A
COM424 E	NEURAL NETWORKS	3	73	A
COM 425 E	ADVANCED ARTIFICIAL INTERLIGENCE	3	73	A
COM 431 E	HUMAN-COMPUTER INTERFACE DESIGN	3	87	A

TOTAL NUMBER OF COURSES TAKEN	16	SIXTEEN
TOTAL NUMBER OF UNITS	48	FORTY EIGHT

RESULT: PASS

70% and above A (Excellent)
60% – 69% B (Good)
50% - 59% C (Average)
40% - 49% D (Pass)
39% and Below E (Fail)

EXPLANATION OF COURSE CODES 100 - 600 - Undergraduate Courses

OTHER KEYS
*- Passed after Supplementary Examination
E – Elective Course

NOTE: A Semester is a period of 16 weeks
A Unit of study is one hour lecture per week per semester or two
hours of tutorials/seminars per week per semester of three hours of

Registrar (AA)

MASINDE MULIRO UNIVERSITY
OF SCIENCE & TECHNOLOGY
P. O. Box 190 Solido Kakamaga
Registrar (Academic Affairs)

DATE: 4-11-2009

SIGNED:

Telephone: (056) 31375 Fax No: (056) 30153 E-mail:mmust@wust.ac.ke



P.O. Box 190 KAKAMEGA, 50100 Kenya

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

UNDERGRADUATE ACADEMIC TRANSCRIPT

ACADEMIC YEA	R: 2007/2008 YE	AR OF STUDY:	THIR	D
COURSE CODE	DESCRIPTIVE TITLE OF COURSE	UNITS	MARKS	GRADES
COM 310	COMPUTER ARCHITECTURE	3	57	C
COM 312	SOFTWARE ENGINEERING II	3	69	В
COM 315	ALGORITHMS	3	65	В
COM 330	INTERNET HYPER TEXT MARK-UP LANGUAGE	3	65	В
COM 311	COMPUTER SCIENCE PROJECT I	6	62	В
COM 313	ELECTRONICS II	3	54	C
COM 317E	DATA COMMUNICATION & COMPUTER NETWORK	3	73	A
COM 318E	DATABASE SYSTEMS	3	60	В
COM 319E	ARTIFICIAL INTELIGENCE	3	54	C
COM 320	DIGITAL SYSTEM DESIGN	3	47	D
COM 321	COMPILER DESIGN	3	55	C
COM 326	SOFTWARE DEVELOPMENT	3	58	C
COM 323E	INFORMATION SYSTEMS SECURITY	3	71	A
COM 322E	OPERATIONS RESEARCH	3	63	В

RESULT: PASS: PROCEED TO FOURTH YEAR OF STUDY

KEY TO GRADING SYSTEM 70% and above A (Exceller 60% – 69% B (Good) A (Excellent) B (Good) C (Average) D (Pass) F (Fail) 50% - 59% 40% - 49% 39% and Below

NOTE: A Semester is a period of 16 weeks

A Unit study is one hour lecture per week per semester or two hours of tutorials/seminars per week per semester or three hours of practical per week per semester.

SIGNED:

Registro (AA)

EXPLANATION OF COURSE CODES 100 - 600 - Undergraduate Courses

OTHER KEYS
*- Passed after Supplementary Examination
E – Elective Course

DATE: 13-1-2009

Telephone: (056) 31375 Fax No: (056) 30153 e-mail:mmust@wust.ac.ke



P.O. Box 190 KAKAMEGA, 50100 Kenya

MASINDE MULIRO UNIVERSITYOF SCIENCE AND TECHNOLOGY (MMUST) UNDERGRADUATE ACADEMIC TRANSCRIPT

DEGREE PRO	GRAMME: BACHELOR	OF SCIENCE INCOMPUTER S	CIENCE		
ACADEMIC Y	/EAR: 2	006/2007 YEAR OF S	STUDY: SECOND	<u>/EAR</u>	
OURSE CODE	DESCRIPTIVE TITLE C	OF COURSE	UNITS	MARKS	GRADES
OM 210	PROCEDURAL PROGR		3	59	C
OM 211	SYSTEM SOFTWAR		3	64	В
OM 216	INTERNET FUNDAMEN	ON CONTRACTOR CONTRACT	3	76	A
HY 210	ELECTRICITY AND MA		3	67	В
OM 212	DIGITAL ELECTRONIC	SI	3	73	A
OM 215	ELECTRICAL CIRCUITS	S	3	74	A
OM 217	ELECTRONICS I		3	66	В
OM 220	SOFTWARE ENGINEER	RINGI	3	65	В
COM 221	COMPUTER ORGANIZA	ATION	3	63	В
OM 222	INTERNET APPLICATION	ONS ,	3	73	A
COM 223	OPERATING SYSTEMS	& NETWORK	3	68	В
COLUMN TOWN			3		
	DATA STRUCTURES	0.0000000000000000000000000000000000000	3	68	B
OM 224 TA 205 TOTA	STATISTICS AND PRO L NUMBER OF COURSES TAKEN L NUMBER OF UNITS	THIRTY)	53	C
COM 224 STA 205 TOTA	STATISTICS AND PRO	THIRTY)	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM	The State of the S
TOTA RESULT: PASS	STATISTICS AND PRO LINUMBER OF COURSES TAKEN LINUMBER OF UNITS PROCEED TO THIRD YEAR	THIRTY) NINE) EXPLANATION	53 OF COURSE CO	C
TOTA RESULT: PASS KEY TO 0	STATISTICS AND PRO LINUMBER OF COURSES TAKEN LINUMBER OF UNITS PROCEED TO THIRD YEAR GRADING SYSTEM	THIRTY) NINE) EXPLANATION	53	C
TOTA TOTA RESULT: PASS KEY TO 0 70% and a	STATISTICS AND PRO LINUMBER OF COURSES TAKEN LINUMBER OF UNITS PROCEED TO THIRD YEAR BRADING SYSTEM bove A (Excellent)	THIRTY) NINE) EXPLANATION	53 OF COURSE CO	C
TOTA TOTA RESULT: PASS KEY TO 0 70% and a 60% – 69%	STATISTICS AND PRO LINUMBER OF COURSES TAKEN LINUMBER OF UNITS PROCEED TO THIRD YEAR BRADING SYSTEM bove A (Excellent) 6 B (Good)	THIRTY) NINE) EXPLANATION	53 OF COURSE CO	C
TOTA TOTA RESULT: PASS KEY TO 0 70% and a 60% – 69% 50% - 59%	STATISTICS AND PRO LINUMBER OF COURSES TAKEN LINUMBER OF UNITS PROCEED TO THIRD YEAR BRADING SYSTEM bove A (Excellent) B (Good) C (Average)	THIRTY	NINE EXPLANATION 100 – 600 – Unde	OF COURSE CO	C
TOTA TOTA RESULT: PASS KEY TO 0 70% and a 60% – 69% 50% - 59% 40% - 49%	STATISTICS AND PRO LINUMBER OF COURSES TAKEN LINUMBER OF UNITS PROCEED TO THIRD YEAR BRADING SYSTEM bove A (Excellent) B (Good) C (Average) D (Pass)	THIRTY	EXPLANATION 100 - 600 - Unde	OF COURSE COURSE COURSE	DES 5
TOTA TOTA RESULT: PASS KEY TO 0 70% and a 60% – 69% 50% - 59% 40% - 49%	STATISTICS AND PRO LINUMBER OF COURSES TAKEN LINUMBER OF UNITS PROCEED TO THIRD YEAR BRADING SYSTEM bove A (Excellent) B (Good) C (Average)	THIRTY	EXPLANATION 100 – 600 – Unde OTHER KEY * - Passed af	OF COURSE COURSE COURSE COURSE SET Supplement	C
TOTA TOTA RESULT: PASS KEY TO 0 70% and a 60% – 69% 50% - 59% 40% - 49% 39% and B	STATISTICS AND PRO L NUMBER OF COURSES TAKEN L NUMBER OF UNITS PROCEED TO THIRD YEAR BRADING SYSTEM bove A (Excellent) G B (Good) C (Average) D (Pass) lelow E (Fail)	THIRTEEN 39 (THIRTY ROF STUDY	EXPLANATION 100 - 600 - Unde	OF COURSE COURSE COURSE COURSE SET Supplement	DES 5
TOTA TOTA RESULT: PASS KEY TO 0 70% and a 60% – 69% 50% - 59% 40% - 49% 39% and B NOTE: A Se	STATISTICS AND PRO L NUMBER OF COURSES TAKEN L NUMBER OF UNITS PROCEED TO THIRD YEAR BRADING SYSTEM bove A (Excellent) B (Good) C (Average) D (Pass) Below E (Fail) prester is a period of 16 weeks	THIRTEEN 39 (THIRTY ROF STUDY	EXPLANATION 100 – 600 – Unde OTHER KEY * - Passed af	OF COURSE COURSE COURSE COURSE SET Supplement	DES 5
TOTA TOTA RESULT: PASS KEY TO 0 70% and a 60% – 69% 50% - 59% 40% - 49% 39% and B NOTE: A Se A Ur	STATISTICS AND PRO LINUMBER OF COURSES TAKEN LINUMBER OF UNITS PROCEED TO THIRD YEAR BRADING SYSTEM bove A (Excellent) C (Average) D (Pass) Lefow E (Fail) C (Fail)	THIRTY TOF STUDY. THIRTY TOF STUDY.	EXPLANATION 100 – 600 – Unde OTHER KEY * - Passed af	OF COURSE COURSE COURSE COURSE SET Supplement	DES 5
TOTA TOTA RESULT: PASS KEY TO 0 70% and a 60% – 69% 50% - 59% 40% - 49% 39% and B NOTE: A Se A Ur	STATISTICS AND PRO L NUMBER OF COURSES TAKEN L NUMBER OF UNITS PROCEED TO THIRD YEAR BRADING SYSTEM bove A (Excellent) B (Good) C (Average) D (Pass) Below E (Fail) prester is a period of 16 weeks	THIRTY TOF STUDY. THIRTY TOF STUDY.	EXPLANATION 100 – 600 – Unde OTHER KEY * - Passed af	OF COURSE COURSE COURSE COURSE SET Supplement	DES 5
OM 224 TA 205 TOTA TOTA RESULT: PASS KEY TO 0 70% and a 60% – 69% 50% - 59% 40% - 49% 39% and B NOTE: A Se A Ur	STATISTICS AND PRO L NUMBER OF COURSES TAKEN L NUMBER OF UNITS PROCEED TO THIRD YEAR BOYEN	THIRTEEN 39 THIRTY ROF STUDY. THIRTY	EXPLANATION 100 – 600 – Unde OTHER KEY * - Passed af E – Elective (OF COURSE COURSE COURSE COURSE SET Supplement	DES 5
TOTA TOTA TOTA RESULT: PASS KEY TO 0 70% and a 60% – 69% 50% - 59% 40% - 49% 39% and B NOTE: A Se A Ur of tu	STATISTICS AND PRO NUMBER OF COURSES TAKEN NUMBER OF UNITS PROCEED TO THIRD YEAR BRADING SYSTEM bove A (Excellent) B (Good) C (Average) D (Pass) telow E (Fail) mester is a period of 16 weeks tilt study is one hour lecture per torials/seminars per week per selical ner week	THIRTEEN 39 THIRTY ROF STUDY. THIRTY THIRTY THIRTY SIGNED:	EXPLANATION 100 – 600 – Under OTHER KEY - Passed aff E – Elective (OF COURSE CO ergraduate Course Ster Supplement Course	DES 5
TOTA TOTA TOTA RESULT: PASS KEY TO 0 70% and a 60% – 69% 50% - 59% 40% - 49% 39% and B NOTE: A Se A Ur of tu	STATISTICS AND PRO L NUMBER OF COURSES TAKEN L NUMBER OF UNITS PROCEED TO THIRD YEAR BOYEN	THIRTY TOF STUDY. THIRTY TOF STUDY. Thirty	EXPLANATION 100 – 600 – Unde OTHER KEY * - Passed af E – Elective (OF COURSE COURSE COURSE SE TET Supplement Course	DES 5

WESTERN UNIVERSITY COLLEGE OF SCIENCE AND TECHNOLOGY (WUCST)

(A Constituent College of Moi University)

Telephone: (056) 31375 Fax No: (056) 30153 E-Mail: wucst@africaonline.co.ke

NAME OF STUDENT:



Ishmael Nyunya

P.O. Box 190 KAKAMEGA, 50100 Kenya

REG. NO: COM/0031/05

UNDERGRADUATE ACADEMIC TRANSCRIPT

ACADEMIC YEAR	2005/2006 YEAR OF STUDY:	FIRST Y	EAR	
COURSE CODE	DESCRIPTIVE TITLE OF COURSE	UNITS	MARKS	GRADES
OM 111	COMPUTER APPLICATION I	3	77	A
OM 113	MATHEMATICS FOR COMPUTER SCIENCE I	3	65	В
OM 110	INTRODUCTION TO COMPUTERS & COMPUTING	3	87	A
HY 110	BASIC PHYSICS I	4	60	В
MAT 110	BASIC CALCULUS	3	66	В
RD 100	COMMUNICATION SKILLS I	3	67	В
RD 10I	QUANTITATIVE SKILLS I	3	61	В
RD 103	DEVELOPMENT CONCEPTS AND APPLICATIONS	3	60	В
OM 120	SYSTEM HARDWARE	3	70	A
OM 121	PROCEDURAL PROGRAMMING I	3	65	В
OM 123	MATHEMATICS FOR COMPUTER SCIENCE II	3	69	В
RD 104	QUANTITATIVE SKILLS II	3	70	A
HY 111	BASIC PHYSICS II	4	71	A
(AT 111	GEOMETRY & ELEMENTS OF APPLIED MATHEMATICS	3	68	В
RD 102	COMMUNICATION SKILLS II	3	51	C
TO THE THE	JMBER OF UNITS			
	FORTY -SEVEN (FORTY -SEVEN)			
RESULT: PASS: PRO	GEED TO SECOND YEAR OF STUDY.	EXPLANATION (OF COURSE CODE	ES
KEY TO GRAD 70% and above 60% – 69%	47 FORTY -SEVEN) ING SYSTEM A (Excellent) B (Good)	EXPLANATION (13
KEY TO GRAD 70% and above	47 FORTY -SEVEN) ING SYSTEM A (Excellent) B (Good) C (Average) D (Pass)		graduate Courses	