



LAGOS STATE POLYTECHNIC
SCHOOL OF ENGINEERING TECHNOLOGY
DEPARTMENT OF CHEMICAL ENGINEERING TECHNOLOGY
NEW CURRICULUM FOR ND I (CHEMICAL ENGINEERING) (FIRST SEMESTER)

COURSE CODE	COURSE TITLE	THEORY HOUR	PRACTICAL HOUR	CONTACT HOUR	COURSE UNITS	PREREQUISITE
BPH III	BASIC PHYSICS I (MECHANICS & PROPERTIES OF MATTER)	0	3	5	3	
BCH 111	BASIC CHEMISTRY (GENERAL & PHYSICAL)	0	3	5	3	
STA 111	INTRODUCTION TO STATISTICS	0	0	2	2	
MTH 111	ELEMENTARY MATHEMATICS (ALGEBRA & TRIGONOMETRY)	1	0	3	3	
CHE 101	INTRODUCTION TO CHEMICAL ENGINEERING I	1	0	3	3	
MEC 101	TECHNICAL DRAWING	0	3	4	2	
MEC 112	BASIC WORKSHOP PRACTICE	0	3	4	2	
ICT 111	INFORMATION AND COMMUNICATION TECHNOLOGY	0	0	2	2	
GNS 101	USE OF ENGLISH I (LOCAL CONTENT)	0	0	2	2	
GNS 111	CITIZENSHIP EDUCATION (LOCAL CONTENT)		0	2	2	
LIB 100	LIBRARY USERS EDUCATION (LOCAL CONTENT)		0	1	1	
	TOTAL	2	18	33	25	

Note: CHE 104 (Electrical Engineering Science) has been assigned 40% for practical, 10% for quizzes and test and 50% for exams by the NBTE



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COURSE CODE	COURSE TITLE	THEORY HOUR	PRACTICAL HOUR	CONTACT HOUR	COURSE UNIT	PREREQUISITE
BPH 121	BASIC PHYSICS II (OPTICS, WAVES, ELECTRICITY & MAGNETISM)	0	3	5	3	
BCH 121	BASIC CHEMISTRY II (ORGANIC & INORGANIC CHEMISTRY)	0	3	5	3	
MTH 121	ELEMENTARY MATHEMATICS II (CALCULUS & ANALYTICAL GEOMETRY)	1	0	3	3	
ICT 121	COMPUTER SYSTEMS & PROGRAMMING	0	0	2	2	
GLT 111	GENERAL LABORATORY TECHNIQUES I) CARE & MAINTENANCE OF LAB, WARES AND SIMPLE EQUIPMENT	1	0	1	1	
	II) SAFETY IN THE LABORATORY		0	1	1	
CHE 102	INTRODUCTORY TO CHEMICAL ENGINEERING II	0	0	3	3	CHE 101
CHE 104	ELECTRICAL ENGINEERING SCIENCE	0	3	5	3	
CHE 106	INTRO. TO CHEMICAL ENG. PLANT MAINTENANCE & SERVICES	0	3	4	2	
CHE 108	CHEMICAL ENGINEERING SCIENCE	0	3	4	2	MEC 112
GNS 102	COMMUNICATION IN ENGLISH I (LOCAL CONTENT)	0	0	2	2	
EED 126	INTRODUCTION TO ENTREPRENEURSHIP EDUCATION	0	2	3	2	
CCE 100	COMPULSORY COMPUTER EDUCATION I	0	1	1	0	
CHE 100	TECHNICAL REPORT WRITING	0	0	1	1	
	TOTAL	2	22	40	28	



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NEW CURRICULUM FOR ND II (CHEMICAL ENGINEERING) (FIRST SEMESTER)

COURSE CODE	COURSE TITLE	THEORY HOUR	PRACTICAL HOUR	CONTACT HOUR	CREDIT UNIT	PREREQUISITE
CHE 201	INTRODUCTION TO ENGINEERING ANALYSIS	0	0	2	2	
CHE 203	CHEMICAL ENGINEERING THERMODYNAMICS I	0	0	2	2	CHE 102
CHE 205	UNIT OPERATIONS I	0	0	2	2	
CHE 207	MASS TRANSFER I	0	0	2	2	
CHE 209	HEAT TRANSFER I	0	0	2	2	
CHE 211	FLUID MECHANICS	0	0	2	2	
CHE 213	CHEMICAL ENGINEERING LABORATORY I	0	6	6	2	
CHE 215	CORROSION AND MATERIAL SCIENCE	0	0	0	2	
CHE 217	ND PROJECT SEMINAR	0	6	6	2	
SIW 200	SIWES	0	0	0	2	
GLT 202	GLASS BLOWING AND VACUUM TECHNOLOGY	0	2	3	2	
EED 216	PRACTICE OF ENTREPRENEURSHIP	0	2	3	2	
GNS 101	USE OF ENGLISH II	0	0	2	2	GNS 101
	TOTAL	0	16	33	26	



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COURSE CODE	COURSE TITLE	THEORY HOUR	PRACTICAL HOUR	CONTACT HOUR	CREDIT UNIT	PREREQUISITE
CHE 202	ENGINEERING MANAGEMENT I	0	0	2	2	
CHE 204	CHEMICAL REACTION ENGINEERING I	0	0	2	2	
CHE 206	UNIT OPERATIONS II	0	0	2	2	
CHE 208	INSTRUMENTATION & PROCESS CONTROL	0	0	2	2	
CHE 210	HEAT SAFETY & ENVIRONMENT	0	0	2	2	
CHE 212	CHEMICAL ENGINEERING LABORATORY II	0	6	6	2	
CHE 214	PROJECT	0	6	6	2	
GNS 202	COMMUNICATION IN ENGLISH II	0	0	2	2	
CHE 220	FUEL TECHNOLOGY	0	0	2	2	
CHE 218	POLYMER SCIENCE & TECHNOLOGY	0	0	2	2	
CHE 216	ELECTIVE II (Any one) INTRODUCTION TO BIOTECHNOLOGY		0	2	2	
CHE 222	PETROLEUM PROCESSING TECHNOLOGY		0	2	2	
CCE 200	COMPULSORY COMPUTER EDUCATION II		2	2	0	
	TOTAL	0	14	34	24	

