

NATIONAL BOARD FOR TECHNICAL EDUCATION

CURRICULUM AND COURSE SPECIFICATION

NATIONAL DIPLOMA (ND) FAMILY HEALTHCARE TECHNOLOGY

FEBRUARY, 2024

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GENERAL INFORMATION

1.0 TITLE OF THE PROGRAMME: The title of the programme is National Diploma Family Healthcare Technology

2.0 GOAL AND OBJECTIVES OF THE PROGRAMME

2.1 Goal: The National Diploma (ND) programme is designed to produce Family Healthcare Technicians with appropriate and adequate knowledge, skills and attitudes for effective delivery of health care services at National and International Health Care System.

2.2 Objectives: At the end of the programme, the student should be able to:

- i. Provide family healthcare services
- ii. Assist in the management of communicable and non-communicable diseases.
- iii. Provide psychological support to individual and the family
- iv. Conduct health education and mobilization programmes on prevailing health problems in the community
- v. Assist in the delivery of laboratory support services
- vi. Support in carrying out maternal and child healthcare services.
- vii. Detect and manage nutritional deficiencies

- viii. Observe family healthcare ethics when rendering services.
- ix. Carryout basic clinical procedures to individuals and family
- x. Manage family emergency situations
- xi. Conduct statistical functions in family healthcare services
- xii. Disseminate accurate health information to the society at large in order to ameliorate disease burden
- xiii. Assist in the management of essential drugs
- xiv. Assist in the conduct of independent research
- xv. Provide supportive care services to the aged and the handicap.
- xvi. Assist in the management of basic ENT and eye care.
- xvii. Provide support in the management of common mental illnesses

3.0 ENTRY REQUIREMENTS:

The general entry requirements for the ND in Family Healthcare Technology are:

- a. Minimum score in the Unified Tertiary Matriculation Examination (UTME).
- b. Candidates for the programme shall possess minimum of five (5) credits passes in NABTEB/WAEC/GCE/SSCE/NECO or its equivalents to include English Language, Mathematics, Biology/Health Science, Chemistry and Physics.

4.0 STAFFING REQUIREMENT

4.1 Core Teaching Staff:

At the point of mounting the programme, there should be a minimum of four Lecturers and an Instructor with HND/BSc in Public Health and Nursing Science and or Health related disciplines, with Higher Degrees in Public Health and Nursing Science. Staff on the program must belong to the Professional Institute of Healthcare Technicians and Technologist (PIHTT).

4.2 Technical Staff:

These are technically qualified staff not involved in direct lecturing/instructing, but who provide vital and indispensable services in all facilities used in the implementation of the programme. They possess ND/HND in Health-related disciplines

5.0 CAREER AND ACADEMIC PROSPECTS

5.1 Academic Progression

Holders of the ND are eligible for admission into HND or B.Sc.

5.2 Career prospects

Holders of the ND can work in the following establishments/organizations:

- Primary Health Care (PHCs)
- Clinics
- Hospitals
- Teaching
- Industries,
- Military/Para-military

- NGO's
- Rehabilitation centers

6.0 DURATION

The duration of the programme is two academic sessions consisting of four semesters of 17 weeks each. (15 weeks academic activities and 2 weeks for Registration & Examinations).

7.0 CURRICULUM

- 7.1 The curriculum of the ND programme consists of four main components. These are:
 - i. General Studies/Education
 - ii. Foundation Courses
 - iii. Core Courses
 - iv. Students' Industrial Work Experience Scheme (SIWES)
- 7.2 The General Education component shall account for not more than 15% of total contact hours for the programme.

7.3 Foundation Courses:

- 7.4 **Professional Courses:** are courses which give the student the theory and practical skills needed to practice as Technician/Officer. These may account for between 60-70% of the contact hours of the programme.
- 7.5 **Students' Industrial Work Experience Scheme (SIWES)** shall take place during the long vacation following the end of the second semester of the first year. See details on SIWES. The duration shall be 12 weeks.

8.0 CURRICULUM STRUCTURE

The structure of the ND programme consists of four semesters of Classroom, Laboratory and Workshop activities in the college and Students' Industrial Work Experience Scheme at the end of second semester of the first year.

Each semester shall be of 17 weeks duration made up as follows: 15 contact weeks of teaching, lecture recitation and practical exercises, etc and 2 weeks for tests, quizzes, examinations and registration.

9.0 ACCREDITATION

The National Board for Technical Education shall accredit the programme before the diplomates can be awarded the National Diploma certificates. Details about the process of accrediting the programme for the award of the National Diploma are available from the office of the Executive Secretary, National Board for Technical Education, Plot "B", Bida Road, P.M.B. 2239, Kaduna, Nigeria.

10.0 CONDITION FOR AWARD OF NATIONAL DIPLOMA

10.1 Conditions for the award of National Diploma include the following:

- a. Satisfactory performance in all prescribed course work which may include class work, tests, quizzes.
- b. Clinical experience, laboratory work and fieldwork/Community based experience.
- c. Satisfactory performance at all semester examinations.
- d. Satisfactory completion of final year project work.

e. Normally, for all courses including final year project work, continuous assessment contributes 30% while semester examinations and project reports are weighted 70% to make a total of 100%.

f. At the end of ND, graduates shall take the Board (PIHTT) examination for a license to practice as Family Healthcare Practitioner

10.2 **Classification of Diploma**

The National Diploma shall be awarded in four classes as follows:

- Distinction CGPA of 3.50 and above • _
- Upper Credit CGPA of 3.0 - 3.49 -۲
- CGPA of 2.50- 2.99 • Lower Credit _
- Pass CGPA of 2.00- 2.49 _
- 10.3 **Grading of Courses:**

Courses shall be graded as follows:

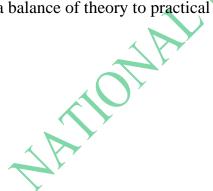
	tion of Diploma bloma shall be awarded in fou	r class	ses as follows:			
Distinction	n - CGPA of 3.	.50 an	d above			
• Upper Cre	edit - CGPA of 3.	.0 - 3.4	49			
• Lower Cre	edit - CGPA of 2.	.50- 2.	.99			\checkmark
Pass	- CGPA of 2.	.00- 2.	49		ĊX	Y
Grading	g of Courses:					
rses shall be	graded as follows:			\mathcal{S}		
Г	MARKED RANGE		LETTER GRADI	E	WE	IGHTING
			GRADE			
	75% and above		А			4.00
	70% – 74%		AB			3.50
	65% - 69%		В			3.25
	60% - 64%		BC			3.00
	55% - 59%		C			2.75
	50% - 54%	2	CD			2.50
	45% - 49%		D			2.25
	40% - 44%		E			2.00
	Below 40%		F			0.0
	40% – 44% Below 40%		7			

11.0 GUIDANCE NOTES FOR TEACHERS

- **11.1** The new curriculum is drawn in unit courses. This is in keeping with the provisions of the National Policy on Education which stress the need to introduce the semester credit units which will enable a student who so wishes to transfer the units already completed in an institution of similar standard from which he/she is transferring.
- **11.2** In designing the units, the principle of the modular system by product has been adopted, and each of the professional modules, when completed provides the student with Officers/technician operative skills, which can be used for employment purposes or self-reliance.
- **11.3** As the success of the credit unit system depends on the articulation of the programme between the institutions and industry, the curriculum content has been written in behavioral objectives, so that it is clear to all the expected performance of the student who successfully completed some of the courses or the diplomates of the programme. This is slight departure in the presentation of the performance-based curriculum which requires the conditions under which the performance is expected to be carried out and the criteria for the acceptable levels of performance. It is a deliberate attempt to further involve the staff of the department teaching the programme to write their own curriculum stating the conditions existing in their institution under which performance can take place and to follow that with the criteria for determining an acceptance level of performance.

The Academic Board of the institution may vet departmental submission on the final curriculum. Our aim is to continue to see to it that a solid internal evaluation system exists in each institution for ensuring minimum standard and quality of education in the programmes offered throughout the Polytechnic/Monotechnic system.

11.4 The teaching of the theory and practical work should, as much as possible, be integrated. Practical exercises, especially those in professional courses and laboratory work should not be taught in isolation from the theory. For each course, there should be a balance of theory to practical in the ratio of 70:30.



11.5 ASSESSMENT:

	Classwork /practical &Laboratory Works	Total
Examination		70
CA		30
Total		100

12.0 PRACTICAL LOGBOOK

A personal Logbook to be kept by each student shall contain all day-to-day, weekly summary and semester summary of all the practical activities from day one to the end of the programme. This is to be checked, marked, endorsed and recorded by the lecturers/technologists concerned at the end of every week.

13.0 FINAL YEAR PROJECT

Final year students in this programme are expected to carry out a project work. This could be on individual basis or group work of not more than three students per group, but reporting must be undertaken individually. The project should, as much as possible be related to the programme. Project reports should be well presented and should be properly supervised. The departments should make their own arrangement of schedules for project work.

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		CURRICULUM TABLE YEAR 1- FIRST SEMESTER		Ċ		
S/N	COURSE CODE	COURSE TITLE	L	Р	CU	СН
1.	FHC 111	Introduction to Family Health Care	2	-	2	2
2.	FHC 112	Introduction to Primary Health Care	2	1	3	3
3.	FHC 113	Introduction to Communicable and non-Communicable Disease	2	1	3	3
4.	FHC 114	Introduction to Behavioral Science	2	-	2	2
5.	HEP 113	Introduction to Health Education	2	1	3	3
6.	FHC 115	Introduction to Microbiology	1	1	2	2
7.	FHC 116	Anatomy and Physiology 1	2	1	3	3
8.	FHC 117	Introduction to General Chemistry	1	1	2	2
9.	EHT 111	Introduction to Environmental Health	1	1	2	2
10.	GNS 101	Use of English	2	-	2	2
11.	GNS 111	Citizenship Education	2	-	2	2
		TOTAL	19	7	26	26
	AAIONA	10				

YEAR 1- SECOND SEMESTER

		YEAR 1- SECOND SEMESTER				
S/N	COURSE CODE	COURSE TITLE	L	P	CU	СН
1.	FHC 121	Reproductive Health I	2	1	3	3
2.	FHC 122	Basic human Nutrition	2	1	3	3
3.	FHC 123	Family Healthcare Ethics	2	-	2	2
4.	PHT 111	Introduction to Public Health	2	-	2	2
5.	FHC 124	Clinical Skills I	2	1	3	3
6.	FHC 125	Anatomy and Physiology II	2	1	3	3
7.	FHC 126	Accidents and Emergencies	1	1	2	2
8.	ENT 126	Introduction to Entrepreneurship	2	1	3	3
9.	GNS 121	Citizenship Education II	2	-	2	2
10.	COM 111	Introduction to Computing	1	1	2	2
	I	TOTAL	18	7	25	25
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YEAR 2-FIRST SEMESTER

		YEAR 2-FIRST SEMESTER				
5/N	COURSE CODE	COURSE TITLE	L	Р	CU	СН
1.	FHC 211	Reproductive Health II	2	1	3	3
2.	FHC 212	Health Statistics	2	-	2	2
3.	FHC 214	Immunology & Immunization	2	1	3	3
4.	FHC 215	Clinical Skills II	2	1	3	3
5.	FHC 216	Health Informatics	1	1	2	2
6.	FHC 217	Essential Drugs	2	1	3	3
7.	FHC 218	Research Methodology in Healthcare	2	-	2	2
8.	ENT 216	Introduction to Entrepreneurship II	2	1	3	3
TOTAL			15	6	21	21
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YEAR 2- SECOND SEMESTER

S/N	COURSE	COURSE TITLE	L	P	CU	СН
	CODE					
1.	FHC 221	Oral Healthcare	2	1	3	3
2.	HEP 216	Health Administration and Management Services	2	-	2	2
3.	FHC 222	Care of Aged and Handicap	2	-	2	2
4.	FHC 223	Community Ear, Nose, Throat and Eyes	1	1	2	2
5.	FHC 224	Advocacy and Community Diagnosis	2	1	3	3
6.	FHC 225	Occupational Health and Safety	2	-	2	2
7.	FHC 226	Family Mental Health	1	1	2	2
8.	FHC 227	Project	-	4	4	4
		Total	12	8	20	20
		13				

FIRST SEMESTER YEAR

FIRST SEMESTER YEAR		
PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	ILY HEALTHCARE TECHNOLOG	Y
COURSE: INTRODUCTION TO FAMILY HEALTH	COURSE CODE: FHC 111	CONTACT HOURS: 30
	CREDIT UNITS: 2	THEORETICAL: 2
	PRE-REQUISITE:	PRACTICAL: 0
YEAR: I SEMESTER: I		
GOAL: This course is design to introduce the students to th	e concepts of family healthcare	
GENERAL OBJECTIVES: On completion of this course,	the students should be able to:	
GERTERAL OBJECTIVES. On completion of this course,	the students should be able to.	
1.0 Understand the concept of family		
2.0 Understand the concept of family healthcare		
3.0 Understand the components of family healthcare		
4.0 Know the rationale for family healthcare	\mathbf{O}^{\star}	
5.0 Comprehend the objectives of family healthcare	Y	
6.0 Understand contemporary issues in family healthcare		
7.0 Understand gender roles in family and community settin	g	
8.0 Understand the roles of NGOs in family healthcare deliv	ery	
9.0 Understand the concept of maternal and child health		
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PROG	RAMME: NATIONAL DIPLON	MA (ND) IN	FAMILY HEAI	THCARE TECHNOL	OGY	Ċ		
COUR HEAL	RSE: INTRODUCTION TO FAI	MILY	COURSE CODI	E: FHC 111	•	CONTACT H	OURS: 30	
		-	CREDIT UNIT	S: 2	,	THEORETIC	AL: 2	
YEAR	: I SEMESTER: I		PRE-REQUISI	ГЕ:		PRACTICAL:	0	
COUR	SE SPECIFIFCATION: THEO	RETICAL A	ND PRACTICA	L A				
COAL	.: This course is designed to introdu	uca tha studar	ts to the concept	s of family healtheare				
				s of family healtheare	,			
ENE	RAL OBJECTIVE 1.0: Understan	d the concept	of family					
ГНЕО	RETICAL CONTENT				PRAC	CTICAL CONT	ГENT	
Week	Specific Learning Outcome	Teacher's	Activities	Resources	Specif	ic Learning	Teacher's	Resources
			6		Outco	me	Activities	
2	1.1 Define Family	Explain Fan	nily	Textbooks				
	1.2 Explain the types of	Explain the	types of family	Marker board Marker				
	family	Evolain Far	ily Structures	Journals				
			Y	Projector				
	1.3 Explain Family Structures	Explain the Family	Functions of	Internet				
	1.4 Explain the Functions of	Explain Fam	nily Dynamics					
	Family 1.5 Explain Family	Explain the the Society	Roles of Family	in				
	Dynamics	the Society						
				15				

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1.6 Explain the Roles of Family in the Society	Explain major health problems affecting family members		jC		
1.7 Explain major health problems affecting family members			ALEN .		
ENERAL OBJECTIVE 2.0: Unders	tand the concept of family healthcare				
2.1 Define Family Healthcare	Explain Family Healthcare	Textbooks Marker board Marker			
2.2 Explain the historical background of family healthcare	Explain the historical background of family healthcare	Journals Projector Internet			
2.3 Explain the principles of family healthcare	Explain the principles of family healthcare				
2.4 Explain the Strategies for Comprehensive Family Healthcare service delivery	Explain the Strategies for Comprehensive Family Healthcare service delivery				
2.5 Explain the challenges of Family Healthcare delivery	Explain the challenges of Family Healthcare delivery				
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	2.6 Explain Ethical Considerations in Family Healthcare delivery	Explain Ethical Considerations in Family Healthcare delivery		OUCE		
GEN	ERAL OBJECTIVE 3.0: Understand	d the components of family healthcare			I	
4-5	3.1 Explain the components of family Healthcare3.2 Explain the significance of each Component	Explain the components of family Healthcare Explain the significance of each Component	Textbooks Marker board Marker Journals Projector Internet			
	3.3 Explain the interconnection of different components of healthcare3.4 Explain Family-Centred Care	Explain the interconnection of different components of healthcare Explain Family-Centred Care				
	3.5 Explain the importance of cultural sensitivity within the components of family healthcare3.6 Explain the Strategies for Promoting Family Healthcare	Explain the importance of cultural sensitivity within the components of family healthcare Explain the Strategies for Promoting Family Healthcare				
	AAIO	17				

	CRAL OBJECTIVE 4.0 : Know the r	ationale for family healthcare		
	4.1Explain the rationale	Explain the rationale behind	Textbooks	
	behind family healthcare,	family healthcare, detailing	Marker board	
	detailing how early	how early intervention and	Marker	
	intervention and preventive	preventive measures reduce	Journals	
	measures reduce health risks	health risks and enhance	Projector	
	and enhance overall family	overall family well-being	Internet	
	well-being			
	C	Explain the rationale for		
	4.2 Explain the rationale for	addressing holistic health		
	addressing holistic health	needs within families		
	needs within families			
		Explain the cost-effectiveness		
	4.3 Explain the cost-	of family healthcare		
	effectiveness of family			
	healthcare	Explain the benefits of		
		family-centred approaches in		
	4.4 Explain the benefits of	healthcare		
	family-centered approaches			
	in healthcare	Explain strategies for		
	in neutricule	integrating family healthcare		
	4.6 Explain strategies for	into public health initiatives		
	integrating family	into public nearli initiatives		
	healthcare into public health			
	initiatives			
FNF	CRAL OBJECTIVE 5.0 : Compreher	d the objective of family healthcare		
	XAL ODJECTIVE 5.0 . Completed	it the objective of family heattheare		
0				
9	5.1 Explain the objectives of	Explain the objectives of	Textbooks	
	family healthcare,	family healthcare,	Marker board	
	highlighting its aim to	highlighting its aim to	Marker	
	promote, maintain, and	promote, maintain, and	Journals	
		18		
		18		

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enhance the health and well- being of all family	enhance the health and well- being of all family members.	Projector Internet
	Explain the health indicators for	EDU
family healthcare, in the	effective family healthcare, in the aspect of preventive care, health promotion, disease	
management, mental health support, and fostering healthy lifestyles	Explain the holistic approach embedded in family healthcare.	
5.3Explain the holistic approach embedded in family healthcare.	Explain the interconnectedness of physical, mental, emotional, and social aspects of health	
5.4 Explain the interconnectedness of physical, mental, emotional,	within the family unit Explain the concept of	
and social aspects of health within the family unit	family-centered care Explain the importance of	
5.5 Explain the concept of family-centered care	involving families in decision- making and care planning for better health outcomes	
5.6 Explain the importance of involving families in decision-making and care		
planning for better health outcomes	10	
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RAL OBJECTIVE 6.0: Und	derstand contemporary issues in family hea	Ithcare
6.1 Explain the current issues and concerns in family healthcare	Explain the current issues and concerns in family healthcare	Textbooks Marker board Marker
6.2 Explain the impact of	Explain the impact of technological advancements ts on family healthcare,	Journals Internet Projector
 technological advancemen on family healthcare, discussing issues such as telemedicine, health 	discussing issues such as telemedicine, health monitoring applications, and	
monitoring applications, and the influence of digital health records on family- centered care		
 6.3 Explain the factors surrounding cultural diversity and its influence on healthcare practices 	telemedicine, health	
6.4 Explain the impact of socioeconomic factors on family health, such as	monitoring applications, and the influence of digital health records on family-centered care	
healthcare availability, affordability.	Explain the factors surrounding cultural diversity	
6.5 Explain the potential solutions and interventions to address contemporary	and its influence on healthcare	
challenges affecting family	Explain the impact of	



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	healthcare issues	socioeconomic factors on family health, such as healthcare availability, affordability. Explain the potential solutions and interventions to address contemporary challenges affecting family healthcare issues			
GENE	RAL OBJECTIVE 7.0: Understance	l gender roles in family and communi	ty setting		
12	7.1 Explain the concept of gender		Textbooks Marker board Marker Journals		
	7.2 Explain the gender roles within family and community settings	Explain the gender roles within	Projector Internet		
	7.3 Explain gender stereotypes prevalent in family and	Explain gender stereotypes prevalent in family and community			
	community settings, discussing their impact on individuals,	settings, discussing their impact on individuals, relationships, and			
	relationships, and societal perceptions.	societal perceptions.			
	7.4 Explain gender equity and	Explain gender equity and equality			



	equality within family and community contexts, exploring challenges and advancements toward achieving fair and equal opportunities for all genders.	within family and community contexts, exploring challenges and advancements toward achieving fair and equal opportunities for all genders.		EDUC	
GENE	CRAL OBJECTIVE 8.0 : Understand	the roles of NGOs in family healthca	are delivery	N'	
13- 14	8.1 Explain the diverse contributions of NGOs in healthcare delivery system	1	Textbooks Marker board Marker Journals Projector		
	8.2 Explain the specific roles and functions of NGOs in family healthcare delivery, recognizing their contributions to health promotion, service provision, advocacy, and community engagement.	Explain the specific roles and functions of NGOs in family healthcare delivery, recognizing their contributions to health promotion, service provision, advocacy, and community engagement.	Internét		
	discussing their effectiveness in addressing healthcare gaps,	Explain the impact of NGO interventions on family healthcare, discussing their effectiveness in addressing healthcare gaps, improving health outcomes, and reaching underserved populations			
	8.4 Explain the importance of	Explain the importance of			
	AATIE	22			

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GENE	NGOs, governments, healthcare providers, and communities in delivering comprehensive family healthcare services.	collaborative partnerships between NGOs, governments, healthcare providers, and communities in delivering comprehensive family healthcare services.	alth	EDIC	
15	 9.1 Define Maternal and child health 9.2 Explain the significance of maternal and child health in family healthcare 9.3 Explain the factors for promoting maternal and child health. 9.4 Explain the components of maternal health services 9.5 Define Maternal Morbidity and Mortality 9.6 Explain the causes of maternal morbidity and mortality 	 Explain Maternal and child health Explain the significance of maternal and child health in family healthcare Explain the factors for promoting maternal and child health. Explain the components of maternal health services Explain Maternal Morbidity and Mortality Explain the causes of maternal morbidity and mortality 	Textbooks Marker board Marker Journals Projector Internet		
С	VALUATION A 30% XAMINATION 70%	23			

PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	MILY HEALTHCARE TECHNOLO	DGY
COURSE: : INTRODUCTION TO PRIMARY	COURSE CODE: FHC 112	CONTACT HOURS: 45
HEALTH CARE	CREDIT UNITS: 3	THEORETICAL: 2
YEAR: I SEMESTER: I	PRE-REQUISITE:	PRACTICAL: 1
GOAL: This course is designed to acquaint students with t	he concept of Primary Health Care and	the Development of Nigeria Health System
 GENERAL OBJECTIVES: On completion of this course 1.1 Understand the concept of Health 2.0 Understand the concept of PHC 3.0 Understand the concept of Advocacy 4.0 Know the factors affecting Nigeria Health System 5.0 Understand the effects of harmful traditional practic 	CORTECT	
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PROG	RAMME: NATIONAL DIPLOM	A (ND) IN	FAMILY HEA	ALTHCAI	RE TECHNOL	OGY	Ċ	P	
COUR	SE: INTRODUCTION TO PRIM	MARY	COURSE CO	DE: FHC	112		CONTACT H	OURS: 45	
HEALTH CARE			CREDIT UNITS: 3		THEORETICAL: 2				
YEAR	: I SEMESTER: I		PRE-REQUIS	SITE:		4	PRACTICAL:	1	
	SE SPECIFIFCATION: THEOR					P			
GOAL	: This course is designed to acquit s	tudents wit	h the concept of	f Primary H	Health Care and t	the dev	elopment of Nig	eria health system	n
GENER	RAL OBJECTIVE 1.0: Understand	the concep	t of Health						
THEO	RETICAL CONTENT				\mathcal{O}	PRA	CTICAL CON	ΓΕΝΤ	
Week	Specific Learning Outcome	Teacher's	s Activities		Resources	Spec	ific Learning	Teacher's	Resources
			ć	8-		Outo	come	Activities	
	1.1 Define Health according to World Health Organization		Health accord Health Organiza		Projector				
1-2	(WHO)	(WHO)		ulon	Lecture notes				
	1.2 Explain factors that affect		n factors that aff	cet nearth	Textbooks				
	health in Nigerians e.g. cultural, social, economical	econon	rians e.g. cultur		Bulletins				
	and environmental factors	factors			Journals				
	1.3 Describe the various cultural theories of disease causation in	· 1	n the various cul s of disease caus		Charts				
	Nigeria e.g Ancestral act of God, Evil eyes, witches and	0	a e.g Ancestral a vil eyes, witches		Marker Board				

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God, Evil eyes, witches

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Curse.	Curse.	Marker	\sim		
1.6 Define health team1.7 Outline the composition of a health team1.8 Describe the characteristics and	 Explain how these theories influence Acceptance of modern health Care Steps taken to get well including medicine Attitude towards prevention of diseases 	Projector			
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GEN	ERAL OBJECTIVE: 2.0 Understan	d the concept of Primary health care	(PHC)	C		
3-4	 2.1 Define primary health care according to WHO 2.2 List the components of Primary Health Care 2.3 Explain the principle of primary health care 2.4 Describe briefly the development of the Nigeria Health System since Independence till date. 2.5 Identify the role of Primary Health Care (PHC) in the Nigeria Health System (NHS) 2.6 Describe the 3 tiers of Nigeria Health System and explain the relationships between them 2.7 Describe the primary health care approach of the Nigeria Health System: Down up approach Emphasis on prevention Cost recovery Quality assurances 	Define primary health care according to WHO Explain the components of Primary health care Explain the principle of primary health care Explain briefly the development of the Nigeria Health System since Independence till date. Explain the role of Primary Health Care (PHC) in the Nigeria Health System (NHS) Explain the 3 tiers of Nigeria Health System and explain the relationships between them Explain the primary health care approach of the Nigeria Health System: Down up approach Emphasis on prevention Cost recovery Quality assurances	Textbooks Charts Marker board Marker Projector Internet	Draw a diagram of the federal, state and local government Health system.	Guide students to draw a diagram of the federal, state and local government Health system.	Flip Charts Marker Sample map
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NE	RAL OBJECTIVE 3.0: Understan	d the concept of advocacy				
	3.1 Define Advocacy	Explain Advocacy	Textbooks	Visit a Primary Health	U U	PA system
	3.2 State types of Advocacy	Explain types of Advocacy	Journal	Care Facility	students to visit a Primary	Hand bills, Flye Banners,
	3.3 Explain the elements of	Explain the elements of Advocacy	Marker board		Health Care	Multimedia
	Advocacy	Explain the seven lamps of	Marker,		i aeiiity	Projector,
	3.4 Explain the seven lamps of	Advocacy	Multimedia			Writing Materia
	Advocacy		Projector.			
			Internet			
Έ		factors affecting Nigeria Health Syste				
	4.1 List factors affecting Nigeria health system since 1960.	Explain factors affecting Nigeria health system since 1960.				
	4.2 Outline solutions to factors	Eurlain solutions to fastern	Bulletin			
	discussed in 4.1 above.	Explain solutions to factors discussed in 4.1 above.	Internet			
			Journals			
	4.3 List the major challenges in Primary Health Care in	Explain the major challenges in Primary Health Care in Nigeria	Marker			
	Nigeria	Explain factors affecting utilization	Marker board			
	4.4 Discuss factors affecting utilization of Primary Health	of Primary Health Care facilities in				
	Care facilities in Nigeria	Nigeria				

5.1 Define harmful traditional practice	Explain harmful traditional practice	Textbooks		
x	Explain common practice	Bulletin		
5.2 Explain common practice	Explain the implication of harmful	Journals		
5.3 Explain the implication of harmful traditional practices to	traditional practices to health	Marker board		
health	Evaluin the role of Femily	Marker	/	
5.4 Explain the role of Family	Explain the role of Family Healthcare Technologist in the	Projector		
Healthcare Technicians in the prevention of harmful traditional practices	prevention of harmful traditional practices	Internet		
	ARDY			
	BOr			
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PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	ILY HEALTHCARE TECHNO	LOGY
COURSE: INTRODUCTION TO COMMUNICABLE AND NON-COMMUNICABLE	COURSE CODE: FHC 113	CONTACT HOURS: 30
DISEASES	CREDIT UNITS: 3	THEORETICAL: 2
YEAR: I SEMESTER: I	PRE-REQUISITE:	PRACTICAL: 1
GOAL : This course is designed to enable the students to diseases.	o acquire knowledge and skills f	or managing communicable and non-communicable
 GENERAL OBJECTIVES: On completion of this course, 1.0 Understand the concept of diseases 2.0 Understand the concept of communicable disease 3.0 Understand the classification of communicable d 4.0 Understand the epidemiology of some communicable di 5.0 Understand the concept of non-communicable di 6.0 Understand the classification of non-communicable 7.0 Understand the predisposing factors of non-commission 8.0 Understand the epidemiology of some non-commission 9.0 Understand the general prevention and control of . 	es iseases cable diseases seases ble diseases nunicable diseases nunicable diseases	
9.0 Understand the general prevention and control of .	30	

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PROG	RAMME: NATIONAL DIPLON	IA (ND) IN FAMILY HEALTHCA	RE TECHNOL	OGY		
	SE: INTRODUCTION TO IUNICABLE AND NON-	COURSE CODE: FHC	113	CONTACT H	OURS: 30	
COMMUNICABLE DISEASES		CREDIT UNITS: 3	CREDIT UNITS: 3 THEORETICAL: 2		AL: 2	
YEAR	: I SEMESTER: I	PRE-REQUISITE:	Ć	PRACTICAL:	: 1	
COUR	SE SPECIFIFCATION: THEO	RETICAL AND PRACTICAL				
diseas	U	ble the students to acquire knowled	ge and skills for	r managing communic	cable and non-con	mmunicable
THEO	DRETICAL CONTENT			PRACTICAL CON	TENT	
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning	Teacher's	Resources
WEEK	Specific Dearining Outcome		Resources	Outcome	Activities	Resources
1	1.1 Define disease	Explain disease	Text books	Watch video on	Guide	Video
	1.2 Explain the etiology of		Journals	diseases	students to watch video	films/slides on diseases
	disease	Explain the etiology of disease	Marker		on diseases,	
	1.3 Explain the terminologies	Explain the terminologies use in epidemiology: prevention,	Marker board		noting the broad classes	
	use in epidemiology: prevention, control, cure,	control, cure, vector, host,	Projector		of diseases, ie	
	AATO	31				



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vector, host, parasite, etc.	parasite, etc.	Internet		communicabl		
 1.4 Explain the following terms: Causative agent Incubation period Mode of transmission, Signs and symptoms Diagnosis Treatment measures Prevention and control 1.5 explain the broad classifications of disease: communicable and non-communicable diseases 	 Explain the following terms: Causative agent Incubation period Mode of transmission, Signs and symptoms Diagnosis Treatment measures Prevention and control Explain the broad classifications of disease: communicable and non- communicable diseases			e and Non communicabl e diseases with examples.		
GENERAL OBJECTIVE: 2.0 Understa	GENERAL OBJECTIVE: 2.0 Understand the concept of communicable diseases					
 2 2.1 Define communicable disease 2.2 Explain the causative agent of communicable diseases: bacteria, virus, fungi, etc 	Explain communicable disease Explain the causative agents of communicable diseases: bacteria, virus, fungi, etc	Charts Diagrams Textbooks Lecture notes				
32						



	2.3 Explain the general	Explain the general prevention	Internet			
	communicable disease	and control of communicable disease	Projector	all all	Y	
ENE	RAL OBJECTIVE : 3.0 Understand	d the classification of communical	ole disease	A Y		
3-5	-	Explain the basis for	Textbooks			
		classifications of communicable disease	Charts			
	3.2 Explain the	Explain the classifications/types	Diagrams			
	classifications/types of	of communicable diseases with	Internet			
		examples, including:				
	examples, including:	i. Waterborne diseases	Marker board			
	i. Waterborne diseases	ii. Air borne disease	Marker			
	ii. Air borne disease	iii. Insect borne disease	. .			
	iii. Insect borne disease	iv. Sexually Transmitted	Projector			
	iv. Sexually Transmitted	Infections (STIs)/Contact				
	Infections	disease				
	(STIs)/Contact disease	v. Zoonotic diseases				
	v. Zoonotic diseases					
ENE	RAL OBJECTIVE: 4.0 Understand	d the epidemiology of some comm	unicable disease	es		
<u> </u>				1	1	1
6-8	- · · · · · · · · · · · · · · · · · · ·	Explain the concept of	Textbooks			
	epidemiology	epidemiology				
			1	l		
		33				

4.2. Explain the	Explain the uses/application of	Charts
uses/application of epidemiology in healthcare	epidemiology in health care Explain the epidemiology of the	Diagrams
4.3. Explain the epidemiology	following communicable diseases	Internet
of the following communicable diseases using the steps	using the steps mentioned in 1.4: i. Malaria	Marker board Marker
i. Malaria,	xi. Cholera, xii. Typhoid fever	Projector
ii. Cholera,iii. Typhoid feveriv. Poliomyelitis,	kiii. Poliomyelitis,kiv. Measles,xv. Tuberculosis,	
v. Measles, vi. Tuberculosis,	vii. Diphtheria	
vii. Pneumonia viii. Diphtheria ix. HIV/AID,	viii. HIV/AID, xix. Gonorrhea, etc.	
x. Gonorrhea, etc.	RD'	
	BORA	
	34	

SNER	RAL OBJECTIVE: 5.0 Understan	d the concept of Non-communica	ble disease		, P	
	5.1 Define Non-communicable disease	Explain Non-communicable disease	Textbooks Charts			
	5.2 Explain the characteristics of Non-communicable disease	Explain the characteristics of Non-communicable disease	Diagrams	ALL.		
	5.3 Explain the general prevention and control	Explain the general prevention and control measures of Non-	Internet Marker board			
	measures of Non- communicable diseases.	communicable diseases.	Marker			
l			Projector			
NER	RAL OBJECTIVE: 6.0 Understan	d the classification/types of Non-		seases		
-11	6.1 Explain the bases for	Explain the bases for		seases		
)-11	r		communicable di	seases		
)-11	6.1 Explain the bases for classifications/types of Non-	Explain the bases for classifications/types of Non-	communicable di Textbooks	seases		
)-11	6.1 Explain the bases for classifications/types of Non-	Explain the bases for classifications/types of Non-	communicable di Textbooks Charts	seases		
0-11	 6.1 Explain the bases for classifications/types of Non-communicable disease. 6.2 Explain the following 	Explain the bases for classifications/types of Non- communicable disease. Explain the following	communicable di Textbooks Charts Diagrams Internet Projector	seases		
)-11	 6.1 Explain the bases for classifications/types of Noncommunicable disease. 6.2 Explain the following classifications/types of Noncommunicable disease, with 	Explain the bases for classifications/types of Non- communicable disease. Explain the following classifications/types of Non- communicable disease, with	communicable di Textbooks Charts Diagrams Internet	seases		



	iii. Congenital diseases	iii. Congenital diseases	
	iv. Respiratory diseases	iv. Respiratory diseases	
	v. Metabolic disorders	v. Metabolic disorders	
	vi. Neurological disorders	vi. Neurological disorders	
	vii. Muscular	vii. Muscular	
	diseases/disorders	diseases/disorders	
	viii. Nutritional deficiency	viii. Nutritional deficiency	
	disorder,	disorder,	
	ix. Reproductive system	ix. Reproductive system	
	disorder	disorder	
	x. Mental illness, etc.	Mental illness, etc.	
12	7.1 Explain the general predisposing/risks factors of Non-communicable disease	Explain the general predisposing/risks factors of Non- communicable disease	Textbooks Image: Charts Charts Image: Charts Diagrams Image: Charts Internet Image: Charts Marker board Image: Charts Marker Image: Charts Projector Image: Charts
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ERAL OBJECTIVE: 8.0 Understand	l the epidemiology of some Non-c	communicable disease
	Explain the following Steps used to explain Non- communicable diseases:	Textbooks Charts
- Definition -	- Definition - Types (if any)	Diagrams
- Predisposing/risks	- Predisposing/risks factors/cause of the disease	Internet Marker board
-Diagnosis/Screening -	Signs and symptoms Diagnosis/Screening	Marker
-Prevention and control	Treatment measures Prevention and control measures.	Projector
 8.2 Explain the following Non- communicable diseases according to the steps mentioned in 8.1: Hypertension Diabetes Cancer Asthma Sickle cell anemia Obesity 	Explain the following non- communicable diseases according to the steps mentioned in 8.1: i. Hypertension ii. Diabetes iii. Cancer iv. Asthma v. Sickle cell anaemia vi. Obesity vii. Kidney failure iii. Stroke ix. Malnutrition	

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viii. Stroke ix. Malnutrition x. Birth defects	x. Birth defects				
GENERAL OBJECTIVE:9.0 Und	erstand the general prevention and c	control of non-commun	nicable diseases		
15 9.1 Explain the general prevention of non- communicable diseases	Explain the general prevention non-communicable diseases	on of Textbooks Charts Diagrams Internet Marker board Marker Journal Projector			
EVALUATION CA 30% EXAMINATION 70%	ALBOAR				
CA 30% EXAMINATION 70%		38			

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PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	AILY HEALTHCARE TECHNOLOG	GY C
COURSE : INTRODUCTION TO BEHAVIOURAL SCIENCE	COURSE CODE: FHC 114	CONTACT HOURS: 3
	CREDIT UNITS: 2	THEORETICAL: 2
YEAR: I SEMESTER: I	PRE-REQUISITE:	PRACTICAL: 0
GOAL: This course is designed to provide the students wit	h the knowledge on human behavior and	society for the improvement of quality healthcare in the
society		
GENERAL OBJECTIVES: On completion of this course 1.0 Understand behaviour as a science 2.0 Comprehend society and human culture 3.0 Understand the influence of behaviour on the society 4.0 Understand family as an institution 5.0 Know the theories of personality, human growth and d 6.0 Know the theories associated with cognition, motivation	evelopment	
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AATU	39	

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	SE: INTRODUCTION TOBEHA	IA (ND) IN FAMILY HEALTHO VIOURAL COURSE CODE: FH CREDIT UNITS: 2		OGY CONTACT H THEORETIC		
YEAR	: I SEMESTER: I	PRE-REQUISITE:	Ċ	PRACTICAL	•	
COUR	SE SPECIFIFCATION: THEO	RETICAL AND PRACTICAL				
GENER	ement of quality health in the socie RAL OBJECTIVE 1.0: Understand					
THEO	RETICAL CONTENT	2	Y	PRACTICAL CON	TENT	
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning Outcome	Teacher's Activities	Resources
-2	1.1 Define behaviour	Explain behaviour	Textbooks			
	1.2 Explain the types of		Journals			
	behaviours	Explain the types of behaviours	Bulletins			
	1.3 Define 'science'	Explain 'science'	Projector			
	1.4 Define behavioural science	Explain behavioural science	Marker board			
		4)	1	I	
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	behavioural science	Explain the branches of behavioural science Explain the objectives of	Marker Internet
	studying behavioural science	lying behavioural science	
GENE	ERAL OBJECTIVE: 2.0 Comprehe	nd society and human culture	
3-4	2.1 Define culture	Explain culture	Textbooks
	2.2 Explain components of culture	Explain components of culture	Internet
	2.3 Explain elements of culture	Explain elements of culture	Marker
	2.4 Describe roles and status of culture	Explain roles and status of culture	Marker board
		2'	Projector
ENE	RAL OBJECTIVE: 3.0 Understand	the influence of behaviour on the so	ciety
5-6	3.1 Explain the roles of behaviour	Explain the roles of behaviour in the	Textbooks
	in the society	society	Lecture notes
	3.2 Identify effects of behaviour in the society	Explain effects of behaviour in the society	Projector
	3.3 Explain attitude on	Explain attitude on behavioural pattern	Pictures
	behavioural pattern	pattern	Marker board
	1A		Marker
		41	

	RAL OBJECTIVE : 4.0 Understan	d family as an institution		
8	4.1 Define Family	Explain Family	Textbooks	
	4.2 State Types of Family	Explain Types of Family	Lecture notes	
	4.3 Explain Family Composition	Explain Family Composition	Projector	
	4.4 Explain Variation in Family	Explain Variation in Family Forms	Internet	
	Forms	Explain functions of the	Marker board	
	4.5 State functions of the Family	Family	Marker	
ENE	RAL OBJECTIVE : 5.0 Know the	theories of personality, human growth	and development	
- 11	5.1 Define personality	Explain personality	Textbooks	
- 11	5.1 Define personality5.2 Explain types of personality	Explain personality Explain types of personality	Textbooks Lecture notes	
- 11				
- 11	5.2 Explain types of personality	Explain types of personality Explain the theories of personality	Lecture notes	
- 11	5.2 Explain types of personality5.3 Explain the theories of personality5.4 Explain the principles of	Explain types of personality	Lecture notes Projector Internet	
- 11	5.2 Explain types of personality5.3 Explain the theories of personality	Explain types of personality Explain the theories of personality Explain the principles of growth and development	Lecture notes Projector Internet Marker board	
- 11	 5.2 Explain types of personality 5.3 Explain the theories of personality 5.4 Explain the principles of growth and development 5.5 Explain the stages of growth 	Explain types of personality Explain the theories of personality Explain the principles of growth	Lecture notes Projector Internet	
- 11	5.2 Explain types of personality5.3 Explain the theories of personality5.4 Explain the principles of growth and development	Explain types of personality Explain the theories of personality Explain the principles of growth and development Explain the stages of growth and	Lecture notes Projector Internet Marker board	
- 11	 5.2 Explain types of personality 5.3 Explain the theories of personality 5.4 Explain the principles of growth and development 5.5 Explain the stages of growth 	Explain types of personality Explain the theories of personality Explain the principles of growth and development Explain the stages of growth and	Lecture notes Projector Internet Marker board	

12 - 15	 6.1 Define the following terms; Cognition Motivation learning 6.2 Explain the theory of motivation 6.3 Explain factors of motivation 6.4 Explain Learning and learning theory 6.5 Explain Memory and Forgetfulness 	 Explain the following terms; Cognition Motivation learning Explain the theory of motivation Explain factors of motivation Explain Learning and learning theory Explain Memory and Forgetfulness	Textbooks Lecture notes Projector Internet Marker board Marker		
		BOHR			

PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	/ILY HEALTHCARE TECHNOI	LOGY
COURSE: INTRODUCTION TO MICROBIOLOGY	COURSE CODE: FHC 115	CONTACT HOURS: 3
	CREDIT UNITS: 2	THEORETICAL: 1
YEAR: I SEMESTER: I	PRE-REQUISITE:	PRACTICAL: 1
GOAL: This course is designed to equip the students with	the knowledge of the general princip	les of microbiology
 GENERAL OBJECTIVES: On completion of this course 1.0 Understand the history and scope of microbiology 2.0 Know microorganism and their features 3.0 Understand the microscopic examination of micro-or 4.0 Understand the effect of environmental factors on gro 5.0 Know the various media for cultivation of micro-orga 6.0 Understand the microbial pathogenicity 7.0 Know how to manage a laboratory 	ganisms owth of micro-organisms	
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PROG	RAMME: NATIONAL DIPLON	IA (ND) IN FAMILY HEALTHCA	RE TECHNOI	LOGY			
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	RSE: INTRODUCTION TO OBIOLOGY	COURSE CODE: FHC	115		CONTACT HO	OURS: 3	
MICK	OBIOLOG I	CREDIT UNITS: 2	(THEORETICA	L:1	
YEAR	: I SEMESTER: I	PRE-REQUISITE:			PRACTICAL:	1	
COUL	RSE SPECIFIFCATION: THEOI	DETICAL AND DDACTICAL					
COUR	SE SPECIFIF CATION: THEO	REFICAL AND PRACTICAL					
GOAI	: This course is designed to equip t	he students with the knowledge of the	e general princip	oles of n	nicrobiology		
GENEI	RAL OBJECTIVE 1.0: Understand	d the history and scope of microbiolog	gy				
THEC	DRETICAL CONTENT		,	PR A	CTICAL CONT	FNT	
			-				
Week	Specific Learning Outcome	Teacher's Activities	Resources	Spec	eific Learning	Teacher's Activities	Resources
				Out	come	Activities	
1 - 2	1.1 Define Microbiology	Explain Microbiology	Projector				
	1.2 Trace the history of						
	microbiology 1.3 Outline the scope of	Explain the history of microbiology	Charts				
	microbiology		Pictures				
	1.4 Explain the role of	Explain the scope of microbiology	Textbooks				
	microbiology in medicine, agriculture, industry etc.		T				
	agriculture, industry etc.	Explain the role of microbiology in	Internet				
		45	·				
		45					
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		medicine, agriculture, industry etc.	Marker board Marker		TION	
GENE	CRAL OBJECTIVE : 2.0 Know mic	croorganism and their features				
3-4	 2.1 Describe the characteristics of micro-organism 2.2 Describe the morphological characteristics of microorganisms, viruses, fungi, bacteria, protozoa, algae, rickettsia and mycoplasma 	Explain the characteristics of micro- organism Explain the morphological characteristics of microorganisms, viruses, fungi, bacteria, protozoa, algae, rickettsia and mycoplasma	Projector Charts Pictures Textbooks Marker board Marker	Identify different kind of Microorganism	Students on how to set microscope and view	Microscope Hand gloves Lab coat Petri dish Slides
	RAL OBJECTIVE: 3.0 Know micr			1		
5-6	3.1Explain the principle of Microscopy	Explain the principle of Microscopy Explain types of microscope e.g.	Projector Charts	Identify different types of microscopes and their parts	to identify	Microscope Slides
	3.2 Describe types of microscope e.g. light microscope, compound microscope, dark field	light microscope, compound microscope, dark field microscope, phase contrast microscope, electron	Pictures Internet	Collect and carry out microscopic	of microscopes	Gloves Petri dish
	microscope, phase contrast microscope, electron microscope 3.3 Explain how to observe a drop	microscope Explain how to observe a drop of	Projector	-	Guide students to collect and carry out	Specimen



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	of pond water under the light, compound microscope and electron microscope 3.4 Describe various microbial staining techniques e.g gram stain, spore Stain, flagella stain.	compound microscope and electron microscope Explain various microbial staining techniques e.g gram stain, spore Stain, flagella stain.	Marker Marker board Text books Journals	water under the light and compound microscope, electron microscope	microscopic examination of sputum, urine tool, blood	
ENE	RAL OBJECTIVE : 4.0 Understand	I the effect of environmental factors o	on growth of mic	pro-organisms		
7 – 8	 4.1 Define bacteria growth 4.2 Describe intrinsic factors that affect the growth of microorganisms 4.3 Describe extrinsic factorsthat affect the growth of microorganisms 	Explain bacteria growth Explain intrinsic factors that affect the growth of microorganisms Explain extrinsic factorsthat affect the growth of microorganisms	Projector Charts Pictures Internet Marker Marker board Text books Journals			
ENE	RAL OBJECTIVE: 5.0 Know the x	various media for cultivation of micro	o-organisms			
	AAIO	47				

				TION	
9 - 10 5.1 Define culture and culture	Explain culture and culture media	Posters	Cultivate	Demonstrate to	
media 5.2 Describe the composition of	Explain the composition of the different culture media used in the	Text books Journal	Microorganisms by growth characteristics.	how to;	Petri dishes Writing materials
the cultivation of microorganism.	cultivation of microorganism. Explain microorganism according	Charts	Identify Microorganisms by growth characteristics.	Microor	Microscope Wooden and
5.3 Explain microorganism according to their growth, characteristics in or on different media.	to their growth, characteristics in or on different media.	Pictures Internet Projector	Transfer microorganisms from	by growth charact eristics.	Metal Spatula
		Marker Board Marker	one culture media to the other to obtain pure culture	• Identify Microor ganisms by	
	FORT			growth charact eristics • Transfe	
	RDY			r microor ganisms from	
	BOR			one culture media	
				to the other to obtain	
				pure culture	
	48				

ENF	RAL OBJECTIVE: 6.0 Understand	the microbial pathogenicity				
					V.	
1 –	6.1 Define pathogens and	Explain pathogens and	Picture	Isolate bacteria and	Demonstrate to	Culture media
2	pathogenicity	pathogenicity	Charta	fungi from dined food,	students how to	Petri dishes
	6.2 Explain food pathogons	Explain food pathogons	Charts	milk, beverages, egg,	isolate bacteria	Writing materia
	6.2 Explain food pathogens	Explain food pathogens	Textbooks	vegetable, meat, bread,	and fungi from	Microscope
	6.3 Describe their mode of	Explain their mode of infection,		water e.t.c	dined food,	Wooden and
	infection, growth, pathogenicity	growth, pathogenicity and control.	Internet			Metal Spatula
	and control.		Projector		beverages, egg, vegetable,	
			Marker board		meat, bread,	
			Warker board		water e.t.c	
			Marker			
			Journals			
			Journais			
ENE	DAL ODIECTIVE: 7.0 Know how	to monogo a laboratori				
	RAL OBJECTIVE : 7.0 Know how	to manage a laboratory				
3 –	7.1 Describe safety precautions in	Explain safety precautions in the	Equipment	Identify microbiology	Guide students	Incubator
5	the handling of equipment in	handling of equipment in	Equipment	wares	to:	
5		microbiology laboratory works e.g	Projector	wares		Autoclave
	use of the autoclave, hot oven,	use of the autoclave, hot oven, water	Charta	Demonstrate	Identify	Centrifuge
	water bath, centrifuge and	bath, centrifuge and incubator.	Charts	maintaining laboratory	microbiology	Over
	incubator.		Lecture	hygiene and safety	wares	Oven
		Explain how to maintain	NT 1 1 1		Demonstrate	Weighing Scale
	7.2 Explain how to maintain	laboratory hygiene and safety	Marker board		maintaining	Manual and
	laboratory hygiene and safety	Explain management of			laboratory	Electronic
		1 0	1	1		
		49				

			TION
7.3 Explain management of Laboratory consumables	Laboratory consumables	Marker	hygiene and safety
EVALUATION			
CA 30%			
EXAMINATION 70%		CECHINIC	
	RDFOR		
ALONA	LBOK		
ATION		50	

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PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	IILY HEALTHCARE TECHNOLO	DGY
COURSE: ANATOMY AND PHYSIOLOGY I	COURSE CODE: FHC 116	CONTACT HOURS: 45
	CREDIT UNITS: 3	THEORETICAL: 2
YEAR: I SEMESTER: I	PRE-REQUISITE:	PRACTICAL: 1
GOAL: This course is designed to enable the students to	o know the organization, structure a	and functions of the human body.
 GENERAL OBJECTIVES: : on completion of this course 1. Understand the organizational structure of the huma 2. Understand the human cell, structure and functions. 3. Know the different types of human tissues and funct 4. Understand the Cardiovascular system, structures and 5. Understand Digestive system, structures and functio 6. Understand Respiratory System, structures and functio 7. Understand Reproductive system, structures and function 8. Understand Nervous system, structures and function 9. Understand Excretory system, structures and function 10. Understand the homeostatic mechanism of the body. 11. Know the body fluids, electrolytes and acid-base ball 	n body ions. d functions ns ons etions s ns	
11. Know the body fluids, electrolytes and acid-base bal	51	

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PROG	RAMME: NATIONAL DIPLOM	IA (ND) IN	N FAMILY HEALT	THCARE	TECHNOL	OGY			
COUR	RSE: ANATOMY AND PHYSIOL	OGY I	COURSE CODE:	FHC 116			CONTACT HO	URS: 45	
			CREDIT UNITS:	: 3			THEORETICA	L: 2	
YEAR	: I SEMESTER: I		PRE-REQUISITI	E:		~	PRACTICAL:	1	
COUF	RSE SPECIFIFCATION: THEO	RETICAL	AND PRACTICAI	L	\sim				
	C: This course is designed to enable RAL OBJECTIVE 1.0 : Understand					nctions	s of the human bo	dy.	
THEC	DRETICAL CONTENT					PRA	CTICAL CONT	ENT	
Week	Specific Learning Outcome	Teacher ²	's Activities	Re	esources	Spec Outc	ific Learning ome	Teacher's Activities	Resources
1	1.1 Define the terms Anatomy and	Explain D	efine the terms Anate	omy Tex	xtbooks				
	Physiology	and Physic			cture notes				
	1.2 Explain the organizational structure of the human body	-	e organizational stru an body according t	Into	ernet				
	according to:	• Ce	11	Pict	torials				
	• Cell	Tis	ssues	Pro	jector				
	• Tissues		rgans	Ma	rker				
	Organs		stem of the human	Ma	rker board				
	AAT			52				·	·

• System of the human	organism	Charts	\checkmark		
organism				۲ر	
	Explain the following terms				
1.3 Explain the following terms	associated with anatomical				
associated with anatomical	description:				
description:	• Anterior				
• Anterior	• Posterior				
• Posterior	• Medial	\dot{c}			
• Medial	• Lateral				
• Lateral	• Superior				
• Superior	• Interior				
• Interior	• planter	\mathbf{C}			
• planter	• Palmar				
• Palmar	• Proximal				
• Proximal	• Distal	,			
• Distal	• Internal				
• Internal	•External				
• External	• Prone				
• Prone	• Supine				
• Supine	• Coronal.				
• Coronal.	Explains the various cavities of the				
1.4 Explains the various cavities	human body:				
of the human body:					
Cranial	Cranial				
Vertebral	• Vertebral				
• Thoracic	Thoracicabdominal				
abdominal	abdominalpelvic cavities				
 pelvic cavities. 	• pervic cavities				

	ERAL OBJECTIVE: 2.0 Understa	nd the human cell, structure and funct	ions.			
	2.1 Explain the human cell	Explain the human cell	Models,	Draw the diagram of the		Markers
	2.2 Describe a well-labeled	Explain a well-labeled diagram of	Textbooks	human cell	students to: draw the	Marker board
	diagram of the human cell.	the human cell.	Charts	Identify the different components of the cell	diagram of the	Cardboard pap
	2.3 Describe the structure of	Explain the structure of different	Pictorials		human cell and identify the	Exercise book
	different components of the cell.	components of the cell.	Projector			Charts
	2.4 Explain the functions of the	Explain the functions of the	Models		components of	Pictorials
	component of the cell.	component of the cell.	widdels		the cell.	Anatomical
			Lecture notes			Models
			Marker board			Pen
		R	Marker			
NE	RAL OBJECTIVE : 3.0 Know the	different types of human tissues and f	unctions			
	3.1 Define tissue.	Explain tissue.	Models,	Draw the diagram of the	Guide students	Marker
	3.2 Describe a well-labeled diagram of the human tissue	Explain a well-labeled diagram of	Textbooks	tissues	to draw the diagram of the	Marker-board
		the human tissue	Charts		tissues	Cardboard pap
	3.3 Describe the types of Tissue:	Explain the types of Tissue:	Audio visuals			notebook
			aids.			
		Connective	Pictorials			Charts
	• Epithelial	• Epithelial				Charts

	• Nervous and	• Nervous and	Projector	\sim		
	• Muscular Tissue. 3.4 Describe the locations of tissue	• Muscular Tissue.	Lecture notes		7	
j	in the human body.	Explain the locations of tissue in the human body.	Marke- board			
	3.5 Classify each of the four major		Marker			
		Explain each of the four major types of tissues.	Internet			
	3.6 State the functions of the					
C	different types of human tissues.	Explain the functions of the different types of human tissues				
		uniterent types of numun tissues				
		the Cardiovascular system, structure Explain Cardiovascular System	Models	Draw the diagram of the	Guide students	Cardboard pa
	···· = ····· = ···· · ··· · ··· · ··· · · ··· · · · ·		Textbooks	Heart	to:	Marker board
		Explain a well-labeled diagram of	Charts	Identify the instruments	-draw the	Note book
6	diagram of the heart	the heart	Pictorials	for measuring blood	diagram of the	Blood pressu
ſ		Explain the components of the		pressure	heart	instrument
	4.3 Explain the components of the		Projector	Magura blood program	-identify the	Charts
4	4.3 Explain the components of the cardiovascular system.	cardiovascular system.			identify the	Models
4	cardiovascular system.		Lecture notes		instrument for	11000015
4	cardiovascular system. 4.5 Describe the size, shape,	Explain the size, shape, chamber		Detect pulse	instrument for measuring	iviouelis
4	cardiovascular system. 4.5 Describe the size, shape, chamber and location of the		Marker board			
4	cardiovascular system. 4.5 Describe the size, shape,	Explain the size, shape, chamber			measuring	
4	cardiovascular system. 4.5 Describe the size, shape, chamber and location of the	Explain the size, shape, chamber	Marker board		measuring blood pressure	

4.5 Explain the various blood	Explain the various blood vessels:	Internet	blood pressure	
vessels:	• Arteries			
• Arteries	• Veins And		-Detect pulse	
• Veins	Capillaries.			
• Capillaries.				
4.6 Explain the functions of the heart.	Explain the functions of the heart.	Ċ		
	Explain the mechanism of blood			
4.7 Explain the mechanism of blood circulation	circulation			
4.8 Explain the term blood	Explain the term blood pressure and			
pressure and how it is measured	how it is measured	\mathbf{O}^{-}		
4.10 Differentiate between the	Explain between the normal range			
normal range and the abnormal	and the abnormal range of blood			
range of blood pressure in various	pressure in various age groups.			
age groups.	$\mathbf{O}^{\mathbf{v}}$			
4.11 Define the term pulse	Explain the term pulse			
4.12 Explain the main sites of	Explain the main sites of			
the body where it can be	the body where it can be			
detected.	detected.			
	7			

	4.13 Explain the disease conditions associated with cardiovascular/circulatory system.	Explain the disease conditions associated with cardiovascular/circulatory system.		EDIC		
GENI	ERAL OBJECTIVE: 5.0 Understand	I the Digestive system, structures and	functions	N'		
5	 5.1 Define Digestive System 5.2 Describe a well-labeled diagram of the digestive system. 5.3 Explain the organs of the digestive system. 5.4 Describe the structures of the organs of the digestion system: Esophagus Stomach Large and Small Intestine The Liver, Etc. 5.5 Explain the functions of 	Explain Digestive System Explain a well-labeled diagram of the digestive system. Explain the organs of the digestive system. Explain the structures of the organs of the digestion system: • Esophagus • Stomach • Large and Small Intestine • The Liver, Etc.	Models Textbooks Charts Internet Pictorials Projector Lecture notes Marker board Marker Journal	Draw the diagram of the organs of the digestive system.	Guide students to: draw the diagram of the organs of the digestive system.	Cardboard paper Markers Board marker Writing materials Projector Charts Models
	the digestive system.	digestive system. 57				

					TION	
	5.6 Describe the processes of digestion of food	Explain the processes of digestion of food				
	digestion of food					
	5.7 Explain the disease conditions of digestive system.	Explain the disease conditions of digestive system.				
GENI	ERAL OBJECTIVE: 6.0 Understand	I the respiratory system, structures and	I functions			
7-8	6.1 Define respiratory System	Explain respiratory System	Textbooks	Draw the diagram of the		Cardboard paper
	6.2 Describe a well-labeled	Explain a well-labeled diagram of	Charts	respiratory system	to: draw the diagram of the	Markers
	diagram of the respiratory system.		Internet		respiratory	Marker board
	by been.	Evaluin the organs of the requireters	Pictorials		system	Exercise note book
	6.3 Explain the organs of the	Explain the organs of the respiratory system.	Projector			
	respiratory system.					
	6.4 Describe the structures of the	of the respiratory system;	Lecture notes			
	organs of the respiratory	• Lungs,	Marker board			
	system: ●Lungs,		Marker			
	• Trachea	• Bronchus				
	• Bronchus	•Alveoli, etc.				
	• Alveoli, etc.					
	6.5 Explain the functions					
		EQ				
		58				
	Ar.					
	\mathbf{i}					

	of the system	respiratory 1.	Explain the functions of the respiratory system.				
	6.6 Expla mecha respira	nism of	Explain the mechanism of respiration.		EDUC		
	condit	ght the on disease ions of atory system.	Explain the common disease conditions of respiratory system.				
ENEI	RAL OBJEC	CTIVE: 7.0 Understand	I the reproductive system, structures	and functions	-		
10	7.1	Define human reproductive System	Explain human reproductive System	m Textbooks Charts	Draw the diagram of the male and female	to draw the	Cardboard pape Markers
	7.2	Explain male and female reproductive organs.	Explain male and female reproductive organs.	Audio visuals aids. Pictorials	reproductive organs.	diagram of male and female reproductive	Exercise note book Models
	7.3	Explain the structures of the male and female reproductive system	Explain the structures of the male and female reproductive system	Projector Lecture notes		organs.	Charts
	7.4	Explain the functions of	Explain the functions of the organs of the reproductive	Marker board Marker Models			
		the organs of the	system.	Internet			

reproductive system. 7.5 Highlight the disease conditions of reproductive system. ENERAL OBJECTIVE: 8.0 Understan	Explain the disease conditions of reproductive system.	nd functions			
 ENERAL OBJECTIVE. 3.0 Onderstat 1-12 8.1 Define nervous System 8.2 Describe the diagram of neuron 8.3 Explain the central organization of the nervous system: The Central Nervous System The Peripheral Nervous System 8.4 Describe the structures of the nervous system 8.5 Explain the functions of the nervous system 	Explain nervous System Explain the diagram of neuron	Textbooks	Draw the diagram of the nervous system	Guide students to: draw the diagram of the nervous system	Cardboard paper Markers Marker board Exercise note book Charts Models

	8.6 Highlight the disease conditions associated with the nervous system.	Explain the disease conditions associated with the nervous system.		EDUC		
GEN	ERAL OBJECTIVE:9.0 Understan	d the Excretory system, structures	and functions			
13	 9.1 Define Excretory System 9.2 Describe a well-labeled diagram of the human Excretory organs. 9.4 Explain the structure of the organs of Excretory system 9.5 Explain the functions of the organs of the Excretory system described in 9.4 9.6 Explain the disease conditions of Excretory system. 	 Explain Excretory System Explain a well-labeled diagram of the human Excretory organs. Explain the structure of the organs of Excretory system Explain the functions of the organs of the Excretory system described in 9.4 Explain the disease conditions of Excretory system. 	Charts Audio visuals aids. Pictorials Projector Lecture notes Marker board Marker	Draw the diagram of the excretory organs.	Guide students to draw the diagram of the Excretory organs	Cardboard paper Marker board Markers Exercise note book Chart models
GEN	IERAL OBJECTIVE 10.0 Under	stand the homeostatic mechanism o	of the body.			
	AAT	61				

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14	10.1 Define homeostasis.	Explain homeostasis.	Textbooks
	10. 2 Explain the maintenance of the internal homeostasis	Explain the maintenance of the internal homeostasis	Charts Audio visuals aids.
			Pictorials Projector
			Lecture notes Marker board
			Marker Internet
GENI	ERAL OBJECTIVE 11.0 Know t	he body fluids, electrolytes and	acid, base balance
5	11.1 Explain body fluid.	Explain body fluid.	Models
	11.2 State the locations of body		Textbooks
	fluid.	fluid.	Charts
	11.3 Define the following:	Explain the following:	Projector
	ElectrolytesAcid–Base	ElectrolytesAcid–Base Balance.	Marker board
	Acid–Base Balance. 11.4 State examples of:	 Acid=Base Balance. Explain examples of : Electrolytes 	Marker
		6.	2



Electrolytes	Acid–Base Balance.	Internet			
• Acid–Base				Y	
Balance.	Explain the different				
11.5 Describe the different	compositions of body fluid.				
compositions of body fluid.					
	Explain the electrolyte				
11.6Explain the electrolyte composition of body fluid.	composition of body fluid.	\sim			
	Explain the functions of				
11.7Explain the functions of	Electrolytes and Acid–Base				
Electrolytes and Acid–Bas	e Balance				
Balance					
11.8 Explain the hormonal	Explain the hormonal control o				
control of Body fluid.	Body fluid.	\mathbf{v}			
11.9 Explain the components of	f Explain the components of bloo	ď			
blood and their functions.	and their functions.				
11.10 Explain the types of	Explain the types of blood				
blood cells; Red blood cells	cells; Red blood cells and				
and White blood cells	White blood cells				
11.11 Explain the component	Explain the component of				
of plasma – protein.	plasma – protein.				
EVALUATION	2	I	1	1	
CA 30%					
	\checkmark				
EXAMINATION 70%	·				
	63	3			
EXAMINATION 70%					
Y					

YEAR I SECOND SEMESTER

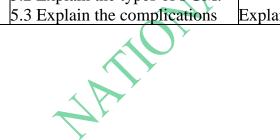
YEAR I SECOND SEMESTER		
PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	ILY HEALTHCARE TECHNOLOG	Y
COURSE: REPRODUCTIVE HEALTH I	COURSE CODE: FHC 121	CONTACT HOURS: 45
	CREDIT UNITS: 3	THEORETICAL: 3
YEAR: I SEMESTER: II	PRE-REQUISITE:	PRACTICAL: 1
GOAL: This course is designed to provide the students	with the basic knowledge of reproduc	ctive health
GENERAL OBJECTIVES: On completion of this course,	the students should be able to:	
1.0 Know the Anatomy and Physiology of the Repro	ductive System	
2.0 Understand Reproductive health		
3.0 Understand Pregnancy process		
4.0 Know how to monitor pregnant mother and under		
5.0 Understand the concept of Female Genital Mutil		
6.0 Know the 'At Risk' pregnant women for prompt	referral	
AATO	64	

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		A (ND) IN FAMILY HEALTHCA				
OURS	SE: REPRODUCTIVE HEALTH	H I COURSE CODE: FHC CREDIT UNITS: 3	2 121	CONTACT HO THEORETICA		
YEAR	: I SEMESTER: II SE SPECIFIFCATION: THEOF	PRE-REQUISITE:		PRACTICAL:	1	
	RAL OBJECTIVE 1.0: Know the RETICAL CONTENT	Anatomy and Physiology of Repr	oductive System	n PRACTICAL CONTI	ENT	
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning Outcome	Teacher's Activities	Resources
-2	1.1 Describe the anatomy and physiology of the male reproductive organs	Explain the anatomy and physiology of the male reproductive organs	Textbooks Models	Draw male and female reproductive organs	students to:	Maker board Maker
	1.2 Describe the anatomy and physiology of the Female reproductive organs such as:	Explain the anatomy and physiology of the Female reproductive organs such as:	Charts Pictorials		Draw male and female reproductive	Chart Models Bistorial
	• vulva, • vagina, • uterus,	• vulva, • vagina, • uterus,	Lecture note		organs	Pictorial
	AT	65				

	 Pelvic floor 		Pictorials
	fallopian tube,ovaries e.t.c		Projector
			Internet
			Marker
			Marker board
GENE	RAL OBJECTIVE: 2.0 Understa	nd Reproductive Health	
3	2.1 Explain the concept of	Explain the concept of	Textbooks
	reproductive health	reproductive health	Models
	2.2 State the principles of reproductive health	Explain the principles of reproductive health	Textbooks
	2. 3 Explain the components of	Explain the components of	Pictorials
	reproductive health	reproductive health	Lecture note
			Pictorials
			Internet
			Projector
	AA		Marker
		66	

					TION	
			Marker board			
GENE	RAL OBJECTIVE: 3.0 Understan	d Pregnancy				
4-5	3.1 Explain pregnancy	Explain pregnancy	Textbooks	Carry out physical examination of a	Guide students to:	Examination couch
	3.2 Describe the processes involved in pregnancy	Explain the processes involved in pregnancy	Models Pictorials	pregnant mother.	carry out physical	Hand gloves
	3.3 Describe the physical examination of a pregnant woman, including	Explain the minor disorders in pregnancy	Lecture notes Pictorials		examination of a pregnant mother.	Fetal stethoscope Stethoscope
	InspectionPalpationauscultation	Explain the physical Examination of a pregnant woman such as	Projector Marker			Sphygmomanom eter
	3.4 Explain the minor disorders in pregnancy	inspectionpalpation	Marker board			
	in pregnancy	auscultation	Charts Internet			
		Explain the minor				
		disorders in pregnancy				
GENE	RAL OBJECTIVE: 4.0 Know how	w to monitor pregnant mother and u	understand the c	concept of infertility		
L	AAIO	67				

					r1017	
6-7	4.1 Explain the concept of	Explain the concept of	Textbooks	Demonstrate the A	Guide	
	Antenatal care	Antenatal care		physical Examination	students to:	Stethoscope
	4.2 Define labour		Models	of a pregnant woman		Thermometer
		Explain labour	Pictorials		carry out	
	4.3 Explain stages of labour	Explain stages of labour		Demonstrate the	physical	Fetal
	4.4 Define post-natal care.	Explain stages of labour	Lecture notes	management of labour		stethoscope
			Projector		of a pregnant	Baby scale
	4.5 Explain management of the	Explain post-natal care.			woman	Sphygmomanom
	mother and new born.		Marker		Demonstrate	eter
	4.6 Describe common issues	Explain management of the mother and new born.	Marker board		management	
	during lactation.	mother and new born.	Warker Joard		of pregnant	Demonstration
		Explain common issues	Charts		mother	room
	4.7 Define infertility.	during lactation.				Items for
			Internet			delivery
	4.8 Explain the causes of	Explain infertility.				· ·
	infertility.	Explain the causes of				Couch
	4.9 Explain the management of	infertility.				
	infertility					
		Explain the management of				
		infertility	r ,•1 ,•			
GENE	KAL OBJECTIVE: 5.0 Understan	d the concept of Female Genital M	iutilation			
8	5.1 Define Female Genital	Explain Female Genital	Textbooks			
0	Mutilation (FGM)	Mutilation (FGM)	TEALUOUKS			
	5.2 Explain the types of FGM.		Models			
		Explain the types of FGM.				



			TION
	of FGM.		Pictorials
		Explain the complications of FGM.	Lecture notes
			Pictorials
			Projector
			Marker
			Marker board
			Charts Internet
GENE	RAL OBJECTIVE: 6.0 Know the	'At Risk' pregnant women for pro	mpt referral
9-15	6.1 Explain the 'At Risk'	Explain the 'At Risk' pregnant	Textbooks
	pregnant women for prompt referral	women for prompt referral	Models
	6.2 Explain the signs of 'At	Explain the signs of 'At Risk'	Pictorials
	Risk' pregnant women.	pregnant women.	Lecture notes
	6.3 Explain regular screenings	Explain regular screenings for	Pictorials
	for conditions such as	conditions such as gestational	Projector
	gestational diabetes, hypertension, and multiple	diabetes, hypertension, and multiple pregnancies etc.	Marker
	pregnancies etc.		



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6.4 State first aid measures For the 'At Risk' pregnant women.	Explain first aid measures For the 'At Risk' pregnant women.	Marker board Charts Internet	FDUCK		
EVALUATION					
EXAMINATION 70%	FOR				
	RD'				

PROGRAMME: NATIONAL DIPLOMA (ND) IN FA	AMILY HEALTHCARE TECHNOI	LOGY
COURSE: BASIC HUMAN NUTRITION	COURSE CODE: FHC 122	CONTACT HOURS: 45
	CREDIT UNITS: 3	THEORETICAL: 2
YEAR: I SEMESTER: II	PRE-REQUISITE:	PRACTICAL: 1
GOAL : This course is designed to equip the student with	the knowledge and skills to provide n	utritional services
GENERAL OBJECTIVES: On completion of this cour	se, the students should be able to:	
1.0 Understand the concept of basic human nutrition		
2.0 Understand comprehensive nutritional services	A Company	
3.0 Understand nutritional disorder	í, O'	
4.0 Understand the concepts of food hygiene		
5.0 Understand the factors affecting preservation of food		
6.0 Understand food borne diseases	5	
7.0 Understand the national and international food regula	tory standard	
7.0 Understand the national and international food regula		
	71	

PROG	RAMME: NATIONAL DIPLOM	1A (ND) IN FAMILY HEALTHCA	RE TECHNOL		ATION A	
COUR	SE: BASIC HUMAN NUTRITIC	ON COURSE CODE: FHC	2 122	CONTACT HO	URS: 45	
		CREDIT UNITS:		THEORETICA	L: 2	
YEAR	: I SEMESTER: II	PRE-REQUISITE:	6	PRACTICAL:	1	
COUR	SE SPECIFIFCATION: THEO	RETICAL AND PRACTICAL				
GOAI	.: This course is designed to equip t	the student with the knowledge skills d the concept of basic human nutrition	XY	onal services		
THEO	DRETICAL CONTENT			PRACTICAL CONTI	ENT	
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning Outcome	Teacher's Activities	Resources
	1.1 Define basic human nutrition	Explain basic human nutrition	Textbook	Identify classes of food	Show the	Sample of classes
1	1.2 Explain classes of food and its functions	Explain classes of food and its functions	Charts Internet	and its functions.	students different classes of food	of food. Charts
	1.3 Explain the importance of adequate nutrition	Explain the importance of adequate nutrition	Marker			Demonstration table.
	AA		Marker board Projector			
		72				

	ERAL OBJECTIVE : 2.0 Understan	d comprehensive nutritional services				
4	 comprehensive nutrition services in the clinic and home, including: Nutritional assessment Appropriate history and management of children with abnormal growth, causes according to Standard 2.2 Explain how to give feedback to the health team on growth monitoring and other nutritional activities Encouraging exclusive breast feeding Teaching food handlers (Vendors and caterers) on food hygiene and adequate diet 	 Explain how to provide comprehensive nutrition services in the clinic and home, including: Nutritional assessment Appropriate history and management of children with abnormal growth courses according to Standard Explain how to give feedback to the health team on growth monitoring and other nutritional activities Encouraging exclusive breast feeding Teaching food handlers (Vendors and caterers) on food hygiene and adequate diets Screening pregnant women on nutritional activities 	Textbook Charts Marker Marker board Projector Internet	Carry out nutrition assessment	to carry out nutritional assessment.	Mid Upper Arn Circumference (MUAC) Stripe Weighing Scale Anthropometric
	ERAL OBJECTIVE: 3.0 Understand					
5	3.1 Define malnutrition	Éxplain malnutrition	Textbooks			
	3.2 Outline illnesses caused	Explain illnesses caused by	Charts			



	as;	• kwashiorkor,	Pictorials			
	 kwashiorkor, marasmus,	marasmus,anemia,	Diagrams		Y	
	• anemia,	• Beri-beri	Marker board			
	Beri-beriDehydration	 Dehydration endemic goiter	Marker			
	endemic goiterEtc.	• Etc.	Projector			
			Internet			
ENE	RAL OBJECTIVE : 4.0 Understand	the concepts of food hygiene		1		
	4.1 Define food hygiene	Explain food hygiene	Textbooks			
	4.2 Trace the history of food	Explain the history of food hygiene	Charts			
}	hygiene	Explain the importance of food	Pictorials			
	4.3Explain the importance of food Hygiene.	Hygiene.	Diagrams			
	4.4 Explain food poisoning	Explain food poisoning Explain types of food poisoning	Marker board			
	4.5 Mention types of food poisoning	Explain symptoms of food	Marker			
	4.6 Outline symptoms of food	poisoning	Projector			
	poisoning		Internet			
ENE	RAL OBJECTIVE: 5.0 Understand	the factors affecting preservation of	food			<u> </u>

	5.1 Explain food preservation	Explain food preservation	Textbooks
	5.2 Explain the various types of food preservation e.g. refrigeration, drying,	Explain the various types of food preservation e.g. refrigeration, drying, canning,	Charts Pictorials
9-10	canning, osmotic	osmotic preservation e.t.c	Diagrams
	preservation e.t.c	Explain the factors influencing the	Marker board
	5.3 Describe the factors influencing the effective	effective use of preservative	Marker
	use of preservative	Explain food coloring, additives, and food package labels	Projector
	5.4 Discuss food coloring,		Internet
	additives, and food package labels		
		R'	
GENE	RAL OBJECTIVE: 6.0 Understand	d food borne diseases	
11-12	6.8 Explain food borne diseases;	Explain food borne diseases;	Lecture note
	• causes	• causes	Projector
	• signs and symptom	• signs and symptom	Textbooks
	6.9 Explain management of food borne disease by	Explain management of food borne	Pictorials
	household and food	disease by household and	Internet
	vendors.	food	
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	6.3 Explain prevention of food borne diseases.	vendors. Explain prevention of food borne diseases.	Marker board Marker	JUC I		
GENE	RAL OBJECTIVE: 7.0 Understand	d the national and international food r	egulatory standard			
13-15	7.1 Explain the standard of food regulatory agencies such as Food and Agricultural Organisation (FAO), World Health Organisation (WHO), NAFDAC etc.	Explain the standard of food regulatory agencies such as Food and Agricultural Organisation (FAO), World Health Organisation (WHO), NAFDAC etc.	Projector Textbook Lecture note Chart Marker board Marker internet			
E	VALUATION					
C.	A 30%					
E	XAMINATION 70%	BOUR				
	AAIONA	76				

PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	ILY HEALTHCARE TECHNOLOG	Y
COURSE: FAMILY HEALTHCARE ETHICS	COURSE CODE: FHC 123	CONTACT HOURS: 30
	CREDIT UNITS: 2	THEORETICAL: 2
YEAR: I SEMESTER: II	PRE-REQUISITE:	PRACTICAL: 0
GOAL : This course is designed to enable the students know	the importance of medical and professi	onal ethics in family health care delivery system.
GENERAL OBJECTIVES: On completion of this course,	the students should be able to:	
1.1 Understand the concept of Ethics in Family Heat2.0 Understand the principle of Ethics in Family Heat		
 3.0 Understand informed consent as it relates to fam 4.0 Understand legal implications in family healthca 	ily healthcare practice	
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PROG	RAMME: NATIONAL DIPLOM	IA (ND) IN FA	AMILY HEALTHC	CARE TECHNOL	OGY			
COUR	SE: FAMILY HEALTHCARE ET	THICS C	OURSE CODE: FH	IC 123		CONTACT HO	OURS: 30	
		C	CREDIT UNITS: 2		4	THEORETICA	AL: 2	
YEAR	: I SEMESTER: II	P	RE-REQUISITE:	Ċ		PRACTICAL:	0	
COUR	SE SPECIFIFCATION: THEOF	RETICAL AN	ND PRACTICAL			<u> </u>		
GOAL	: This course is designed to enable	the students kr	now the importance of	of medical and prof	essiona	d ethics in family	health care deliv	very system.
GENER	RAL OBJECTIVE 1.0: Understand	the concept o	of Ethics in Family H	ealthCare				
	RETICAL CONTENT	1			PRA	CTICAL CONT	ENT	
		1					-	
Week	Specific Learning Outcome	Teacher's A	ctivities	Resources	Spec	ific Learning	Teacher's Activities	Resources
					Outo	come		
1-2	1.1 Define ethics	Define ethics	s	Textbooks,				
		Explain the si	7	Charts,				
	-	professional e		Internets				
	1.3 Explain Historical evolution of ethics	Explain Histo ethics	rical evolution of	Marker-board				
				Marker				
	AF.			Journal				
			78	3				

		-	
			Projector Lecture note
GENE	RAL OBJECTIVE: 2.0 Understand	the principles of ethics	
GENE 3-4	 2.1 Explain the following principles of ethics: Autonomy Beneficence Non-maleficence Justice Confidentiality 2.2. Explain Ethical theories in healthcare	 Explain the following principles of ethics: Autonomy Beneficence Non-maleficence Justice Confidentiality Explain Ethical theories in healthcare 	Textbooks, Charts, Internets and Marker-board Marker Journal Projector Lecture note
GENE	RAL OBJECTIVE: 3.0 Understan	d informed consent as it relates to	family healthcare practice
5-6	3.1 Define Consent	Explain Consent	Textbooks,
	3.2 Explain types of consent	Explain types of consent	Charts,
	3.3 Explain informed consent	Explain informed consent	Internets and
	3.4 Explain the importance of informed consent	Explain the importance of informed consent	Marker-board
	AATIE	79	

	3.5 Explain share DecisionMaking	Explain share Decision-Making	Marker
	 3.6 Explain the Principles of Shared Decision-Making such as: Autonomy Information Sharing Collaboration 	 Explain the Principles of Shared Decision-Making such as: Autonomy Information Sharing Collaboration 	Journal Projector Lecture note
GENE	RAL OBJECTIVE: 4.0 Understand	l legal implications in family health	icare
7-15	implications:NegligenceBattery and AssaultDefamation etc	Explain the concept of legal implication in family healthcare Explain the following medical malpractices and their legal implications: Negligence Battery and Assault Defamation etc	Textbooks, Charts, Internets and Marker-board Marker Projector Journal Lecture note
	AAIONA	8	0

PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	ILY HEALTHCARE TECHNOLOG	Y
COURSE: CLINICAL SKILLS 1	COURSE CODE: FHC 124	CONTACT HOURS: 45
	CREDIT UNITS: 3	THEORETICAL: 2
		Y
	PRE-REQUISITE:	PRACTICAL: 1
YEAR: I SEMESTER: II		
GOAL: This course is designed to promote and facilitat	e educational clinical experience in a	n immersive learning environment
GENERAL OBJECTIVES: On completion of this course,	the students should be able to:	
GENERAL OBJECTIVES. On completion of this course,	the students should be able to.	
1.0 Understand the basic concepts and theories relevant to	the health service practice.	
2.0 Understand the principles of interviewing3.0 Understand the principles of physical examination of	clients	
4.0 Know how to monitor clients' vital signs		
5.0 Know the procedure for tepid sponging		
6.0 Know how to prepare and administer salt, sugar, solu		, (ORS).
7.0 Understand the principles of aseptic technique in clin8.0 Know the procedure involved in wound dressing	ical procedures.	
8.0 Know the procedure involved in wound dressing9.0 Know the components of cold chain.		
10.0 Understand immunization schedule.		
	S	
11.0 Know various routes of administration of medication		
	91	
	81	

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PROG	GRAMME: NATIONAL DIPLOM	IA (ND) IN FAMILY HEALTHCA	RE TECHNOL	OGY) *	
COUF	RSE: CLINICAL SKILLS 1	COURSE CODE: FHC	124	CONTACT HO	OURS: 45	
		CREDIT UNITS: 3		THEORETIC	AL: 2	
YEAR	R: I SEMESTER: II	PRE-REQUISITE:	Ċ	PRACTICAL:	1	
COUF	RSE SPECIFIFCATION: THEO	RETICAL AND PRACTICAL				
GOAI	: This course is designed to pr	omote and facilitate educational cl	inical experient	ce in an immersive lear	rning environm	ent
GENEI	RAL OBJECTIVE 1.0: Understand	I the basic concepts and theories relev	ant to the health	service practice		
THEC	DRETICAL CONTENT			PRACTICAL CONT	TENT	
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning Outcome	Teacher's Activities	Resources
	1.1 Define health.	Explain health.	Internet			
	1.2 Explain the rationale of health	Explain the rationale of health	Marker board			
	1.3 Explain the roles of family	Explain the roles of family	Marker			
1	healthcare technology practitioners in providing health	healthcare technology practitioners in providing health services	Lecture notes			
	services delivery.	delivery.	Projector			
	1.4 Identify basic needs of client	Identify basic need of client within				

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	within various communities	various communities Differentiate between health				
	wellness, illness and diseases.	wellness, illness and diseases.				
	1.6 Explain the health/illness Condition	Explain the health/illness Condition				
Nŀ	ERAL OBJECTIVE: 2.0 Understan	d the principles of interviewing				1
	2.1 Describe the procedure for	Explain the procedure for	Internet	Demonstrate	Guide students	Client Chart
	interviewing a client.	interviewing a client.	Marker	interviewing and	to demonstrate	
	2.2 Explain the needs to	Explain the needs to communicate		recording information	interviewing	
	communicate with a client in a	with a client in a Language he/she	Marker board	from a client	and recording	
	Language he/she understands.	understands.	Lecture notes		information	
	2.3 Describe the process of	Explain the process of establishing	Projector		from a client	
	establishing good rapport with	good rapport with Clients.	1 10 jector			
	Clients.	Explain the need to make a client	Journals			
	2.4 Explain the need to make a	comfortable during an interview.				
	client comfortable during an					
	interview.	Explain the techniques for overcoming language barrier during				
	2.5 Explain the techniques	the interview with client.				
	for overcoming language					
	barrier during the interview					
TT	with client.					
NE	ERAL OBJECTIVE: 3.0 Understan	d the principles of physical examination	on of client			
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		83				

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	3.1 Describe the process of	Explain the process of physical	Textbooks	Carry out physical 🗡 🏹	Guide students	Trolley
	physical examination of a client.	examination of a client.	Modala		to:	Tray
	3.2 Explain the need for each of the processes described in 3.1	Explain the need for each of the processes described in 3.1 above.	Marker	to laid down rules Prepare 		Couch
	above.	Explain various positions for	Marker board	trolley/tray for	according to the laid down	Hand Gloves
	3.3 Identify various positions for physical examination	physical examination	Charts	examination	rules	
	3.4 Identify various methods of	Explain various methods of carrying out physical examination as:			• Prepare trolley/tray	
	us. (inspection, pulpitation,	(inspection, palpitation, auscultation and Percussion).	Projector Internet		for physical examination	
	auscultation and Percussion).					
ENF	ERAL OBJECTIVE: 4.0 Know how	to monitor clients' vital signs	×			
	4.1 Define vital signs	Explain vital signs	Textbooks	Identify instruments	Guide students	Thermometer
	4.2 Describe vital signs	Explain vital signs	Models	various vital Signs	to identify instruments	
		Explain abnormal signs and causes	Marker		used for assessing the	Sphygmomanom
		Explain four components of vital	Marker boards	Identify the various sites	various vital	ter
	4.4 Describe four components of vital signs	signs	Charts	used in assessing the various vital Signs	Signs	Stethoscope
	4.5. Describe instruments used for	Explain instruments used for assessing vital Signs.	Picture	Measure vital signs and		
	assessing vital Signs.			interpret their results	Guide students to identify the	
	4.6 Describe the sites used in				various sites	
		84				

	assessing vital Signs. 4.7 Explain how to monitor vital sign	Explain the sites used in assessing vital Signs. Explain how to monitor vital sign	Internet		used in assessing the various vital Signs	
				ALEN	Guide student to measure vital signs and interpret their results	
ENF	ERAL OBJECTIVE: 5.0 Know the		CH .			
	5.1 Explain tepid water5.2 Identify the equipment fortepid sponging	Explain tepid water Explain the equipment for tepid sponging	Textbooks Charts Instrument	Identify the equipment	to carry out tepid sponging	Bowl Towel Luke warm wate
	5.3 Explain reasons for tepid Sponging	Explain reasons for tepid Sponging	Models	for tepid sponging		Tray
	5.4 Explain the procedures and principles involved in tepid	Explain the procedures and principles involved in tepid	Marker board Marker			Trolley Mackintosh
	sponging	sponging	Projector			
ENE	ERAL OBJECTIVE 6.0 Know how	to prepare and administer salt, sugar,	solution (SSS) a	nd oral rehydration solution	on (ORS).	I
		85				

	6.1 Explain SSS and ORS	Explain SSS and ORS	Textbooks	Identify materials for	Guide students	Salt
	6.2 Identify the materials used in preparation of salt, sugar Solution	Explain the materials used in preparation of salt, sugar Solution	Charts	preparation of SSS Prepare SSS to the	to: Identify	Sugar Sterile water
	(SSS) 6.3 list the components of salt,	(SSS) Explain the components of salt,	Marker Marker board	correct strength Demonstrate	materials for preparation of SSS	Bowl/jug
	sugar solution: 6.4 Identify the needs for	sugar solution: Explain the needs for	Projector Chart	administering SSS Demonstrate how to	Prepare SSS to the correct	Bottle Teaspoon e.t.c
	administration of salt, sugar Solution.	administration of salt, sugar Solution.	Internet	prepare and administer SSS	strength	
					Demonstrate administering SSS	
		FOR			Demonstrate teaching how to prepare and administer SSS	
NEF	RAL OBJECTIVE: 7.0 Know how	to prepare and administer salt, sugar	, solution (SSS) a	nd oral rehydration soluti	on (ORS).	
	7.1 Define aseptic techniques, sterilization and disinfection.	Explain aseptic techniques, sterilization and disinfection.	Textbooks Charts	Demonstrate the contents of packs for various procedures.	Guide students to:	Autoclave Sterile drums
	7.2 Explain the concept of aseptic technique.	Explain the concept of aseptic technique.	Marker	(e.g., injection packs, dressing pack, e.t.c)	Identify the contents of packs for	Metal instrumer
	7.3 Describe the method of	Explain the method of sterilization	Marker board		various	packs

	 (Physical/chemical) 7.4 Describe the method of disinfection, concurrent, Terminal e.t.c 7.5 Describe the contents of packs for various procedures. (e.g. injection packs, dressing pack, 	of instrument, Equipment and materials (Physical/chemical) Explain the method of disinfection, concurrent, Terminal e.t.c Explain the contents of packs for various procedures. (e.g. injection packs, dressing pack, e.t.c)	Ċ	equipment and materials	procedures. (e.g., injection packs, dressing pack, (e.t.c) Sterilize instruments, equipment and materials	Mask Gloves Gowns
	e.t.c)		Chr		Demonstrate the use of mask, gloves and gowns.	
NER	AL OBJECTIVE: 8.0 Know the p	procedure involved in wound dressing	;			
		procedure involved in wound dressing Explain wound	Textbooks		Guide students	Tray
	 8.1 Explain wound 8.2 Describe types of wounds (incise, puncture, lacerated and confused). 8.3 Identify the classes of wound 		Textbooks Charts Marker Marker board	Describe the principles and techniques of wound dressing	Guide students to: Describe the principles and techniques of wound	Tray Spirit, salvon Sterile swaps Wound dressing packs

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				wound dressing 💦 🔨	wound	Trolley beds
					dressing	
					Dress wound applying	Tourniquet
				Dress wound applying	aseptic	
			Ċ	aseptic techniques	techniques	
				Care for drains in	Care for drains	
				wound	in wound	
					Remove	
					sutures and	
				Remove sutures and	clips from	
				clips from wounds	wounds	
		FOL			Apply tourniquet to	
				Apply tourniquet to bleeding limbs	bleeding limbs	
ENF	CRAL OBJECTIVE :9.0 Know the co	omponents of cold chain.		-		
	9.1 Explain cold boxes and their	Explain cold boxes and their uses	Textbooks	Identify cold boxes and	Guide students	Vaccine carrier
	uses		Charts	their uses	to :	Thermometer
	9.2 Identify contents of cold box	Explain contents of cold box	Maultan	Demonstrate	Identify cold	Ice pack
	9.3 Define the cold chain	I		maintaining a cold chain	poxes and their	vaccine
		88				
	2k					

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	system	Explain the cold chain system	Marker board Projector Internet	system	uses Demonstrate maintaining a cold chain system	
ENEF	AL OBJECTIVE 10.0 Understand	l immunization schedule.		A		
10-11	10.2 list the types of immunity10.3 Explain the factors thataffect immunity10.4 Identify the various routes foradministering vaccines.	Explain the types of immunity Explain the factors that affect immunity Explain the various routes for administering vaccines.	Textbooks Charts Marker Marker board Projector Internet	Draw immunization schedule Identify the various routes for administering vaccines	Draw	Chart Vaccine
	OTA				Demonstrate aseptic technique in	
	AA	89				

					TION	
					Immunization	
GENEI	RAL OBJECTIVE 11.0 Know vari	ous routes of administration of medic	eations		/	
12-15	administering medications 11.2 Describe the various methods of administering injection 11.3 Identify the equipment needed for the various method of Iniection.	Explain various routes of administering medications Explain the various methods of administering injection Explain the equipment needed for the various method of Injection. Explain the sites of injection	Charts Marker Marker board Projector Internet	Identify various routes of administering injections Identify the various methods of administering injection Identify the equipment needed for the various method of Injection. Identify the sites of injection	Guide students to: Identify the sites of injection Demonstrate administering injection by aseptic techniques	Glove, swaps Needle and syringe Drugs Cotton wool Tray Trolleys Kidney dish Spirit Screen Dispensing spoon Gallipot
C.	VALUATION A 30% XAMINATION 70%	90				

LY HEALTHCARE TECHNOLOG	AY CARACTER STATE
COURSE CODE: FHC 125	CONTACT HOURS: 45
CREDIT UNITS: 3	THEORETICAL: 2
PRE-REQUISITE: FHC 115	PRACTICAL: 1
know the organization, structure an	d functions of the human body.
e, the students should be able to: functions ons tions tions functions	
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	COURSE CODE: FHC 125 CREDIT UNITS: 3 PRE-REQUISITE: FHC 115 know the organization, structure an e, the students should be able to: functions ons tions functions

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PROC	RAMME: NATIONAL DIPLOM	A (ND) IN FAMILY HEALTHCA	RE TECHNOL			
COUR	SE: ANATOMY AND PHYSIC	DLOGY II COURSE CODE: FHC	125	CONTACT HO	URS: 45	
		CREDIT UNITS:3		THEORETICA	L:2	
YEAR	: I SEMESTER: li	PRE-REQUISITE: FH	C 115	PRACTICAL:	1	
COUR	SE SPECIFIFCATION: THEOR	RETICAL AND PRACTICAL				
GOAL	• This course is designed to enab	le the students to know the organiz	vation structure	and functions of the hu	iman body	
			<u> </u>		iniun oouy.	
	RAL OBJECTIVE 1.0: Understar RETICAL CONTENT	nd the Lymphatic system, structure	s and functions	PRACTICAL CONTI	זאיז	
	KETICAL CONTENT			PRACTICAL CONTI		
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning	Teacher's	Resources
				Outcome	Activities	
	1.1 Define Lymphatic System	Explain Lymphatic System	Textbooks	Draw the organs of	Guide	Markers
1-2	1.2 Explain the components of	Explain the components of the	Charts	the Lymphatic system	students to: draw the	Marker board
	the Lymphatic system.	Lymphatic system.	Audio visuals		diagram of	Cardboard paper
			aids.		the	Notebook
	1.3 Explain the general functions of the Lymphatic	Explain the general functions of the Lymphatic system including	Pictorials		Lymphatic stem	Models
	system including	Absorption, Fluid Balance	Projector		stem	Charts
	Absorption,	• Immune System				
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	Fluid Balance	Explain the diseases associated	Lecture notes			
	• Immune System	with the Lymphatic system.	Marker board		¥	
	1.4 Highlight the diseases		Marker			
	associated with the Lymphatic system.		Internet			
EN	ERAL OBJECTIVE: 2.0 Understa	nd the skeletal system, structures a	nd functions	P		
4	2.1 Define skeletal System	Explain skeletal System	Textbooks	Draw the diagram of	Guide	Flip book
	2.2 Describe the skeletal	Explain the skeletal system.	Charts	the human skeleton.	students to draw the	Markers
	system.		Audio visuals aids.		diagram of	Marker board
	2.3 Explain the division of the	Explain the division of the	Pictorials		the human skeleton	Cardboard pa
	skeletal system: the axial and the appendicular skeletal.	skeletal system: the axial and the appendicular skeletal.	Projector			Exercise note book
	2.4 Explain the components of	Explain the components of the	Lecture notes			Charts
	the skeletal system.	skeletal system.	Marker board			Models
	2.5 Describe the structures of	Explain the structures of the	Marker			
	the skeletal system.	skeletal system.	Internet			
	2.6 Explain the functions	Explain the functions of				
	of the skeletal system.	the skeletal system.				
		Explain the disorder of				



					TION	
	2.7 Highlight the disorder of skeletal system.	skeletal system				
GENE	ERAL OBJECTIVE: 3.0 Understan	d the muscular system, structures a	and functions			
5-7	3.1 Define muscular System	Explain muscular System	Textbooks	Draw the diagram of	Guide	Flip book
	3.2 Describe the muscular	Explain the muscular system.	Charts Audio visuals	the human muscles.	students to draw the	Markers
	system.	Explain the components of the	aids.		diagram of the human	Marker board
	3.3 Explain the components of	muscular system.			muscles.	Cardboard pape
	the muscular system.		Pictorials			Exercise note
		Explain the structures of the	Projector			book
	3.4 Describe the structures of the muscular system.	muscular system.	Lecture notes			Charts
		Explain the functions of	Marker board			Models
	3.5 Explain the functions of the muscular system.	the muscular system.	Marker			
		Explain the disease conditions	Internet			
	3.6 Highlight the disease	associated with muscular system.				
	conditions associated with	$\mathbf{\nabla}$				
	muscular system.					
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GENEI	RAL OBJECTIVE: 4.0 Understan	d the endocrine system, structures	and functions			
-9	 4.1 Define endocrine System 4.2 Describe a well-labeled diagram of the endocrine system. 4.3 Explain the components of the endocrine system. 4.4 Describe the structures of the endocrine system 4.5 Explain the functions of the endocrine system. 4.6 Highlight the disease conditions of endocrine system. 	Explain endocrine System Explain a well-labeled diagram of the endocrine system. Explain the components of the endocrine system. Explain the structures of the endocrine system	A HALLS	Draw the diagram of the endocrine organ	Guide students to draw the diagram of the endocrine system	Cardboard pape Markers Marker board Exercise note book Charts Models
ENEI	RAL OBJECTIVE: 5.0 Understan	d the integumentary system, comp	onents and func	tions		
0-11	5.1 Define the integumentary System.	Explain the integumentary System.	Textbooks Charts Audio visuals	Draw the diagram of the skin	Guide students to: draw the diagram of	Cardboard paper Markers

					the skin	Markenkaard
	5.2 Describe a well label diagram of the skin	Explain a well label diagram of the skin	aids. Pictorials Projector	a pil	the skin	Marker board Exercise note book Charts
	5.3 Describe the structures of integumentary system.	Explain the structures of integumentary system.	Lecture notes Marker board	AL		Models
	5.4 Explain the functions of integumentary system	Explain the functions of integumentary system	Marker Internet			
	5.5 Highlight the disease conditions of integumentary system.	Explain the disease conditions of integumentary system.				
	RAL OBJECTIVE: 6.0 Understan		1		1	1
2-15	 6.1 Describe the senses of the human body 6.2 Explain the sense organs of the human body: Eye Ear Nose 	Explain the senses of the human body Explain the sense organs of the human body: Eye Ear	Textbooks Charts Audio visuals aids. Pictorials	Draw the diagram of sense organs	Guide students to: draw the diagram of sense organs	Cardboard pape Markers Marker board Exercise note book Charts
	Tongue	• Nose 96				

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Skin	• Tongue	Projector	\sim	Models
6.3 Describe a well-labeled diagram of the sense organs	• Skin Explain a well-labeled diagram of	Lecture notes Marker board	AND IN	
	the sense organs	Marker	\mathbf{v}	
6.4 Explain the functions			\checkmark	
of the sense organs		Internet		
6.5 Highlight the disorders				
associated with the sense				
organs.				
-Test - Class presentation -Assignments 40% Examination	NRD FOR			

PROGRAMME: NATIONAL DIPLOMA (ND) IN FA	MILY HEALTHCARE TECHNOI	LOGY
COURSE: ACCIDENT AND EMERGENCY	COURSE CODE: FHC 126	CONTACT HOURS: 30
	CREDIT UNITS: 3	THEORETICAL: 1
YEAR: I SEMESTER: II	PRE-REQUISITE:	PRACTICAL: 1
GOAL: This course is designed to equip the student with	the knowledge and skills to manage fa	mily emergencies.
 GENERAL OBJECTIVES: on completion of this could 1.0 Understand the term Accident and Emergency 2.0 know the types of emergency conditions 3.0 Know how to prevent accident at home and in the Could 4.0 Know how to manage emergency conditions 5.0 Understand the role of airway, breathing and circulation 	mmunity	
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PROG	RAMME: NATIONAL DIPLON	MA (ND) IN FAMILY HEALTHO	CARE TECHNOI	LOGY)	
COUR	SE: ACCIDENT AND EMERGE	ENCY COURSE CODE: FH	IC 126	CONTACT HO	OURS: 30	
		CREDIT UNITS: 2		THEORETICA	AL: 1	
YEAR:	I SEMESTER: II	PRE-REQUISITE:		PRACTICAL:	1	
COUR	SE SPECIFIFCATION: THEO	RETICAL AND PRACTICAL				
GOAL	this course is the designed to equ	ip the student with the knowledge a	nd skills to manag	e emergency		
ENER	AL OBJECTIVE 1.0: Understan	d the term Accident and Emergency				
	RETICAL CONTENT			PRACTICAL CONT	TENT	
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning Teacher's Resources		
VCCK	Specific Learning Outcome	Teacher's Activities	Resources	Outcome	Activities	Resources
	1.1 Define the term	Explain the term accident and	Lecture note.	Identify the various	Guide the	First aid box
-2	accident and emergency	Emergency	Projectors	equipment inside the first aid box	students to identify the	
	1.2 Define first aids	Explain First Aids	Marker		various	
			maker board		equipment inside the first	
	1.3 explain the rules of first aid	Explain the rules of first aid	Internet		aid box	
	or mist aid		Journals			
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	1.4 Explain standard first aid box	Explain the content of a standard first aid box	Textbook
	1.5 Identify the content of a standard first aid box	Explain the use of the contents of a standard first aid box	
	1.6 Explain the use of the contents of the standard first aid box	Explain the use of the contents of the standard first aid box	
GENE	CRAL OBJECTIVE : 2.0 know the	types of emergency conditions	
	2.1 List the types of emergency conditionsShock	Explain the types of emergency conditions • Shock	Lecture notes Projector
	FractureBurnsHaemorrhage	FractureBurnsHaemorrhage	Internet Textbook
3-5	WoundAsphyxia	WoundAsphyxia	Marker
	• Snake bite (etc)	• Snake bite (etc)	Maker board
	2.2 Discuss each above emergency in 2.1	Explain each emergency under the following:	
	under the following: • Definition	Definition	
	• Types	• Types Signs and symptoms	
		100	

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	Signs and symptoms					
GENE	RAL OBJECTIVE: 3.0 Know How	to Prevent Accidents at Home and ir	the Community			
6-7	 3.1 Discuss accidents preventive measures at home and in the community Keep the environment clean Keep the medicine in locked cupboard Avoid alcohol e.t.c 	 Explain accidents preventive measures at home and in the community Keep the enviroment clean Keep the medicine in locked cupboard Avoid alcohol 	Lecture note Projector Marker-board Marker Internet Textbook			
GENE	RAL OBJECTIVE: 4.0 Know how	to manage Accident and Emergency	Conditions			
8	4.1 Explain types of accidents4.2 Explain how to manage Accidents	Explain types of accident Explain how to	Lecture note Projector	Demonstrate how to manage accidents and emergency	manage	First Aid Box Personal Protective
	4.3 Explain how to manage emergency	Manage Accidents Explain how to manage emergency	Textbook Marker		accidents and emergency	Equipment Fire Extinguisher
	JATU	101				

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			Maker board			
ENE	CRAL OBJECTIVE: 5.0 Understa	nd the role of airway, breathing and c	firculation (ABC) i	n accident and emergency	У	
15	 5.1 Explain how the following roles could be performed; i. Opening the victim's airway ii. Provide rescue breathing iii. Perform chest compression to restore blood circulation. 5.2 Identify the component of airway, breathing and circulation approach in emergency care. 	 Explain how the following roles could be performed; i. Opening the victim's airway ii. Provide rescue breathing ii. Perform chest compression to restore blood circulation. 5.2 Identify the component of airway, breathing and circulation approach in emergency care	Lecture notes Projector Textbook Internet Marker Maker board	Carry out ABC role successfully	Guide students to carry out ABC role successfully	Spatula Hand gloves Towel/Hankie Bandage
C	EVALUATION CA 30% EXAMINATION 70%	BOAR				
	ATION	10	2			

YEAR II SEMESTER I

PROGRAMME: NATIONAL DIPLOMA (I	ND) IN FAMILY HEALTHCARE TECHNOL	LOGY
COURSE: REPRODUCTIVE HEALTH II	COURSE CODE: FHC 211	CONTACT HOURS: 45
	CREDIT UNITS: 3	THEORETICAL: 2
YEAR: II SEMESTER: I	PRE-REQUISITE:	PRACTICAL: 1
GOAL : This course is designed to provide the	student with the necessary knowledge and skills	needed to understand the maternal and child health
GENERAL OBJECTIVES : on completion of	f this course, the students should be able to:	
 1.0 Understand the concept of maternal heal 2.0 Know fatal development 3.0 Understand the meaning of abortion, imit 4.0 Understand child health 5.0 Understand adolescent health 6.0 Understand Family Planning 	munization in pregnancy and management of labo	Dur
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	RAMME: NATIONAL DIPLON SE: REPRODUCTIVE HEALTH	IA (ND) IN FAMILY HEALTHC		OGY CONTACT HO	DURS: 45	
		CREDIT UNITS: 3		THEORETIC	AL: 2	
YEAR	: II SEMESTER: I	PRE-REQUISITE:		PRACTICAL:	1	
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COUR	SE SPECIFIFCATION: THEO	RETICAL AND PRACTICAL				
GOAL	: This course is designed to provid	e the student with the necessary kno	wledge and skills	needed to understand the	e maternal and chi	ld health.
GENER	RAL OBJECTIVE 1.0: Understand	d the concept of maternal health				
THEO	RETICAL CONTENT			PRACTICAL CONT	TENT	
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning Outcome	Teacher's Activities	Resources
1-3	1.1 Explain the concept of	Explain the concept of maternal	Textbooks	Demonstrate how to	Guide the	
	maternal health 1.2 Explain maternal	Health Explain maternal	Pictorials Projector	carry out:Ante partumIntra partum	students to demonstrate: • Ante	Stethoscope Thermometer
	health during:	health during:	Lecture notes	 Post-partum 	partum	Fetal stethoscope
	 Menstrual cycle Ante partum Intra partum Post-partum care. 	 Menstrual cycle Ante partum Intra partum Post-partum care. 	Charts Internet	care.	 Intra partum Post- partum care 	Sphygmomanome ter Demonstration
	AATIE	104	1			

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			Maker Marker board			room
GEN	ERAL OBJECTIVE: 2.0 Know feta	al development				
4-5	 2.1 Explain fetal development 2.2 Explain stages of fetal development 2.3 Explain psychological changes due to pregnancy 2.4 Explain the following; Diet in pregnancy Relief of pain in labour Vagina examination Fetal circulation 	Explain psychological changes due	Textbooks Pictorials Projector Lecture notes Charts Internet Maker Marker board	Demonstrate how to carry out vaginal examination	Guide the students to carry out vaginal examination	Hand gloves Couch Fetal stethoscope Models Charts Vaginal Speculum
	CRAL OBJECTIVE : 3.0 Understand	I the meaning of abortion, immunizati		and management of Labo	1	
6-8	3.1 Explain abortion3.2 Explain types of abortion 	Explain abortion Explain types of abortion	Textbooks Pictorials	Demonstrate management of Perinea tear, episiotomy and Cord prolapse	Guide students to: Carry out:	Episiotomy scissors Suture
	3.3 Explain concept of	Explain concept of immunization	Charts Lecture note		of Perinea tear.	Hand gloves Dissecting forceps
		105	1	1	1	1

immunization in pregnancy	in pregnancy	Projector		Cord prolapse	Needle holde
		Maker		r	Couch
3.4 Explain labour	Explain labour	Marker board			Demonstratio
		Models	A XIX		room.
3.5 Explain stages of labour and	Explain stages of labour and its	Internet			
its management	management				
	Explain Perinea tear				
3.6 Explain Perinea tear					
	Explain episiotomy				
3.7 Explain episiotomy					
	R				
3.8 Explain rupture of the uterus	Explain rupture of the uterus				
3.9 Explain Cord prolapsed	Explain Cord prolapse				
3.10 Explain management of	Explain management of				
Perinea tear, episiotomy and Cord prolapsed	Perinea tear, episiotomy and Cord prolapse				
3.11 Describe management of	Explain management of puerperium				
	106				

	puerperium					
ENE	RAL OBJECTIVE: 4.0 Understand	l child health	1		<u> </u>	1
-10	4.1 Explain child health	Explain child health	Textbooks	Demonstrate how to		Demonstration
			Pictorials	carry out male circumcision	to carry out male	room.
	4.2 Outline categories of children.	Explain categories of children.	Lecture note		circumcision	Models
			Internet			Hand gloves
	4.3 Explain growth and	Explain growth and development in	Projector			Forceps
	development in children.	children.	Maker			Surgical blade e
			Marker board			
	4.4 Explain Child mobility and	Explain Child mobility and				
	Mortality.	Mortality.				
		Explain male circumcision				
	4.5 Explain male circumcision	Explain the advantages of male				
	4.6 Explain the advantages of	circumcision				
FNF	male circumcision RAL OBJECTIVE: 5.0 Understand	l adalescent health				
	KAL ODJECTIVE. 5.0 Onderstand					
1-13	5.1 Define adolescent	Explain adolescent	Textbook			

		Internet	80	*	
5.2 Explain adolescent health.	Explain adolescent health.	Lecture notes.			
		Projector			
5.3 State importance of	Explain importance of	Maker			
adolescent health.	adolescent health.	Marker board			
5.4 Describe the developmental	Explain the developmental changes				
changes in adolescent such as:	in adolescent such as:	C Y Y			
Sexual development	Sexual development				
• Emotional development,	 Emotional development, Intellectual development 				
 Intellectual 	Intellectual developmentPhysical development				
development	i nysical development				
Physical development					
5.5 Explain the behavioural	Explain the behavioural				
characteristics of the	characteristics of the				
Adolescence.	Adolescence.				
Adolescence.	Autorescence.				
	\mathbf{N}				
5.6 Explain sexuality	Explain sexuality				
5.7 Explain problems					

					TION	
	associated with adolescence.	Explain problems		Ċ		
	5.8 Explain the needs of the adolescence.	associated with adolescence.		EDU		
GENE	RAL OBJECTIVE : 6.0 Understand	l Family Planning		NY -		
14-15	6.1 Define Family Planning	Explain Family Planning		Identify different types of family planning	to identify	Gloves, Tray, Oral
	6.2 Discuss the types of Family Planning	Explain the types of Family Planning	CHIT		planning	contraceptives, Injectables, Intra Uterine Contraceptive
	6.3 Explain the misconceptions of family planning	Explain the misconceptions of family planning				Device (IUCD)
	6.4 Explain in details modern and Traditional methods of family planning	Explain in details modern and Traditional methods of family planning				
	6.5 Explain Family planning in post abortion care	Explain Family planning in post abortion care				
	6.6 Explain Family planning provision	Explain Family planning provision				
	AAT	109				

6.7 Explain in details counselling in family planning Explain in details counselling in family planning	
EVALUATION	
CA 30%	
EXAMINATION 70%	tett
AAIONAL	110

PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	MILY HEALTHCARE TECHNOLOG	AY CONTRACTOR
COURSE: HEALTH STATISTICS	COURSE CODE: FHC 212	CONTACT HOURS: 30
	CREDIT UNITS: 2	THEORETICAL: 2
YEAR: I SEMESTER: II	PRE-REQUISITE:	PRACTICAL: 0
GOAL : This course is designed to enable the students a healthcare.	acquire knowledge in basic statistical	principles and how to apply them in family
GENERAL OBJECTIVES: On completion of this cour	rse, the students should be able to:	
1.0 Understand the role of statistics in science and h	nealthcare	
2.0 Know the sources and use of medical data	CR.	
3.0 Know various data collection methods	X	
4.0 Know health indices	S	
5.0 Understand simple statistical methods in gather.	ing, analyzing and presenting data	
	111	

	GRAMME: NATIONAL DIPLOM	A (ND) IN FAMILY HEALTHCA	ARE TECHNOLO)GY		
COUR	RSE: HEALTH STATISTICS	COURSE CODE: FHO	C 212	CONTACT HO	OURS: 30	
		CREDIT UNITS: 2		THEORETICA	L: 2	
EAR	R: II SEMESTER: I	PRE-REQUISITE:		PRACTICAL:		
COUR	RSE SPECIFIFCATION: THEOR	RETICAL AND PRACTICAL	~			
ENEI	L: This course is designed to equip RAL OBJECTIVE 1.0: Understand			3		
HEO	DRETICAL CONTENT			PRACTICAL CONT	ENT	
Veek	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning Outcome	Teacher's Activities	Resources
	11.1 Define the	Explainthe	Textbook			
-	- following: 2 • Statistics	following: StatisticBiostatistics	s Charts			
	BiostatisticsHealth statistics	Health statisticsVital statistics	Lecture notes			
	Vital statisticsMedical data	Medical data	Internet			
	.2 Explain the	Explain the	Marker- board			
	.2 Explain the Basicconcepts, principles	Basicconcepts, principles	Marker			
	and	and methods inbiostatistics	Projector			
		moiostatistics				

methods inbiostatistics axplain the roles of statistics in science and health are 3 Outline the roles of statistics in science and health are attistics in science and health are GENERAL OBJECTIVE: 2.0 Know the sources and use of medical data Textbooks 3.5 2.1 List the types of medical data Explain the types of medical data 2.2 Identify sources of medical data Explain sources of medical data Marker board markers 2.3 Explain health and vital statistics Explain health and vital statistics Explain health and vital statistics 2.4 Explain the procedures for collection of vital statistics Explain the procedures for collection of vital statistics From s 2.5 State uses of Medical, Vital and Health statistics Explain use of Medical, Vital and Health statistics Explain the concellection of wital statistics 2.6 Discuss the sources, forms and nature of medical data in Nigeria with equivalent data in Nigeria with equivalent data in Nigeria with equivalent data in succes of medical with equivalent data in succes of the satistics Explain problems associated with					TION	
3-5 2.1 List the types of medical data Explain the types of medical data Textbooks 4aa 2.2 Identify sources of medical data Explain sources of medical data. Marker board markers 2.3 Explain health and vital statistics Explain health and vital statistics Explain health and vital statistics Health statistics 2.4 Explain the procedures for collection of vital statistics/ health statistics Explain the procedures for collection of vital statistics Projector 2.5 State uses of Medical, Vital and Health statistics Explain the sources, forms and nature of medical data in Nigeria with equivalent data from other nations Explain problems associated with Projector	.3 Outline the roles of statistics in science and health care	statistics in science and health care		EDUCE		
	 3-5 2.1 List the types of medical data 2.2 Identify sources of medical data. 2.3 Explain health and vital statistics 2.4 Explain the procedures for collection of vital statistics/ health statistics 2.5 State uses of Medical, Vital and Health statistics 2.6 Discuss the sources, forms and nature of medical data in Nigeria with equivalent data from other nations 	Explain the types of medical data Explain sources of medical data. Explain health and vital statistics Explain the procedures for collection of vital statistics/ health statistics Explain uses of Medical, Vital and Health statistics Explain the sources, forms and nature of medical data in Nigeria with equivalent data from other nations Explain problems associated with	Marker board markers Health statistics and vital statistics forms Projector			



with sourcing for collection of medical data 2.8 Discuss ways of tackling the problems identified in 2.7	Explain ways of tackling the			
methods	Explain data collection methods Explain the procedures for registration of births and deaths	 Marker board Markers Textbooks Samples of Registratio n of births and deaths forms Samples of birth and death certificates 		
AATO	114			

					TION A	
			• Projector	Ċ		
CENI	ERAL OBJECTIVE: 4.0 Know hea	Ith indices	• Internet			
JLAN	ERAL ODJECTIVE. 4.0 Know hea	in malees				
7-8	4.1 Define health indices.	Explain health indices.				
	4.2 Explain vital and Health	Explain vital and Health	• Marker			
	statistics indices.	statistics indices.	board			
			• Markers			
			• Textbooks • Audio			
	4.3 Explain the methods of	Explain the methods of direct and	visuals			
	direct and indirect	indirect standardization of rates.	 Projector 			
	standardization of rates.		Internet			
	4.4 Discuss Problems involving	Explain Problems involving				
	standardized rates.	standardized rates.				
GENE	ERAL OBJECTIVE: 5.0 Understan	d simple statistical methods in gatl	nering, analyzing	and presenting data		
-15	5.1 State statistical methods	Explain statistical methods used				
		in gathering, analyzing and	• Marker			
	and presenting data	presenting data	board			
	5.2 Describe scales of \checkmark	Explain scales of measurement	• Markers			
			• Textbooks			
		115				

				TION	
measurement	•	Chart	Ċ		
5.3 Explain measures of central tendency and location	Explain measures of central tendency and location	Audio visuals Projector	all all		
5.4 Describe measures of variability	Explain measures of variability Explain non- probability	Internet			
5.5 Explain non- probability	and probability/ inferential		1 to		
and probability/ inferential	statistics				
statistics	Explain Estimation population				
5.6 Explain Estimation population values	values	J.			
	Explain association,				
5.7 Explain association, correlation and regression	correlation and regression				
AAIONA	BOL				
ATION	116				

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PROGR	RAMME: NATIONAL DIPL	OMA FAMILY HI	EALTH CARE			
COURS Immuniz	E: Immunology and zation	COURSE CODE: I	FHC 214	C	ontact Hours: 2 Hou	ırs
		Credit Unit: 3			Theoretical: 2	
Year:	II Semester: I	Pre-requisite:		I	Practical: 1	
COURS	E SPECIFICATION: THEOF	RETICAL AND PRA	ACTICAL			
immuniz				of principles of immunity	and the fundament	als of
	RAL OBJECTIVE 1.0 Know th RETICAL CONTENT			PRACTICAL CONTE	NT	
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning Outcome	Teacher's Activities	Resources
1-3	 1.1 Outline the early concerns of immunology and public health. 1.2 Explain the following terms: antigen, antibody 	concerns immunology ar public health.	of Projector Id Screen, Internet Textbooks	•	•	
	AATIE		117			



					57
	 Natural immunity and Artificial immunity Discuss the structure and synthesis of antibodies 	 Natural immunity and Artificial immunity Discuss the structure and synthesis of antibodies 		puch	
G	eneral Objective 2.0: Understand and	igen-antibody and all	ergic reactions.		
4-	antigen-antibody reactions.	reactions. Explain the various	Projector Screen, Internet Textbooks Computer Flip charts Journals		
			118		
	AA				

						toy
		Explain the A, B, O, blood group serology.			JUR	
		Explain the Rhesus factor and blood and rhesus incompatibilities. Demonstrate any of the reaction in 2.1 e.g. Agglutination, Precipitation, etc.		CHINCH		
Genera 8-9	Objective 3.0: Know comp 3.1 Explain the term		Multimedia	Prepare and standardize	Guide students to:	Charts
	complement.		Projector Screen, Internet Textbooks Computer	complement Prepare and standardize hemolysis	Prepare and standardize complement	Models
			Flip charts Journals	Prepare an indicator system. Carry out complement –	Prepare and standardize hemolysis	Equipment
	A C			fixation proper	Prepare an	and reagents
	AT		119			

						0/-
General	Objective 4.0: Understand the	nature of toxins and a		complement – fixation test.	indicator system. Carry out complement – fixation proper carry out complement – fixation test.	
10-12	 4.1 Explain the terms – "Toxins" (exo – and endo) and antitoxins. 4.2 Differentiate between endotoxin and exotoxin. 4.3 Describe the preparation of toxoids. 4.4 Describe the preparation and standardization of vaccines. 	Explain the terms – "Toxins" (exo – and endo) and antitoxins.	Multimedia Projector Screen, Internet Textbooks Computer	Test an antitoxin produced in 4.3 above for potency.	Guide students to: Prepare an antitoxin. Test an antitoxin produced in 4.3 above for potency.	ector pment ent
L	AATU	1	120	1	1	1

		Describe the preparation and standardization of vaccines.				
					, nue	
General Ob	jective 5.0: Justify the signi	ficance of immunolog	gy, e.g., immuniz	ation.		
n ir 5 5 5	 .2.Explain the relationship between infection and immunity. .3.Explain – Immunity: Sources and Types (Cross immunity, Herd Immunity). 	resistance to infection. lain the relationship between infection and immunity. lain – Immunity: Sources and Types (Cross immunity, Herd Immunity).	Multimedia Projector Screen, Internet Textbooks Computer Flip charts Journals			

diseases in 5.5 above. comm

					$\mathbf{\hat{D}}_{\mathbf{F}}$
5.7.Explain the control and preventive methods applicable to each situation in 5.6 above.	communicable diseases in Nigeria e.g. AIDS, Hepatitis, Yellow Fever, TB, Measles, etc.			DUCA	
	lain the immune measures against the diseases in 5.5 above.		MAR		
	Explain the control and preventive methods applicable to each situation in 5.6 above.	RIF			
General Objective 6.0: Unc	lerstand the fundament	als of immunizati	on.		
14-15	BOARD	Multimedia Projector Screen, Internet Textbooks Computer Flip charts Journals			
SAID		122			
\mathbf{Y}					

				51
General Objective 7.0: Perform immun	-			
 6.2.Differentiate between immunization and vaccination. 6.3.List types of vaccines 6.4.Identify Immunizable diseases. 6.5.Discuss the types of vaccines, e.g. live and Killed, 6.6.Explain vaccine storage and cold chain system 6.7.Describe the various methods of immunization. 6.8.Explain the factors affecting Immunization coverage in Nigeria 	Differentiate between immunization and vaccination.	Multimedia Projector Screen, Internet Textbooks Computer Flip charts Journals		
		123		
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	affecting			
	Immunization			
	coverage in Nigeria			
eral Objective 8.0: Know the strate	gies involved in imm	unization activiti	es 💊	Y
8.1 Describe various	Explain various	Multimedia	Identify various	Guide students to:
	immunization	Projector	immunization strategies	
static centers, mobile units,	methods e.g. static	Screen,		
etc.	centers, mobile	Internet		Identify various
8.2 Explain how to set	units, etc.	Textbooks	Plan and execute mass	immunization
specific minumzation		Computer		
targets for Nigeria, States and LGAs.		Flip charts Journals	immunization campaign.	strategies
			\mathbf{O}^{\prime}	
	Explain how to set			
	specific		Adopt methods to	Plan and execute
	immunization		evaluate immunization	mass immunization
	targets for Nigeria,		campaign activities	campaign.
	States and LGAs. 🗸		1 0	
				Adopt methods to
				evaluate
				immunization
				campaign activities
General Objective 9.0: Const	ruct immunization mi	ilestones		
9.1 Discuss immunization	Explain	Multimedia		Guide students to:
milestone from the Roles of	immunization	Projector	information on global	Obtain aviderat
Louis Pasteur, Edward	milestone from the	Screen,	and national	Obtain evidence

Louis Pasteur, Edward mile

					51
Jenner, Paul Ehrlich etc. 9.2 Explain Milestone in Nigeria 9.3 Explain Milestone through WHO	Pasteur, Edward Jenner, Paul Ehrlich	Journals	Information.	based information on global and national immunization/vacci nation Information	
	Explain Milestone through WHO	Ň			
	BOARD	tor			
AAIONA		125			

PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	IILY HEALTHCARE TECHNO	NOLOGY	
COURSE: CLINICAL SKILLS II	COURSE CODE: FHC 215	CONTACT HOURS: 45	
	CREDIT UNITS: 3	THEORETICAL: 2	
	PRE-REQUISITE:	PRACTICAL: 1	
YEAR: II SEMESTER: I		×	
GOAL : This course is designed to equip the students with t	he knowledge and practical skills to	ls to perform clinical procedures	
GENERAL OBJECTIVES: : On completion of this course	e, the students should be able to		
1.0 Know the processes of storage and administration of dru	igs		
2.0 Know how to collect and test urine specimen3.0 Understand how to estimate hemoglobin			
4.0 Understand the procedure for visual acuity			
5.0 Know the procedure for breast self-examination6.0 Know the procedure on weighing	y		
7.0 Understand the concept of referral system	~		
8.0 Comprehend the difference between outreach and referr	al system		
AAIONAL			
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PROC	DAMME. NATIONAL DIDI ON	IA (ND) IN FAMILY HEALTHCA	DE TECUNOI				
	RSE: CLINICAL SKILLS II	COURSE CODE: FHC			CONTACT HO		
YEAR	: II SEMESTER: I	CREDIT UNITS: 3 PRE-REQUISITE:			THEORETICAL PRACTICAL:		
	DRETICAL CONTENT	processes of storage and administration	n of drugs Resources	Spec	CTICAL CONTE	ENT Teacher's Activities	Resources
1	 1.1 Explain the method and procedure for drug storage 1.2 Identify the route of drug administration 1.3 Describe the procedures for drugs administration Through various routes (orally, rectally, 	daministration	Marker board Marker Projector Lectures notes Internet	admin medic Identit for dru Throu	ny/trolleys for istration of ation	Guide students to: Set tray/trolleys for administration of medication Demonstrate administering drugs through	Trolley
		127					<u> </u>



					(10)	
	topically, etc.)			topically, e.t.c) Calculate ratio for dilution of lotion and rate of flow Of infusion	various routes. Calculate ratio for dilution of lotion and rate of flow Of infusion	
GENI	ERAL OBJECTIVE: 2.0 Know how	v to collect and test urine specimen	A.			
2-3	 2.1 Explain the various urine specimen e.g early morning, Midstream, 24 hour-specimen, e.t.c 2.2 Identify the various containers for collecting urine Specimen e.g. clean or sterile containers. 2.3 Explain how to collect urine specimen for laboratory test. 2.4 Identify various reagents for different testing of urine e.gAlbusticks, clinitese, tablets, Accetes tablet. 	e.g early morning, Mid-stream, 24 hour-specimen, e.t.c Explain the various containers for collecting urine Specimen e.g. clean or sterile containers, Explain how to collect urine	Marker Projector Lectures notes	Demonstrate collecting urine specimen for laboratory test Observe the colour, odour, quantity reaction and specific gravity or urine specimen e.t.c Test the urine for various indications Interpret urine test result	to: demonstrate collecting urine specimen for laboratory test Observe the colour, odour, quantity reaction and specific gravity or urine specimen e.t.c Test the urine	Combi strip (either 2,3 or 9) Gloves Sterile wipes or Swabs Test strips
	ATU	128				

					TION	
				JUC Y	Interpret urine test result	
GENEI	RAL OBJECTIVE : 3.0 Understand	how to estimate haemoglobin				
4-5	 3.1 Describe the methods employed to estimate hemoglobin levels and demonstrate proficiency in their application within clinical or laboratory settings. 3.2 Explain how to interpret hemoglobin estimation results, such as colorimetric assays or automated methods to ensure accurate results. 3.3 Explain the significance of hemoglobin estimation in diagnosing and monitoring conditions like anemia, polycythemia, and various hematological disorders. 	Explain the methods employed to estimate hemoglobin levels and demonstrate proficiency in their application within clinical or laboratory settings. Explain how to interpret hemoglobin estimation results such as colorimetric assays or automated methods to ensure accurate results. Explain the significance of hemoglobin estimation in diagnosing and monitoring conditions like anemia, polycythemia, and various hematological disorders.	Marker Projector	Carry out haemoglobin estimation with the use of Talquist Read and interpret the hemoglobin level	Guide students to: Carry out haemoglobin estimation with the use of talquist Read and interpret the hemoglobin level	Lancet Specimen bottle (EDTA bottle preferably i.e Ethylene Diamine Tetra acetic acide EDTA) bottle Gloves Cotton wool Needle and syringe Spirit
		129				
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GENE	3.4 Discuss the factors affecting hemoglobin estimation accuracy and know how to address them, including sample preparation, equipment calibration, and potential interfering substances.	Explain the factors affecting hemoglobin estimation accuracy and know how to address them, including sample preparation, equipment calibration, and potential interfering substances.			
	4.1 Define visual acuity	Explain visual acuity	Marker board	•	
	4.2 Explain methods of carrying	Explain methods of carrying out	Marker	of carrying out visual acuity	to:
	out visual acuity	visual acuity	Projector	Carry out visual acuity	carry out visual acuity
6-7	4.3 Explain the normal and abnormal level of Vision	Explain the normal and abnormal level of Vision	Lectures notes	test	test
			Internet	Interpret visual acuity	
		Be	Journals	test result	Interpret visual acuity test result
		130		<u> </u>	<u> </u>
	4k				

	RAL OBJECTIVE: 5.0 Know the p	procedure for breast self-examination				-
	5.1 Describe the anatomy of breast	Explain the anatomy of breast	Marker board	Carry out breast		Gloves
			Marker	examination	to demonstrate breast	Couch
	5.2 Identify the various steps in breast self-examination	Explain the various steps in breast self-examination	Projector	Demonstrate breast examination	examination	Mirror Model
	oreast sent examination		Lectures notes			iviouei
			Internet			
			Journals			
NE	RAL OBJECTIVE: 6.0 Know	the procedure on weighing	Y			
	6.1 Explain the appropriate scale	Explain the appropriate scale for	Marker board	Demonstrate how to test	Guide students	Weight scale
	for client weighing	client weighing	Marliner	00	to:	
	6.2 Evaluin how to tost the	Explain how to test the weighing	Marker	balance before weighing	Domonstrato	MUAC
10	6.2 Explain how to test the weighing scale and balance before	scale and balance before weighing	Projector	Identify materials used	Demonstrate how to test the	Model
	weighing		- -	in mid upper arm	weighing scale	
		Explain materials used in Mid upper	Lectures notes	circumference	and balance	
	6.3 Explain materials used in Mid	arm circumference Measurement	Internet	measurement	before	
	upper arm circumference	(MUAC)			weighing	
	Measurement (MUAC)	Explain the procedure for				
	6.4 Explain the procedure for	determining mid upper arm			Identify	
	S England the procedure for	circumference measurement			materials used	
	determining mid upper arm	circumerence measurement			in mid upper	



					T107	
	circumference measurement			ALEDUC	arm circumference measurement	
GENE	RAL OBJECTIVE: 7.0 Understand	the concept of referral system			·	
	7.1 Define referral system	Explain referral system	Textbooks			
	7.2 Explain the rationale for	Explain the rationale for referral 🖍	pictorials			
11-12	referral		marker board			
	7.3 Explain the objectives of referral system	Explain the objectives of referral system	Marker			
	7.4 Identify client to be refer	Explain client to be refer	Internet			
	7.5 Explain the procedure for referral	Explain the procedure for referral Explain the referral forms	Journals			
	7.6 Identify the referral forms	Explain the importance of feedback				
	7.7 Explain the importance of feedback	Explain the advantage of 2-ways referral system				
	7.8 Enumerate advantage of 2-	Explain the facilitators and				
		132		L		
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	ways referral system	constraints of 2 ways referral system			>	
	7.9 Explain the facilitators and constraints of 2 ways referral system	Explain the facilitators and constraints of 2 ways referral system		FDU	~	
GENE	RAL OBJECTIVE: 8.0 Compreher	nd the difference between outreach an	d referral system			
	8.1 Define outreach services	Explain outreach services	Textbooks			
	8.2 Explain the importance of	Explain the importance of outreach	Pictorials			
13-15	outreach services	services	Charts			
	8.3 Differentiate between outreach and referral system	Explain the difference between outreach and referral system	Marker board Marker			
		RD'	Internet			
		BOL				
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	AAIONA	133				

PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	IILY HEALTHCARE TECHNOLOG	GY Y			
COURSE: HEALTH INFORMATICS	COURSE CODE: FHC 216	CONTACT HOURS: 30			
	CREDIT UNITS: 2	THEORETICAL: 1			
YEAR: II SEMESTER: I	PRE-REQUISITE:	PRACTICAL: 1			
GOAL: This course is designed to equip the students with t	he knowledge and skills in health inform	natics as its relate to family healthcare			
GENERAL OBJECTIVES: : On completion of this course	e, the students should be able to:				
1.0 Understand the concept of health informatics					
2.0 Know the basic knowledge and skills in health Information	tics as it relates to family healthcare ser	vices			
3.0 Understand the application of health informatics in fam					
4.0 Know the problems and challenges of health information	es that relate to family healthcare service	es			
R					
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AALONALBON	134				

					ATION	
PROG	RAMME: NATIONAL DIPLOM	IA (ND) IN FAMILY HEALTHC	ARE TECHNOL	OGY	,	
COUR	SE: HEALTH INFORMATICS	COURSE CODE: FH	C 216	СОМТАСТ НО	OURS: 30	
		CREDIT UNITS:2		THEORETICA	L: 1	
YEAR	: II SEMESTER: I	PRE-REQUISITE:	Ċ	PRACTICAL:	1	
COUR	SE SPECIFIFCATION: THEOR	RETICAL AND PRACTICAL				
GOAL	: This course is designed to equip the	he students with the knowledge and	skills in health inf	formatics as its relate to fa	amily healthcare	;
GENER	RAL OBJECTIVE 1.0: Understand	the concept of health informatics				
THEO	RETICAL CONTENT	 A 		PRACTICAL CONT	ENT	
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning	Teacher's	Resources
		€O*		Outcome	Activities	
	1.1 Define health 1.2 Define Informatics	Explain health	Textbooks			
1-2	1.3 Define Health	Explain Informatics	Pictorials			
	Informatics		Marker board			
	1.4 Explain the effective use of information, biomedical	\sim	Marker			
	data and knowledge in relation to family	Explain Health Informatics	Projector			
	healthcare.	Explain the effective use of	Internet			
	1.5 Explain the differences	information, biomedical data				
	AAT	13	5			



between compute informatics	er and	and knowledge in relation to family healthcare.				
1.6 Explain the In health informatic healthcare		Explain the difference between computer and informatics		ED		
	i	Explain the Impact of health nformatics on healthcare				
ENERAL OBJECTIV	E: 2.0 Know basic	c knowledge and skills in health In	nformatics as it rela	tes to family healthcare	services	
 2.1 Explain the baknowledge and health informative required for fathealthcare prace 2.2 Explain the own technology of 2.3 Explain the different and data collection 2.5 Explain how the internet into different a packages such i. 	d skills in tics mily ctice erall computer fferent nnecting to d describe t. o input data opplication as Microsoft word Microsoft	Explain the basic knowledge and skills in health informatics required for family healthcare practice Explain the overall technology of computer Explain the different methods of connecting to the internet Explain data and describe data collection. Explain how to input data into different application packages	Textbooks Pictorials Charts Marker board Marker Journals Internet	Demonstrate how to operate computer Demonstrate how to input data and explain various types of data Demonstrate how to visualize data	Guide the students on how to handle computer Guide students on hot to import data, analyses and visualization using various methods like Excel, Microsoft word and spas	Computer Mouse Microsoft word Microsoft exce Spas
iii.	Excel SPSS,	Explain how to calculate				

			_		TION	
	e.t.c	mean, media, mode, media		\sim		
	2.6 Explain how to	and average			Guide students	
	calculate mean, media, mode and average				on how to used	
	2.7 Explain how to perform	Explain how to perform			functions keys	
	visualization and simple	visualization and simple analysis of			runetions keys	
	analysis of a set of data.	a set of data				
	-					
GEN	ERAL OBJECTIVE: 3.0 Understar	d the application of health informatics	in family health	care services		
	3.1 Explain the application of	Explain the application of	Textbooks			
	health informatics in family	health informatics in family	Distanials			
	healthcare services	healthcare services	Pictorials			
	3.2 Explain how to search	Explain how to search for	Charts			
	for information on	information on family health				
5-6	family health related	related subject matter	Marker board			
	subject matter		Marker			
			Warker			
	3.3 Explain the features of	Explain the features of operating	Internet			
	operating system	system				
			Journals			
GEN	ERAL OBJECTIVE: 4.0 Know the	problems and challenges of health info	ormatics that rela	tes to family healthcare s	ervices	
	4.1 Explain the	Explain the contemporary	Textbooks			
	contemporary issues in	issues in health				
	health informatics	informatics related to	Pictorials			
	related to family	family healthcare				
		137				
	Y					

7-15 healthcare		Charts
		Marker board Marker
4.2 Explain the problem and challenges of health	Explain the problem and challenges of health informatics as it related to	Journals
informatics as it related to family health services	family health services	Internet
EVALUATION		
CA 30%		$\mathbf{\hat{\mathbf{v}}}$
EXAMINATION 70%	optor	
	BOHR	
AAIONA	138	
4A.		

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PROGRAMME: NATIONAL DIPLOMA (ND)) IN FAMILY HEALTHCARE TECHNOL	.OGY
COURSE: ESSENTIAL DRUGS	COURSE CODE: FHC 217	CONTACT HOURS: 45
	CREDIT UNITS: 3	THEORETICAL: 2
YEAR: II SEMESTER: I	PRE-REQUISITE:	PRACTICAL: 1
GOAL: This course is designed to equip the stude	ent with the knowledge and skills to enable the	m manage essential drugs.
GENERAL OBJECTIVES : on completion of th 1.0 Know essential drugs and supply system 2.0 Understand how to calculate dosage of drugs a 3.0 Understand the concept and management of d 4.0 Comprehend the mechanism of drug action in	and administration rug revolving system	
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PROG	RAMME: NATIONAL DIPLON	IA (ND) IN FAMILY HEALTHCA	RE TECHNOLO)GY			
COUR	RSE: ESSENTIAL DRUGS	COURSE CODE: FHC	217		CONTACT HO	OURS: 45	
		CREDIT UNITS:3		~	THEORETICA	L: 2	
YEAR	: II SEMESTER: I	PRE-REQUISITE:	<u> </u>		PRACTICAL:	1	
COUR	RSE SPECIFIFCATION: THEO	RETICAL AND PRACTICAL					
GOAL	.: This course is designed to equip t	the student with the knowledge and sk	ills to enable then	n mana	age essential drug	s.	
GENEH	RAL OBJECTIVE 1.0: Know esse	ential drugs and supply system	× × ×				
	RETICAL CONTENT			PRACTICAL CONTENT			
Week	Specific Learning Outcome	Teacher's Activities	Resources	Spec	ific Learning	Teacher's	Resources
				Outc	ome	Activities	
	1.1 Define drugs	Explain drugs	Textbooks				
	1.2 Explain the concept of	Explain the concept of essential	Lecture notes				
	essential drugs	drugs	Charts				
1-3	1.3 Explain the objectives of the national essential drugs	Explain the objectives of the national essential drugs programme	Marker board				
	programme (NEDP)	(NEDP)	Marker				
	1.4 Explain the management of	Explain the management of essential	Journals				
	essential drugs	drugs					
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	 1.5 Explain the criteria for selecting essential drugs 1.6 Explain the steps for ordering drugs 1.7 Explain the step involving in stocking drugs 1.8 Explain the steps involved in 	Explain the criteria for selecting essential drugs Explain the steps for ordering drugs Explain the step involving in stocking drugs Explain the steps involved in issuing	Projector			
GEN 4-5	issuing drugs. ERAL OBJECTIVE: 2.0 Understan 2.1 Explain various methods of calculating dosage of drugs.	drugs. nd how to calculate dosage of drugs ar Explain various methods of calculating dosage of drugs.	nd administration Textbooks Lecture notes	Demonstrate how to administer drugs	Guide the students on how to	Drugs Models
	2.2 Highlight various formulation for calculating dosage of drugs.	Explain various formulation for calculating dosage of drugs. Explain drug administration	Charts Marker board Marker		administer drugs	Charts Writing materials Tray
	2.3 Define drug administration2.4 Explain principles of drug administration	Explain principles of drug administration	Journals Projector			
		141				

ENE	RAL OBJECTIVE: 3.0 Understand			m		1
	3.1 Explain the concept of drug revolving fund (DRF)	Explain the concept of drug revolving fund (DRF)	Textbooks Lecture notes			
	3.2 Explain the steps for setting up a DRF	Explain the steps for setting up a DRF	Charts			
	3.3 Explain the advantages of DRF	Explain the advantages of DRF	Marker board			
		Explain the reasons why DRF failed	Marker Journals Projector			
	4.1 Explain essential drugs under the following	Explain essential drugs under the following	Textbooks Lecture notes	Identify the drugs under the following.	to Identify	Drugs Tray
			Lecture notes		to Identify drugs under the	Tray
5	IndicationsMechanism of action	IndicationsMechanism of action	Charts Marker board	-Indications	following: Generic name	Trolley
)	Contra- indicationSide effects etc.	 Contra- indication Side effects etc. 	Marker	-Centra-indicator	-Indications	
		A.	Journals	-Toxicity Identify drugs under the	-Centra- indicator	
	AC		Projector	generic name toxicity e.t.c	-Toxicity	
			Models			



PROGRAMME: NATIONAL DIPLOMA (ND) IN FA	MILY HEALTHCARE TECHNOI	LOGY
COURSE: : RESEARCH METHODOLOGY IN	COURSE CODE: FHC 218	CONTACT HOURS: 30
FAMILY HEALTHCARE	CREDIT UNITS: 2	THEORETICAL: 2
YEAR: II SEMESTER: I	PRE-REQUISITE:	PRACTICAL: 0
GOAL: This course is designed to equip students wit	h knowledge and skills of research	approach
GENERAL OBJECTIVES: On completion of this co	urse, the students should be able to:	
1.0 Know the concept of research.		
2.0 Understand the features of research methods		
3.0 Understand the process of research	æ	
4.0 Understand review of related literature	ý.	
5.0 Understand the design and planning of research	$\mathcal{O}^{\mathcal{Y}}$	
6.0 Know sampling techniques		
7.0 Understand the use of statistics in research		
8.0 Know how to conduct research and presentation of	of the results	
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PROGI	RAMME: NATIONAL DIPLOM	A (ND) IN FAMILY HEALTHCA	ARE TECHNOLO	DGY	<u>A</u>	
	SE: RESEARCH METHODOL LY HEALTHCARE	OGY IN COURSE CODE: FHO	C 218	CONTACT HO THEORETICA		
YEAR:	: II SEMESTER: I	PRE-REQUISITE:	\sim	PRACTICAL:		
COURS	SE SPECIFIFCATION: THEOR	RETICAL AND PRACTICAL		<u>۲</u>		
GOAL:	: This course is designed to equip	students with knowledge and sk	ills of research an	oproach		
	CAL OBJECTIVE 1.0 : Know the c					
				DDACTICAL CON		
	RETICAL CONTENT		· ·	PRACTICAL CONTENT		1
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning Outcome	Teacher's Activities	Resources
	1.1 Define Research	Explain Research	Textbooks			
1	1.2 Explain types of research (e. g. historical, descriptive,	Explain types of research (e. g.	Maker board			
-	experimental, etc) 1.3 Explain the aims of research.	historical, descriptive, experimental, etc)	Overhead slides			
		Explain the aims of research	Projector			
			Journals			
	Ak.		markers			
		145		I		
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			Internet
GENI	ERAL OBJECTIVE: 2.0 Understan	d the features of research methods	
	 2.1 Explain Research Methodology 2.2 Explain research methods 2.3 Explain the methods of conducting research e. g. survey 	Explain Research Methodology Explain research methods Explain the methods of conducting research e. g. survey	Textbooks
	RAL OBJECTIVE: 3.0 Understan		
4	 3.1 Explain how to identify research problem 3.2 Explain how to review related literature. 3.3 Explain how to formulate research question and hypotheses 3.4 Explain the methods of data collection e.g. Questionnaire Observation etc 	 Explain how to identify research problem 3.2 Explain how to review related literature. 3.3 Explain how to formulate research question and hypotheses 3.4 Explain the methods of data collection e.g. Questionnaire Observation etc 	Textbooks Maker board Marker Journals Projector Internet
	ATION	146	

Genera	al Objective: 4.0 Understand review	of related literature	
5		Explain 'systematic review of related literature' Explain the importance of literature review	Textbooks Maker board Marker Journals Projector Internet
GENE	RAL OBJECTIVE: 5.0: Understand	d the design and planning of research	
6-7	• Intervention and non-intervention	Explain Research design Explain types of research design Explain the methods to be applied in research design Explain the merits and demerits of various research designs	Textbooks Marker Maker board Internet Projector
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				TION	
	and demerits of various				
	research designs.				
GENE	RAL OBJECTIVE: 6.0 Know sam	pling techniques.			
8-9	6.1 Define sample	Explain sample	Textbook		
	6.2 Define sampling techniques6.3 Explain types of sampling	Explain sampling techniques	Maker board		
	techniques 6.4 Explain the advantages	Explain types of sampling	Marker		
	and disadvantages of each	techniques	Projector		
	type of sampling technique 6.5Explain sample size	Explain the advantages and			
		disadvantages of each type of	Internet		
		sampling technique			
		Explain sample size			
GENE	RAL OBJECTIVE: 7.0 Understand	d the use of statistics in research			
10-11	7.1 Define basic statistics	Explain basic statistics	Textbook		
	7.2 Describe the tests used in basic statistics e. g. mean,	Explain the tests used in basic	Maker board		
	median, mode, T-test, etc.7.3 Determine the suitability of	statistics e. g. mean, median, mode, T-test, etc	Marker		
	each test.	Explain the suitability of each test	Journals		
		Explain the suitability of each test	Projector		
		148			
		140			
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			Internet
GENE	RAL OBJECTIVE: 8.0 Know ho	w to conduct research and presentati	on of the result
12-15	8.1 Explain component of researc report	h Explain component of research report	Textbook Maker board Marker Projector Internet
E	VALUATION	l l	
	XAMINATION 70%	BOWE	
	AALONA	14	19

YEAR II SEMESTER II PROGRAMME: NATIONAL DIPLOMA (ND) IN FAMILY HEALTHCARE TECHNOLOGY COURSE CODE: FHC 221 **CONTACT HOURS: 30 COURSE: ORAL HEALTH CARE. CREDIT UNITS: 2 THEORETICAL: 1 PRACTICAL:** 1 **PRE-REQUISITE:** YEAR: II **SEMESTER:** II GOAL: This course is designed to equip the student with the knowledge and skills needed to identify and manage oral health problems in the community GENERAL OBJECTIVES: On completion of the course, the student should be able to: 1.0 Understand Oral HealthCare 2.0 Know the structure of a typical Human Tooth 3.0 Know how to carry out Oral Examination and Management of common oral conditions 4.0 Know the prevention of common oral diseases.

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PROG	RAMME: NATIONAL DIPLOM	A (ND) IN FAMILY HEALTH	CARE TECHNOL	OGY		
COUR	SE: ORAL HEALTH CARI	E. COURSE CODE: F	HC 221	CONTACT HO	URS: 30	
		CREDIT UNITS: 2		THEORETICA	L: 1	
YEAR	: II SEMESTER: II	PRE-REQUISITE:		PRACTICAL:	1	
COUR	SE SPECIFIFCATION: THEOR	RETICAL AND PRACTICAL	~			
in the	: This course is designed to eq community RAL OBJECTIVE 1.0: Understa	-	vledge and skills r	needed to identify and	manage oral	health problems
THEO	RETICAL CONTENT	<hr/>		PRACTICAL CONTI	ENT	
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning Outcome	Teacher's Activities	Resources
1-2	1.1 Define oral health.	Explain oral health	Textbooks	Draw and	Guide	Cardboard paper
		Explain Objectives of oral	Charts		students to draw and	Markers
	1.2 State the objectives of oral		Audio visuals	diagra	describe the	Notebook
	health.	δ	aids.	the mot	diagram of the oral	Charts
	<u> </u>	Explain the structural	Pictorials	oral	cavity.	Models
	into:Hard structures	formation of the human toot	h Projector	cavity		Marker board
	AATO	-	151	1	1	1



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	1.4 Explain how to identify	classify the structures of the oral region	Lecture notes Marker board Marker Internet	EDUC		
GENE	RAL OBJECTIVE: 2.0 Know th	e structure of a Typical Human	Tooth			1
	 2.1 Explain the human tooth 2.2 Explain the structure of a typical human tooth. 2.3Identify types of teeth 	Explain the structure of a typical human tooth. Explain types of teeth	Charts	Draw and describe the diagram of the human tooth.	Guide students to draw and describe the diagram of thehuman tooth	Cardboard paper Markers Notebook Charts Models Marker board
CEN	NEDAL OBJECTIVE: 30 Know	how to carry out Oral Examinat	Marker	ament of common of	ral conditions	
4-6	3.1 Describe how to carry out an oral examination.	Explain how to carry out an oral examination	Textbooks	Conduct oral examination	Guide students to	Mouth Mirrors Periodontal probes
L	AATIO	152	1	1		μ

				TION	
	3.2 Enumerate major	1 5	Audio visuals	examination	Tweezers
	oral conditions	conditions with	aids.	*	Gallipot
	with their	their signs and	0.11.111		Gloves
	signs and	symptoms.	Oral health		Month gag
	symptoms.		models		Spatula
		Explain the common	Pictorials		Mouth
	3.3 Explain the	causes of oral	Projector 🗻		speculum
	common	conditions.			
	causes of oral		Lecture notes		
	conditions.	Explain the management of			
		oral conditions mentioned	Markerboard		
	3.4 Explain the	above.	Marker		
	management		Internet		
	of oral	\sim			
	conditions	2			
	mentioned				
	above.				
	RAL OBJECTIVE: 4.0 Know hov	w to prevent common oral disea	-	 	
7-15	4.1 Describe preventive	Explain preventive measures	Textbooks		
	measures for oral diseases/	for oral diseases/ conditions in	Charts		
	conditions in the community	the community	Charts		
			Oral health		
	4.2 Explain the classification		models		
		measures to prevent oral	Audio visuals		
	conditions at the community	conditions at the community	aids.		
	level such as:	level such as:			
		153			
		153			



-Regular dental -check-ups -Brushing teeth twice daily	-Regular dental -check-ups -Brushing teeth twice daily	Pictorials
-Flossing daily	-Flossing daily	Projector
-Use of mouthwash -Healthy diet	-Use of mouthwash -Healthy diet	Lecture notes
-Avoid tobacco products etc.	-Avoid tobacco products	Internet
		Marker board
		Marker
EVALUATION		
CA 30%		
EXAMINATION 70%		
	ARDFOR	
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DDOCDAMME, NATIONAL DIDLOMA (ND) IN FA	MILV HEALTHCADE TECHNO	LOCN
PROGRAMME: NATIONAL DIPLOMA (ND) IN FA	MILY HEALTHCARE TECHNO	LOGY
COURSE: CARE OF AGED AND HANDICAP	COURSE CODE: FHC 222	CONTACT HOURS: 30
	CREDIT UNITS:2	THEORETICAL: 2
YEAR: II SEMESTER: II	PRE-REQUISITE:	PRACTICAL: 0
GOAL: The course is designed to provide the studen	t with the knowledge on care of t	he aged and handicap.
GENERAL OBJECTIVES: On completion of this count 1.0 Know about the care of the aged 2.0 Understand the health problems of the aged 3.0 Understand the healthcare services to meet the normal services to meet the normal services of the aged 5.0 Understand the physical and psychological suppleted of the disability and handice 7.0 Understand the health services needed by different to the normal services of the aged by different to the normal services needed by different to the normal services	needs of the aged port needs for the aged cap	
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PROG	RAMME: NATIONAL DIPLON	AA (ND) IN FAMILY HEAL	THCARE TECHNOL	LOGY	P	
COUR	SE: CARE OF AGED AND H	ANDICAP COURSE CODE	E: FHC 222	CONTACT H	OURS: 30	
		CREDIT UNITS	5:2	THEORETICA	AL: 2	
YEAR	: II SEMESTER: II	PRE-REQUISIT	ſE:	PRACTICAL:	0	
COUR	SE SPECIFIFCATION: THEO	RETICAL AND PRACTICA	L			
GOAL	: The course is designed to prov	ide the student with the kno	owledge on care of the	e aged and handicap.		
	RAL OBJECTIVE 1.0Know about	at the care of the aged				
	RETICAL CONTENT			PRACTICAL CONT		
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning Outcome	Teacher's Activities	Evaluation
	 1.1 Define aged 1.2Explain the categories of aged 1.3 Explain the characteristics of the aged 1.4 Explain the care of the aged 	Explain aged Explain the categories of aged Explain the charact of the aged Explain the care of the aged	Textbooks Internet Marker board Maker Projector			
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CENI	EDAL ODIECTIVE. 20 Underste	nd the health problems of the aged	4
GENI	ERAL OBJECTIVE. 2.0 Understa	nd the health problems of the aged	
3	2.1Explain psycho-Social problems of the aged2.2Explain Medical conditions of the aged	Explain psycho-Social problems of the aged Explain Medical conditions of the aged	Textbooks Internet Marker board Maker Projector
ENE	RAL OBJECTIVE: 3. 0Understar	d the healthcare services to meet the	he needs of the aged
4	3.1 Explain the health services needs for the aged3.2 Explain the factors affecting the provision of healthcare services for the aged	Explain the health services needs for the aged Explain the factors affecting the provision of healthcare services for the aged	r Textbooks Internet Marker board Maker Projector
ENE	RAL OBJECTIVE: 4. 0Understar	d the Nutritional needs of the aged	d
4	4.1 Explain the Nutritional needs of the aged	Explain the Nutritional needs of the aged	e Textbooks Internet Marker board
	4.2 Explain the nutritional servicesfor the aged4.3 Explain the resources andfacilities to support the provisionof nutritional needs of the aged	Explain the nutritional services for the aged Explain the resources and facilities to support the provision of nutritional needs of the aged	Maker Projector
ENE	RAL OBJECTIVE: 5.0 Understar	d the physical and psychological s	support needs for the aged
5	5.1 Explain the physical and psychological		d Lecture note f Pictorial on
		157	

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	challenges of the aged	the aged	varieties of diet			
	5.2 Explain the physical		Textbooks		×	
	and psychological					
	services for the aged	1. 0	Marker board			
		for the aged	Maker			
			Projector			
CENEL	AL OBJECTIVE: 6.0 Understand	the concept of disability and han	dican			
GENEI		a the concept of disability and han				
6-7	6.1Explain the concept of	Explain the concept of disability and				
	disability and handicapping	handicapping conditions	Textbooks			
	conditions		Pictorial			
		Explain the categories/types of	chart			
	6.2 Explain the categories/types of		Textbook			
	disability and handicapping	conditions	Internet			
	conditions		Marker board			
	6.3 Explain the Causes of	Explain the Causes of Disability	Marker			
		and handicapping condition in the	Lecture notes			
	condition in the community	community				
	6.4 Explain the challenges faced	Explain the challenges faced by				
	by disable and handicap	disable and handicap				
GENER	RAL OBJECTIVE: 7. 0 Understan	id the health services needed by di	fferent types of	disable and handicap	<u> </u>	
8-15	7.1 Explain the health services	Explain the health services	Textbook			
	needed by different types of	needed by different types of	Lecture notes			
	disabled and handicap	disabled and handicap	Projector			
		a and a second second	Marker			
			Marker-board			
			Pictorial			
			Chart			
		158				
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	7.2 Explain the facilities and organisations that provide services for disable and handicap e.g Rehabilitation centres	Explain the facility and organisation that provide services for disable and handicap	Internet	EDUCE		
EV	VALUATION			A		
CA	A 30%					
EA	KAMINATION 70%	BOWE				
	AAIONA	159				

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PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	ILY HEALTHCARE TECHNOLOG	GY CY
COURSE: COMMUNITY EAR, NOSE, THROAT, AND	COURSE CODE: FHC 223	CONTACT HOURS:
EYE CARE		
	CREDIT UNITS: 2	THEORETICAL: 1
	PRE-REQUISITE:	PRACTICAL: 1
YEAR: II SEMESTER: II		
GOAL: This course is designed to provide the students with	basic knowledge and skills of commun	nity ear, nose, throat and eye care.
GENERAL OBJECTIVES: On completion of this course,	the students should be able to:	
1.0 Know the anatomy and physiology of the ear, nose, through	at and eve.	
2.0 Know how to recognize and treat common disorders affe	cting the ear, nose, throat, and eye con	ditions
3.0 Understand preventive measures for common ear, nose,4.0 Understand the complication of ear, nose, throat and eye		
5.0 Know how to educate the family to identify unsafe ear, r		·-
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	SE: COMMUNITY EAR, NOSE,	THROAT,	COURSE CODE: FHC	C 223	CONTACT HO	URS:		
AND EYE CARE		CREDIT UNITS: 2		THEORETICA	THEORETICAL: 1			
YEAR:	II SEMESTER: II		PRE-REQUISITE:		PRACTICAL:	PRACTICAL: 1		
COUR	SE SPECIFIFCATION: THEOR	RETICAL A	AND PRACTICAL	Ċ	· P			
GOAL	This course is designed to provide	the students	s with basic knowledge	and skills of com	nunity ear, nose, throat a	nd eye care.		
ENER	AL OBJECTIVE 1.0: Know the	anatomy a	and physiology of the	e ear, nose, thro	bat and eve.			
		unatonity c			-			
THEO	RETICAL CONTENT				PRACTICAL CONT	ENT		
Veek	Specific Learning Outcome	Teacher's	Activities	Resources	Specific Learning	Teacher's	Resources	
			A Company		Outcome	Activities		
			natomical structures	Textbooks	Draw and label ear,	Guide the	Maker board	
-3	structures of the ear, includingThe pinna and	of the ear, inc • The pir		Pictorials	nose, and throat.	students to:	Marker Pictorial	
	• External auditory canal.		al auditory canal. the anatomical	Projector		Draw and label	Note book	
	1.2 Describe the anatomical	structur	e of the nose,		Draw and label the eye	ear, nose, and throat.	Charts	
	structure of the nose, including	includin	ng The bridge,	Models		unoat.	Pen and penci	
	• The bridge,	`	Nostrils, and	Lecture notes				
	Nostrils, andSeptum.		Septum. the structure of the nasal	Marker board		Draw and label		
	1.3 Explain the structure of the nasal		and its divisions.	Marker		the eye		
	cavity and its divisions.							
			161					

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	 1.4 Explain the functions of the nose. 1.5 Describe the anatomy of the throat. 1.6 Differentiate between the nasopharynx, oropharynx, and laryngopharynx. 1.7 . Describe the anatomy of the eye including: The cornea Sclera Conjunctiva Eyelids. 	Explain the functions of the nose. Explain the anatomy of the throat. Differentiate between the nasopharynx, oropharynx, and laryngopharynx. Explain the anatomy of the eye including: • The cornea • Sclera • Conjunctiva Eyelids.	Internet			
GENE 4-6	 2.1 Recognize and treat common ear disorders such as Otitis externa, (swimmer's ear) Tinnitus and Earwax impaction. Etc. 2.2 Explain appropriate treatment strategies for ear infections, and refer patients promptly for specialized care. 		rders affecting th Text books Lecture notes Bulletins Internet/Intranet Journal Projector Models Marker board	e ear, nose, throat, and ey Carry out: Steam inhalation Nasal irrigation	Guide the students to carry out Steam inhalation, nasal irrigation	Nelson inhaler Jug inhaler Bowl Sink Large towel A lotion thermometer Handkerchief Gallipot Hand gloves Models Otoscope
	AATU	162	1	1	1	1



2.3 Identify and treat common	Explain how to Identify and treat	Charts		Ear forceps
nasal disorders such as	common nasal disorders such as	Internet		
Rhinitis	Rhinitis			
Various types influenza	• Various types influenza			
(Flu)	(Flu)			
Adenoiditis etc.	• Adenoiditis etc.			
2.4 Perform minor procedures	Explain how to Perform minor			
like:	procedures like:			
-Management of life insect in	-Management of life insect in			
the ear.	the ear.			
-Steam inhalation	Steam inhalation	X Y		
-Nasal irrigation etc.	-Nasal irrigation etc.			
	Recognize and treat common throat			
2.5 Recognize and treat common	disorders, including:			
throat disorders, including:	Pharyngitis.			
Pharyngitis.	Tonsillitis etc.			
Tonsillitis etc.				
	Explain how to Identify and treat			
2.6 Identify and treat common eye	common eye disorders, such as :			
disorders, such as :				
 Conjunctivitis, and 	 Conjunctivitis, and 			
 Refractive errors, etc. 	• Refractive errors, etc.			
2.7 Recognize signs of urgent eye	Explain how to Recognize signs			
conditions:	of urgent eye conditions:			
 Glaucoma 	 Glaucoma 			
Cataract etc.	Cataract etc.			
Refer patients promptly for	Refer patients promptly for			
specialized care.	specialized care.			
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GENER	AL OBJECTIVE: 3.0 Understand	preventive measures for common ear	r nose throat and	Leve disorders		
7-8	 3.1 Explain Health education on ear protection and hygiene practices. 3.2 Explain lifestyle modifications such as: Cessation of smoking Avoidance allergens. 3.3 Explain Health education on nasal conditions such as: Allergen Epistaxis Allergic Rhinitis etc 3.4 Explain Health education on voice hygiene practices including: Staying hydrated and Avoiding excessive throat clearing. Etc. 	 Explain Health education on ear protection and hygiene practices. Explain lifestyle modifications such as: Cessation of smoking Avoidance allergens. Explain Health education on nasal conditions such as: 	Textbooks Lecture notes Marker Marker board			



	3.5 Explain Health education on	glasses or goggles.				
	the use of protective eyewear such as safety glasses or goggles.	Subses of Soggres.		JC I		
ENE	RAL OBJECTIVE: 4.0 Understand	the complications of ear, nose, throa	t and eye diseases	s and refer to specialist ce	entre.	
-10	4.1 Identify complications of ear conditions and the need to refer4.2 Explain complications of	Identify complications of ear conditions and the need to refer 4.2 Explain complications of	Textbook Lecture notes	A		
	nasal conditions.	nasal conditions.	Marker Maker board			
	4.3 Explain complications of throat conditions.	4.3 Explain complications of throat conditions.	Internet/Intranet			
	4.4 Explain complications from common eye diseases, such as	4.4 Explain complications from common eye diseases, such as	Journal Projector			
	GlaucomaCataractsMacular degeneration	 Glaucoma Cataracts Macular degeneration Explain the referral guidelines 				
	4.5 Explain the referral guidelines for healthcare providers in primary care settings.	for healthcare providers in primary care settings. Explain the need for regular update				
	4.6 Explain the need for regular update of the	of the guidelines to reflect the latest evidence-based practices in ENT care				
	guidelines to reflect the latest vertices in					



	ENT care.				
GENE	RAL OBJECTIVE: 5.0 Know ho	bw to educate the family to identify un	safe ear, nose, thro	at and eye practices.	1
1-15	 5.1 Explain the proper methods of ear cleaning and emphasize the dangers of using cotton swabs, inserting objects into the ear canal 5.2 Describe the connection between forceful nose blowing and potential ear and sinus complications. 5.3 Explain the risks of tobacco use and excessive alcohol consumption on throat health. 5.4 Explain the danger of frequent and forceful throat clearing. 5.5 Explain the danger of sleeping with contact lenses. 	 Explain the proper methods of ear cleaning and emphasize the dangers of using cotton swabs, inserting objects into the ear canal Explain the connection between forceful nose blowing and potential ear and sinus complications. Explain the risks of tobacco use and excessive alcohol consumption on throat health. Explain the danger of frequent and forceful throat clearing. Explain the danger of sleeping with contact lenses 	Textbook Lecture notes Bulletins Charts Projector, Internet/Intranet Journal Marker board Marker		
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PROGRAMME: NATIONAL DIPLOMA (ND) IN F.	AMILY HEALTHCARE TECHNO	LOGY
COURSE: ADVOCACY AND COMMUNITY DIAGNOSIS	COURSE CODE: FHC 224	CONTACT HOURS: 45
	CREDIT UNITS: 3	THEORETICAL: 2
YEAR: II SEMESTER: II	PRE-REQUISITE:	PRACTICAL: 1
GOAL: This course is designed to equip students with the	he knowledge and skills to carryout Ac	lyocacy and Community Diagnosis.
 GENERAL OBJECTIVES: On completion of this count 1.0 Understand the concept of advocacy 2.0 Comprehend the concept of community diagnosis 3.0 Comprehend the concept of community mobilization 4.0 Know how to conduct situation analysis 5.0 Know the implementation of PHC system at the Location 	on	
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PROG	GRAMME: NATIONAL DIPLON	IA (ND) IN FAMILY HEALTH	CARE TECHNOI	LOGY	SCATE	
	RSE: ADVOCACY AND COMM NOSIS	UNITY COURSE CODE: FI	HC 224	CONTAC	T HOURS: 45 TICAL: 2	
YEAR	R: II SEMESTER: II	PRE-REQUISITE:		PRACTIC	CAL: 1	
THEC Veek	ORETICAL CONTENT Specific Learning Outcome	Teacher's Activities	Resources	PRACTICAL C Specific Learnin		Resources
Veek	Specific Learning Outcome			Specific Learnin Outcome	ng Teacher's Activities	
Veek		Teacher's Activities Explain advocacy Explain rationale for advocacy	Resources Marker board Maker	Specific Learnin Outcome Visit Various Community Leade	ngTeacher's ActivitiesGuide students ers to on a visit to	Field Trip required.
Veek	Specific Learning Outcome1.1 Define advocacy1.2 State rationale for advocacy1.3 Explain the steps and	Explain advocacy Explain rationale for advocacy Explain the steps and levels in	Marker board	Specific Learnin Outcome Visit Various	ngTeacher's ActivitiesGuide studentsers toon a visit toCommunityLeaders on	Field Trip
	Specific Learning Outcome 1.1 Define advocacy 1.2 State rationale for advocacy	Explain advocacy Explain rationale for advocacy	Marker board Maker	Specific Learnin Outcome Visit Various Community Leade	ngTeacher's ActivitiesActivitiesGuide students on a visit to Community	Field Trip required. Arrange for

				TION	
		Internet			Banners Poster
ENERAL OBJECTIVE: 2.0 Compreh	end the concept of community diagnos	sis			
3-4 2.1Define community diagnosis2.2 Explain the role ofcommunity diagnosis in PHC	Explain community diagnosis Explain the role of community diagnosis in PHC	Textbooks Journal	A		
2.3Explain the rationale for community diagnosis in PHC	Explain the rationale for community diagnosis in PHC	Chart Projector			
2.4Explain methods used in community diagnosis such as, observation, interview and	Explain methods used in community diagnosis such as, observation, interview and existing records.	Internet Pictorials			
existing records. 2.5 Describe the steps in carrying out community diagnosis.	Explain the steps in carrying out community diagnosis.	Marker Marker board			
NERAL OBJECTIVE: 3.0 Comprehe	nd the concept of community mobilization	ation			
5 3.1 Define community mobilization	Explain community mobilization Explain the followings:	Charts Textbooks	Identify community resources	Guide students to;	Field Trip required.
3.2 Explain the followings:Rationale for community	Rationale for community mobilization	Journals	Mobilize the community for action.	y y	Arrange for transport
 mobilization Role of community mobilization in PHC 	 Role of community mobilization in PHC Steps involved in 	Periodical			Public address system
	169	1	1		1



CNE	 Steps involved in community mobilization 3.3 Describe the various PHC committees under the following headings: Title of the committeee.g VDC, WDC, FDC Composition of the committee Terms of reference Inter-relationship of the committees RAL OBJECTIVE: 4.0 Know how 	community mobilization Explain the various PHC committees under the following headings: Title of the committeee.g VDC, WDC, FDC Composition of the committee Terms of reference Inter-relationship of the committees	Marker maker board Internet		• Mobili ze	Banners Posters Megaphone
-8	 4.1 Define Situation analysis 4.2 Discuss the importance of situation analysis in PHC 4.3 Describe the instruments used in situation analysis 4.4 Describe the steps in situation analysis 	Explain Situation analysis Explain the importance of situation analysis in PHC Explain the instruments used in situation analysis Explain the steps in situation analysis	Charts Textbooks Journals Periodical Marker maker board Internet	Conduct situation analysis		Field Trip required. Arrange for transport Public address system Banners Posters Megaphone
CNE	RAL OBJECTIVE: 5.0 Know the f	mplementation of PHC system at the		ent Level (LGL)		

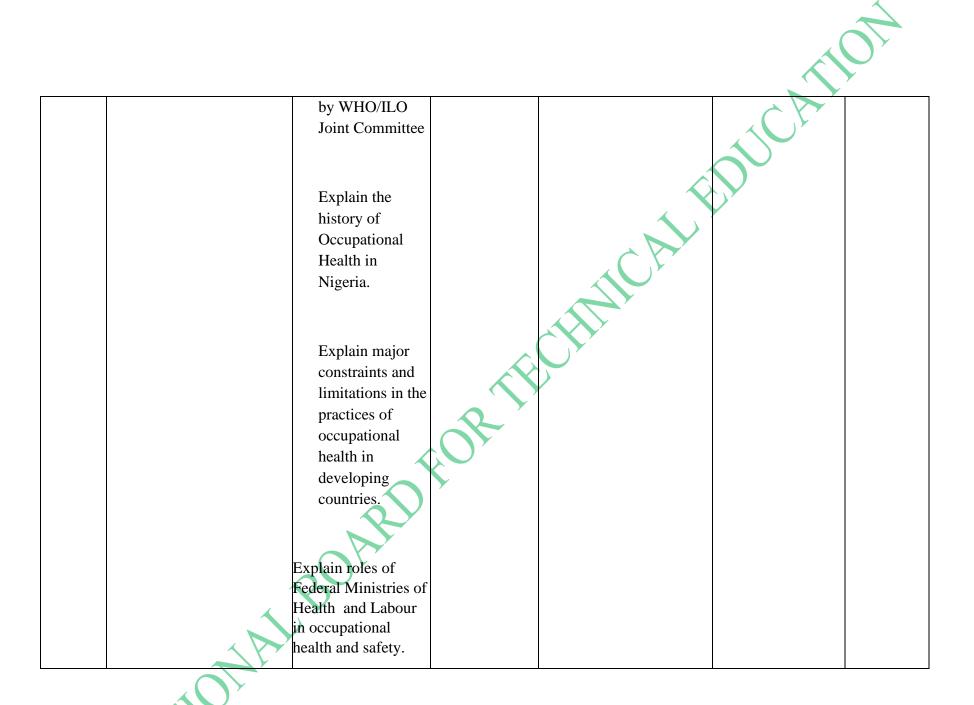
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9-15	5.1 Explain PHC system at the	Explain PHC system at the LGL	Charts	Carryout house	Guide students	Marker
	LGL 5.2 Explain PHC house numbering	Explain PHC house numbering	Textbooks	numbering Carryout household	to carry out: • House	Sample Registers
	system	Explain how to assign PHC code	Pictorials	listing		Sample home base card
	5.3Explain how to assign PHC code number for household	number for household members		Fill home base card		Sample clinic
	members.	Explain the home-based record	Marker Projector	Fill clinic master card	listingFilling	master card
	D.4 Describe the nome-based	Explain the importance of home base record	Internet		of home	
	5.5Explain the importance of home base record	Explain the clinic master card	Ç,		base card • Filling	
	5.6 Describe the clinic master card	t OR 1			of clinic master card	
C	EVALUATION CA 30% EXAMINATION 70%					
	EXAMINATION 70%					
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PROGRAMMES: NATIONAL DIPLOMA FAI	MILY HEALTH CARE	
COURSE: Occupational Health Safety	COURSE CODE: FHC 225	Contact Hours: 2
	Credit Unit: 2	Theoretical: 2
Year: II Semester: II	Pre-requisite:	Practical:
GOAL: This course is designed to provide the stud	ents with the fundamentals of occupational	health and types of occupational
Hazards / Diseases and their control		
GENERAL OBJECTIVES: On completion of the	is course, the students should be able to:	
1.0 Understand the fundamentals of concepts in oc	cupational health	
2.0 Know the components of occupational health a	nd occupational health programmes in the ir	ndustry
3.0 Evaluate the types of occupational hazards and	diseases in an occupational environment	
4. 0 Understand the major principles of controlling	hazards in an occupational environment	
5.0 Know the various occupational health and safe	ty legislations	
6.0 Recognizes causes, effects and prevention of O	ccupational Accident	
6.0 Recognizes causes, effects and prevention of O	172	

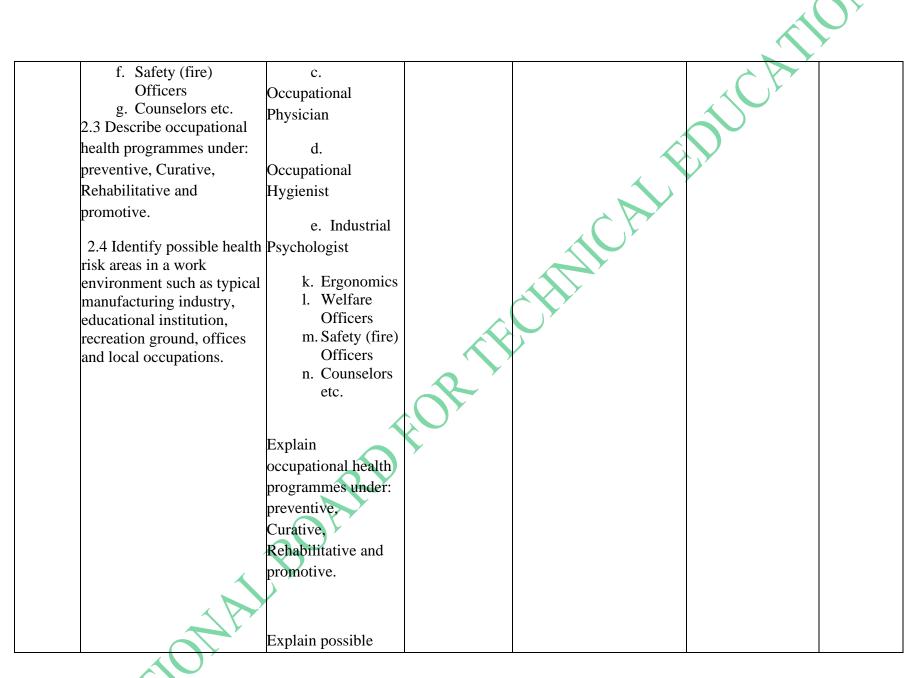
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PROGR	AMME: NATIONAL DIPL	OMA FAMILY HE	ALTH CARE			7
COURSI	E: Occupational Health Safety	COURSE CODE: FI	HC 225		Contact Hours: 2 Hou	ırs
		Credit Unit: 2			Theoretical: 2	
Year:	II Semester: II	Pre-requisite:			Practical:	
COURSI	E SPECIFICATION: THEOR	ETICAL AND PRA	CTICAL		/	
	This course is designed to prov and their control	vide the students with	the fundamentals	s of occupational healt	h and types of occupation	tional Hazards /
GENER	AL OBJECTIVE 1.0 Understa	and the fundamentals	of concepts in oc	cupational health		
THEOR	RETICAL CONTENT			PRACTICAL CONT	ΓΕΝΤ	
Week	Specific Learning Outcome	Teacher's Activities	Resources	Specific Learning Outcome	Teacher's Activities	Resources
1-3	1.1 Explain the following: Occupation, Occupational health, Occupational hazard, Occupational Safety, occupational health services, occupational environment, work associated diseases, work related diseases,	Explain the following: Occupation, Occupational health, Occupational hazard, Occupational Safety,		•	•	
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Occupation/ industrial hygiene, non- occupational environment. 1.2 Outline the Evolution of occupational health from Industrial revolution in Europe. 1.3 Explain the objectives of occupational health as defined by WHO/ILO Joint Committee 1.4 Discuss the history of Occupational Health in Nigeria.	occupational health services, occupational environment, work associated diseases, work related diseases, Occupation/ industrial hygiene, non- occupational environment.			
 1.5 Explain major constraints and limitations in the practices of occupational health in developing countries. 1.6 Discuss roles of Federal Ministries of Health and Labour in occupational health and safety. 	Explain the Evolution of occupational health from Industrial revolution in Europe. Explain the objectives of occupational health as defined	£.⁺		
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eral	Objective 2.0: Know the comp	ponents of occupation	al health and occ	inational health programs	nes in the industry	
	 2.1 Describe the components of occupational health. a. Occupational health medicine b. Industrial hygiene c. Industrial welfare services 2.2 Discuss the Professional Groups Involved in occupational health Services such as; a. Environmental Health Officer b. Occupational Health Nurse c. Occupational Physician d. Occupational Hygienist e. Industrial 	Explain the components of occupational health. h. Occupation al health medicine	Multimedia Projector Screen, Internet Textbooks Computer Flip charts Journals			
	e. Welfare Officers		176			<u> </u>



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		health risk areas in a work environment such as typical manufacturing industry, educational institution, recreation ground, offices and local occupations.				
General	Objective 3.0: 3.0 Evaluate the	types of occupationa	l hazards and dis	eases in an occupational en	vironment	
8-9	 3.1 Describe occupational hazards under the following: Chemical Physical Biological and Psychosocial 3.2 Describe the broad categories of occupational diseases e.g. Occupational lung diseases, Occupational cancer, Occupational asphyxiation, Occupational injuries/accidents 	occupational hazards under the following: i. Chemical ii. Physical	Journais			
	AATIN		178			

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		categories of				
		occupational				
		diseases e.g.				
		Occupational lung				
		diseases,				
		Occupational				
		dermatitis,				
		Occupational		C X Y		
		cancer,				
		Occupational				
		asphyxiation,				
		Occupational				
		injuries/accidents				
	General Objective 4.0: Und	erstand the major prin	ciples of controll	ing hazards in an occupation	nal environment	
	1	T				
10-12	4.1 Describe major	Explain major	Multimedia			
	principles for	principles for	Projector Screen,			
	controlling occupational		Internet			
	environment	occupational	Textbooks			
	a. Mechanical control	environment	Computer			
	e.g. Shielding,	a. Mechanical	Flip charts			
	ventilation etc.	control e.g.	Journals			
	, entitution etc.	Shielding,				
	b. Administrative	ventilation etc.				
	control e.g. works					
	practices etc.	b.				
	c. Personal Protective	Administrative				
	<u>A</u> Y		179			

	TION
Equipment (PPE) d. Elimination/Substitutio n e. Engineering control (e.g. Engine Design) f. Ergonomic control. 4.2 Identify protective clothing in various occupations e.g. hand gloves, etc. 4.3 Carry out factory inspection to identify hazards and recommend possible control measures.	control e.g. works practices etc. c. Personal Protective Equipment (PPE) d. Elimination/Sub stitution e. Engineering control (e.g. Engine Design) f. Ergonomic control.
AAIONA	Carry out factory 180

		inspection to identify hazards and recommend possible control measures.			auch l
	General Objective 5.0: Know	w the various occupation	onal health and sa	fety legislations	\checkmark
12-13	 5.1 Explain occupational health and safety laws under the following: Factories Act 1958 Factories Act 1987 Workman Compensation Act 1987 	Explain occupational health and safety laws under the following: - Factories Act 1958 - Factories Act 1987 - Workman Compensation Act 1987	Factory Acts of 1958, 1987 and the compensation act of 1987, Multimedia Projector Screen, Internet Textbooks Computer Flip charts Journals		
	General Objective 6.0: Rec	ognizes causes, effects	and prevention of	of Occupational Accident	
14-15	 6.1 Explain occupational Accident under the following; 6.1.1 Types of Accidents 6.1.2 Occupational 	Explain occupational Accident under the following; • Types of	Multimedia Projector Screen, Internet Textbooks Computer Flip charts		

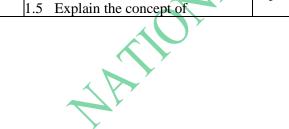


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Accident	Accidents Journals	
6.1.3 Causes,	Occupational Accident	
6.1.4 Effects	Causes,Effects	
 6.1.5 Control and Prevention 6.1.6 maintenance of Accident Register in work environment 6.1.7 Roles of various Stakeholders in the Prevention and control of Occupational accident. 	 Control and Prevention maintenance of Accident Register in work environment Roles of various Stakeholders in the Prevention and control of 	
	Occupational accident.	
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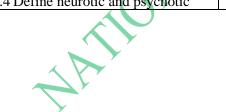
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PROGRAMME: NATIONAL DIPLOMA (ND) IN FAM	IILY HEALTHCARE TECH	NOLOGY	
COURSE: FAMILY MENTAL HEALTH	COURSE CODE: FHC 226	CONTACT HOURS: 30	
	CREDIT UNITS: 2	THEORETICAL: 1	
	PRE-REQUISITE:	PRACTICAL: 1	
YEAR: II SEMESTER: II			
GOAL : This course is designed to provide students with basic k	nowledge of the concepts of menta	health and mental illness	
GENERAL OBJECTIVES: On completion of this course,	the students should be able to:		
1.0 Understand the concepts associated with mental health and n			
2.0 Know the factors that cause mental health and mental disorde	ers		
3.0 Know the common mental illness and emergencies.			
4.0 Understand the management of some mental disorders			
5.0 Understand family mental health and referral services	\mathbf{V}		
6.0 Know the various methods of rehabilitation and management	of the mental illness within the far	nily	
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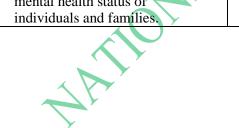
PROG	RAMME: NATIONAL DIPLOMA ((ND) IN FAMILY HEALTHCA	RE TECHNOLO	OGY	ATION	
COUR	SE: FAMILY MENTAL HEALTH	COURSE CODE: FHC	226	CONTACT HO	URS: 30	
		CREDIT UNITS: 2		THEORETICA	L:1	
YEAR	: II SEMESTER: II	PRE-REQUISITE:	Ċ	PRACTICAL:	1	
COUR	SE SPECIFIFCATION: THEORE	TICAL AND PRACTICAL				
GOAI	: This course is designed to provide stude	nts with basic knowledge of the conce	epts of mental heal	th and mental illness		
GENE	RAL OBJECTIVE 1.0: Understand the	concepts associated with mental healt	h and mental illnes	SS		
THEO	RETICAL CONTENT		$\mathbf{\hat{\mathbf{v}}}$	PRACTICAL CONT	ENT	
Week	Specific Learning Outcome T	eacher's Activities	Resources	Specific Learning Outcome	Teacher's Activities	Resources
1-2	1.4 Explain the emotional health needs of individuals, families	illness Explain the historical development of psychiatric healthcare in Nigeria and the world. Explain the concepts of mental healthcare in Nigeria. plain the emotional health needs of lividuals, families and the societies	Bulletins Charts Internet/Intranet Journals Lecture notes Pictorials			



				TION	
	personality development.	development	Projector		
			Text book	7	
			Marker board		
			Marker		
GEN	ERAL OBJECTIVE : 2. 0Know the f	factors that cause mental health and ment	al disorders		1
3-4	 2.1 Explain the theories and etiology of mental illness: Freudian Theory Biochemical Theory etc 2.2 List the various causes of mental illness under the following headings: 	 Explain the theories and etiology of mental illness: Freudian Theory Biochemical Theory etc Explain the various causes of mental illness under the following headings: 	Bulletins Charts Internet/Intranet Journals		
	 Physical causes Psychological causes Environmental causes Social causes 	 Physical causes Psychological causes Environmental causes Social causes 	Lecture notes Pictorials		
	2.3 Explain the factors that contribute to mental health	Explain the factors that contribute to mental health	Projector Text book		
GENE	ERAL OBJECTIVE: 3.0 Know the co	mmon mental illness and emergencies.			<u> </u>
5-7	3.1 Explain the pattern of behaviour disorders	Explain the pattern of behaviour disorders	Bulletins		
	 3.2 Explain the adaptive process in symptom formation 3.3 Explain the classification of mental disorders. 3.4 Define neurotic and psychotic 	Explain the adaptive process in symptom formation Explain the classification mental disorders.	Charts Internet/Intranet		



disorders. 3.5 Describe the signs & symptom of neurotic disorders i.e. - Anxiety - Phobia - Obsessive compulsive neurosis - Hypochondriasis - Neurasthenics etc. 3.6 Describe the signs & symptoms of psychotic disorders: - Schizophrenias - Depression - Mania - Manic / depressive psychotic disorders etc. - Organic disorders - Personality disorders - Personality disorders - Psychosomatic disorders - Emotional disorders of life cycle - Substance abuse (Drug and Alcohol) 3.7 Explain psychiatric Emergencies e.g suicidal	 Explain neurotic and psychotic disorders. Explain the signs & symptom of neurotic disorders i.e. Anxiety Phobia Obsessive compulsive neurosis Hypochondriasis Neurasthenics etc. Explain the signs & symptoms of psychotic disorders: Schizophrenias Depression Mania Manic / depressive psychotic disorders etc. Organic disorders Personality disorders Personality disorders Emotional disorders of life cycle Substance abuse (Drug and Alcohol) 	Journals Lecture notes Pictorials Projector Text book Marker-board Marker
attempt	R	
GENERAL OBJECTIVE: 4.0 Understand	the management of some mental disorder	rs
 8-9 4.1State the Mental Health Laws and Acts related to treatment of patients 4.2 Describe the assessment of mental health status of 	Explain the Mental Health Laws and Acts related to treatment of patients. Explain the assessment of mental health status of	Bulletins Charts Internet/Intranet



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	ain psychiatric emergencies heir management	Explain psychiatric emergencies and their management	Journals Lecture notes			
ment	ain the management of some al disorders: depression, ety, schizophrenia, substance	Explain the management of some mental disorders: depression, anxiety, schizophrenia, substance	Pictorials Projector	ED		
abuse	•	abuse etc.	Text book			
	ribe somatic therapy, activity py and Psychotherapy	Explain somatic therapy, activity therapy and Psychotherapy	Marker-board Marker			
		family mental health and referral service				
to the 5.2 Outlin	RELAPSE of mental illness	Explain the factors that contribute to the RELAPSE of mental illness Explain the traditional and other methods of treatment and man	Bulletins Charts			
mana perso comn	gement of mentally ill ns in the family and nunity.	agement of mentally ill persons in the family and community. Explain follow- up care and/home	Internet/Intranet Journals			
visits 5.4 Discu	iss the referral services in	visits. Explain the referral services in mental healthcare	Lecture notes			
menta	al healthcare.	2017	Pictorials Projector			
			Text book Marker-board			
		187				
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GENEI 12-15	 6.1 Outline the principles of rehabilitation of mentally ill persons. 6.2 Explain the methods of rehabilitation of the mentally ill persons in the family i.e. Half-way house or homes Day & Night Hospital Occasional leave/trial leave Sheltered workshop Parole 6.3 Outline the preventive measures of mental illness. 	 Explain the principles of rehabilitation of the mentally ill persons. Explain the methods of rehabilitation of the mentally ill persons in the family i.e. Half-way house or homes Day & Night Hospital Occasional leave/trial leave Sheltered workshop Parole Explain the preventive measures of mental illness 	Bulletins	Athin the family		
		BOHR				

DDACTICAL CUIDE FOD	ND FAMILY HEALTHCARE TECHNOLOGY
INTRODUCTION TO	
MICROBIOLOGY FHC	• Identify different types of microscopes and their parts
115	 Collect and carry out microscopic examination of sputum, urine tool, blood Examine a drop of pond water under the light and compound microscope, electron microscope Identify different kind of Microorganism Cultivate Microorganisms by growth characteristics. Identify Microorganisms by growth characteristics. Transfer microorganisms from one culture media to the other to obtain pure culture Isolate bacteria and fungi from dined food, milk, beverages, egg, vegetable, meat, bread, water e.t.c Identify microbiology wares Demonstrate maintaining laboratory hygiene and
	safety
ANATOMY AND PHYSIOLOGY I FHC 116	 Draw the diagram of the human cell Identify the different components of the cell Draw the diagram of the tissues Draw the diagram of the Heart Identify the instruments for measuring blood pressure Measure blood pressure Detect pulse Draw the diagram of the organs of the digestive
AATIO	189

system. 9. Fraw the diagram of the respiratory system. 0. Fraw the diagram of the nervous system. 0. Fraw the helpsical examination of a program. 0. Bast the the physical examination of a program. 0. Bast the the physical examination according to ladour. 0. Start the the number set for assessing the various. 0. Frame trolley/tray for physical examination according to ladour. 0. Start the sequence of the sequence of the sells. 0. Start the sequence of the sells. <		
190	HEALTH I FHC 121 BASIC HUMAN NUTRITION FHC 122 CLINICAL SKILLS 1	 Draw the diagram of the respiratory system Draw the diagram of the male and female reproductive organs. Draw the diagram of the nervous system Draw the diagram of the nervous system Draw the diagram of the excretory organs Draw male and female reproductive organs Carry out physical examination of a pregnant mother. Demonstrate the physical Examination of a pregnant woman Demonstrate the management of labour Identify classes of food and its functions. Carry out nutrition assessment Demonstrate interviewing and recording information from a client Carry out physical examination according to laid down rules Prepare trolley/tray for physical examination Identify instruments used for assessing the various vital Signs Identify the various sites used in assessing the various vital Signs Measure vital signs and interpret their results Explain reasons or tepid sponging Identify the equipment for tepid sponging Identify materials for preparation of SSS Prepare SSS to the correct strength
		190

 Demonstrate how to prepare and administer SSS Demonstrate the contents of packs for various procedures. (e.g., injection packs, dressing pack, e.t.c) Sterilize instruments, equipment and materials Demonstrate the use of mask, gloves and gowns Describe the principles and techniques of wound dressing Prepare a trolley/tray for wound dressing Dress wound applying aseptic techniques Care for drains in wound Remove sutures and clips from wounds Apply tourniquet to bleeding limbs Identify cold boxes and their uses Demonstrate maintaining a cold chain system Draw immunization schedule Identify the various routes for administering vaccines Identify the various nethods of administering injections Identify the outpment needed for the various method of Injection. Identify the sites of injection Identify the sites of injection Draw the organs of the Lymphatic system Draw the diagram of the human skeleton. Draw the diagram of the human skeleton. 			07
V V Draw the tragram of the numan muscles	PHYSIOLOGY II FHC	<pre>contents of packs for various injection packs, dressing pack, ints, equipment and materials use of mask, gloves and gowns ciples and techniques of wound ray for wound dressing ying aseptic techniques wound ind clips from wounds to bleeding limbs es and their uses itaining a cold chain system on schedule us routes for administering putes of administering injections us methods of administering ment needed for the various on. of the Lymphatic system</pre>	
Draw the diagram of the endocrine organ 191	ATIO		

	 Draw the diagram of the skin Draw the diagram of sense organs
ACCIDENT AND EMERGENCY FHC 126	 Draw the diagram of sense organs Identify the various equipment inside the first aid box Demonstrate how to manage accidents and emergency Carry out ABC role successfully
REPRODUCTIVE HEALTH II FHC 211	Demonstrate how to carry out: - Ante partum Intra partum
	 Post-partum care. Demonstrate how to carry out vaginal examination Demonstrate management of Perinea tear, episiotomy and Cord prolapsed Demonstrate how to carry out male circumcision Identify different types of family planning
CLINICAL SKILLS 11 FHC 215	 Set tray/trolleys for administration of medication Describe the procedures for drugs administration Through various routes (orally, rectally, topically, e.t.c.) Calculate ratio for dilution of lotion and rate of flow Of infusion
	 Demonstrate collecting urine specimen for laboratory test Observe the colour, odour, quantity reaction and specific gravity or urine specimen e.t.c
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	• Test the urine for various indications
	• Interpret urine test result
	• Carry out haemoglobin estimation with the use of
	Talquist
	• Read and interpret the hemoglobin level
	• Identify various method of carrying out visual
	acuity
	Carry out visual acuity test
	Interpret visual acuity test result
	Carry out breast examination
	Demonstrate breast examination
	• Demonstrate how to test the weighing scale and
	balance before weighing
	• Identify materials used in mid upper arm
	circumference measurement
HEALTH INFORMATICS	• Demonstrate how to operate computer
FHC 216	• Demonstrate how to input data and explain various
	types of data
	Demonstrate how to visualize data
ESSENTIAL DRUGS FHC 217	• Demonstrate how to administer drugs
217	 Identify the drugs under the following. -Generic name
	-Generic name -Indications
	-Centra-indicator
	-Toxicity
	• Identify drugs under the generic name toxicity e.t.c
ORAL HEALTH	• Draw and describe the diagram of the oral cavity
CARE FHC 221	Draw and describe the diagram of the human tooth.
<pre></pre>	Conduct oral examination
COMMUITY EAR, NOSE,	 Draw and label ear, nose, and throat.
THROAT, AND EYE	 Draw and label the eye
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CARE FHC 223	Carry out: Steam inhalation Nasal irrigation
ADOVACY AND COMMUNITY DIAGNOSIS FHC 224	 Visit Various Community Leaders to carryout advocacy Identify community resources Mobilize the community for action. Conduct situation analysis Carryout house numbering Carryout household listing Fill home base card Fill clinic master card
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AAID	ALBOARD

MINIMUM MATERIAL RESOURCES AND EQUIPMENT REQUIREMENT FOR NATIONAL DIPLOMA FAMILY HEALTHCARE PROGRAMME

CATION

S/N	ITEM	QUANTITY REQUIR
1.	Anatomy Charts of body systems	Assorted
2.	Anatomical models of body organs	Assorted
3.	Anatomy posters of body organs	Assorted
4.	Basic counselling strategy (BCS) pack	2
5.	Cold box with icepacks	3
6.	Medical Diagnostic set	3
7.	Dual sex Anatomical Torso	1
8.	Food demonstration items	Assorted
9.	Hanging weighing scale	5
10.	Complete set of bed	2
		195

11.	Wheelchair	1	CAT
12.	Couch	1	
13.	Walking sticks	2	\mathbf{y}
14.	Crutches	2 set	
15.	Mid-upper arm circumference strip (measuring tape2)	40	
16.	Neonatally	2,	
17.	Pedal waste bin	2	
18.	Pen Torches	4	
19.	Patient Screen	4	
20.	Skeleton (Articulated)	1	
21.	Snellen's charts	10	
22.	Sphygmomanometer	5	
23.	Stethoscope	5	
24.	Stretcher	2	
25.	Body Thermometer	Assorted	
26.	Tourniquet	5	
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27.	Trolleys	2	*
28.	Vaccine carrier	2	
29.	Wash hand basin	4	
30.	Weighing scales (infant)	4	
31.	Weighing scales with height	2	
32.	WHO Medical Eligibility Criteria Wheel (MEC)	2,	
33.	Timer	3	
34.	Towels (Big and Small)	10 each	
35.	Markintosh	5	
36.	Markintosh cape	5	
37.	Water Jugs	4	
38.	Kidney dishes with lids (different sizes)	10	
39.	Forceps (Various types)	Assorted	
40.	Drip stand	2	
41.	Gallipot with lids	Assorted	
12.	Mouth Mirrors	2	
		97	

43.	Periodontal probes	2
14.	Tweezers	2
45.	Mouth gag	2
46.	Mouth speculum	4
47.	Nasal speculum	2
48.	Microscope	
49.	Centrifuge	1
50.	Otoscope	1
51.	Ear forceps	Assorted
52.	Head light	2
53.	Sterilizing drum	Assorted
54.	Autoclave	1
55.	Oxygen cylinder	1
56.	Incubator	1
57.	Fire extinguisher	1
DEN	MONSTRATION CLINIC/TEACHING HEALTH CENT	TRE
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S/N	ITEM	QUANTITY	A
1.	Cold-chain (Cold Box)	1	
2.	Diagnostic set	1	
3.	Fetoscope	8	
4.	First Aid Kit	4	
5.	Food demonstration items	10 assorted	
6.	HMIS registers	As applicable	
7.	Pedal waste bin	2	
8.	Personal protective equipment (hand gloves, aprons, gowns, face masks, boots (different sizes)	1set each	
9.	Pulse Oximeter	2	
10.	Referral forms	As applicable	
11.	Refrigerator	1	
12.	Patient Screen	2	
13.	Snellen's charts	10	
14.	Sphygmomanometer (Aneroid, Mercury and Digital)	1 each	
		99	

	Description	Quantity
28.	Drip stand VISUAL LABORATORY	3
		3
27.	Weighing scale with height	1
26.	Weighing scale for children	2
25.	Wash hand Bowls/Sink	2
24.	Wash hand basin stand	3
23.	Wash hand basin	3
22.	Trays (small, medium and big sizes)	2 each
21.	Trolleys	3
20.	Metal tongue spatula	3,
19.	Tongue depressors (Wooden)	20
18.	Body thermometer and its jar	10
17.	Stretcher	
16.	Stethoscope (bell and Diaphragm)	3
15.	Standard Operational Procedures (SOP-FHC)	

1.	Computer set	2
2.	Flip Chart/book	8
3.	Mega phone	5
4.	Posters	Assorted
5.	Printer	1 P
6.	Projector	
7.	Projector Screen	1
8.	Public Address System	1 set
9.	Television set	1
10.	Video Camera	2
11.	Still Picture Camera	1
12.	Video player	1
13.	Marker board	1
14.	Makers	1pack
	20	1



LIST OF PARTICIPANTS FOR FINAL CRITQUE OF NATIONAL DIPLOMA IN FAMILY HEALTHCARE TECHNOLOGY HELD ON 12TH – 17TH FEBRUARY, 2024 NBTE CONSULT, NO.9 KAJURU CLOSE, UNGUWAR RIMI GRA, KADUNA

ATIOT

DAY 1

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