CURRICULUM AND COURSE SPECIFICATIONS FOR DIPLOMA IN MAGNETIC THERAPY

INTRODUCTION

In an age where technology, energy, and natural healing converge, **Magnetic Therapy** has emerged as one of the most promising modalities in the field of Complementary and Integrative Health care. Recognizing the immense potential of magnetic fields in supporting wellness and restoring balance in the human body, **Cyrillic College** presents a professionally structured **Diploma in Magnetic Therapy**.

As the global healthcare landscape continues to evolve, there is a renewed focus on integrative and non-invasive approaches to healing. Magnet therapy, once a traditional healing practice, has gained scientific validation and modern relevance—particularly for its role in pain management, circulation, nervous system support, and energetic balance.

Previously, Magnet Therapy education lacked structured standards, clinical emphasis, and modern scientific integration. The original curriculum, designed in 2021, served as a foundational guide but needed realignment with current developments in health science, energy medicine, digital diagnostics, and public health policy.

Informed by input from educational experts, licensed practitioners, and public health authorities, this updated curriculum was developed through a series of revisions and reviews. Its design prioritizes:

- **Core scientific foundations** in Introduction to Biomedical Sciences
- **Practical clinical exposure** through Supervised Clinical Experience (SCE)
- **Therapeutic mastery** of magnetic principles and their application in real-world settings
- **Professional readiness**, with training in ethics, research, business, and communication
- **Integration with digital health tools** and community-based approaches

This program ensures that graduates are not only skilled in the use of magnetic tools and techniques but also capable of communicating professionally, operating ethically, and participating in multidisciplinary health settings.

The Diploma in Magnet Therapy aims to produce professionals who are:

- Knowledgeable in the principles of magnetism and its application to human health
- Competent in assessing, planning, and implementing magnet-based treatments
- Grounded in both traditional healing philosophy and modern clinical science
- Committed to ethical practice and community service

DANIEL OMISANDE

REGISTRAR,

15 MAY, 2021.

ADMISSION REQUIREMENTS

PERSONAL QUALIFICATION

i) Physically and mentally fit.

ii) Able to communicate and work well with people in different settings

iii) Able to guide, supervise and give good leadership to his subordinates

iv) Be willing to live and work in the community

v) Mature, approachable, friendly and honest

vi) Able to work independently when necessary and make good judgment.

DURATION AND ENTRY QUALIFICATIONS

MODE OF STUDY	DURATION	ENTRY QUALIFICATIONS
ONLINE/ONSITE	12 MONTHS	5 O Level Credits including Mathematics and English Languag

CERTIFICATE AWARDED

Diploma in Magnet Therapy

GENERAL INFORMATION

Structure of the Programme:

The Diploma in **Magnetic Therapy** is a terminal programme structured to twelve (12) months (two semesters). Each semester shall comprise 16 contact weeks of structured academic activities, including lectures, practical exercises, quizzes, tests, and examinations. These programmes also incorporate mandatory periods of Supervised Clinical Experience (SCE), which serve to consolidate classroom learning with practical, real-world exposure.

Conditions for Award of Diploma:

The training institution shall award Diploma to students who successfully complete the full programme, including all prescribed coursework, examinations, the final project and the Supervised Clinical Experience (SCE).

GRADING SYSTEM

A standard **Five (5) Point Grading Scale** shall apply across all programs

FOR ONSITE STUDY:

Score Range	Grade	Grade Point
70 – 100%	A	5.00
60 – 69%	B	4.00
50 – 59%	C	3.00
45 – 49%	D	2.00
40 – 44%	E	1.00
Below 40%	F	0.00

FOR ONLINE STUDY:

Score Range	Grade	Grade Point
90 – 100%	A	5.00
80 – 89%	B	4.00
70 – 79%	C	3.00
60 – 69%	D	2.00
50 – 59%	E	1.00
Below 50%	F	0.00

Classification of Diploma:

Distinction	-	CGPA of 3.5 – 4.00
Upper Credit	-	CGPA of 3.0 – 3.49
Lower Credit	-	CGPA of 2.5 – 2.99
Pass	-	CGPA of 2.5 – 2.99
Fail	-	CGPA of 2.5 – 2.99

CONTINUOUS ASSESSMENT POLICY

1. **Onsite Studies:** 30% of each course grade shall be from continuous assessment and 70% from end-of-semester examinations.
2. **Online Studies:** 50% of the course grade shall be assessed internally by lecturers ('INTERNALS'), and 50% externally through the examination administered by the college ('EXTERNALS').
3. Continuous assessments may include formal and informal tests, workshop evaluations, laboratory work, field assignments, presentations, and other discipline-relevant methods.
4. Colleges must maintain computer systems with appropriate software to manage assessment records.
5. Teaching standards and examination quality shall be monitored through student surveys and peer evaluation. Outcomes will be shared with lecturers for continuous improvement.

SEMESTER EXAMINATIONS

1. Onsite students shall write semester exams weighted at 70%, while online students will take 100-MCQ (Multiple Choice Question) exams worth 50% of the final score. Students will be evaluated on their practitioner-readiness.
2. A minimum score of 40% (aggregate of C.A. and exam) is required to pass any course.
3. Eligibility to sit for exams includes 75% class attendance, filled course forms, and complete registration.
4. Students without valid continuous assessment records or who fail to meet INTERNALS/CA will be denied access to EXTERNALS/Examinations.

RESIT EXAMINATIONS AND POLICY

1. **No resit is allowed within the same semester.**
2. **First resit attempt**: N5,000 per credit unit.
3. **Second resit attempt**: N7,500 per credit unit.
4. **Third and subsequent attempts**: N10,000 per credit unit and mandatory re-enrolment in the course.
5. All attempts and scores shall be recorded and visible on the student's academic transcript.
6. This system ensures responsibility, academic integrity, and supports institutional sustainability.

EXAMINATION CONDUCT

Rules apply to both onsite and online students. Highlights include:

1. Punctuality: 30-minute window before and after exam commencement.
2. Ban on unauthorized materials, exchange of papers, and electronic devices.
3. Mandatory presentation of ID, fee clearance, and proper exam registration.
4. No impersonation, no leakages, no external assistance.
5. Strict supervision and surveillance are mandatory for online exams.
6. All misconducts carry stiff penalties, including carry-overs/backlogs, suspension, or expulsion depending on severity and recurrence.

PENALTIES FOR MISCONDUCT

Examples include:

1. Possession of unauthorized materials: Repeat the year.
2. Impersonation, assault on invigilator, or exam leakages: Immediate expulsion.
3. Non-submission of scripts, absence without excuse, and plagiarism: Carry-over or project rewrite.
4. Recurrent cheating: Dismissal without re-admission.

SUPERVISED INDUSTRIAL/CLINICAL EXPERIENCE (SIE)

1. Duration: Minimum of **15 weeks** between sessions.
2. Minimum of **10 out of 15 weekly visits** required.
3. Visits must be to a **licensed practitioner** or institution.
4. A **reference letter** will be provided by the college.
5. At completion, students submit:
    - A **logbook** or evaluation sheet.
    - A letter of performance from the host institution.

GPA/CGPA CALCULATION

1. **GPA (Grade Point Average):**

   GPA = Total (Grade Point × Credit Unit) ÷ Total Credit Units Taken

2. **CGPA (Cumulative Grade Point Average):**

   CGPA = Sum of Grade Points × Credit Units × 0.8 ÷ Total Registered Credit Units

This formula provides a weighted measure of overall academic performance across the duration of study.

FIRST SEMESTER

CODE	COURSE	DURATION	UNITS
BMS 101	Introduction to Biomedical Sciences	90hrs	6
RES 101	Research Methodology	45hrs	3
IPH 101	Introduction to Public Health	45hrs	3
MAG 101	Introduction, History and Principles of Magnetic Therapy	45hrs	3
MAG 102	Applied Physics in Magnetism	45hrs	3
MAG 103	Magnets and their Composition	45hrs	3
	TOTAL	315hrs	21

SECOND SEMESTER

CODE	COURSE	DURATION	UNITS
RES 201	Research Project	60hrs	3
SIWES 201	Supervised Industrial Work Experience Scheme (SIWES)	240hrs	4
CLI 201	Clinical Examinations and Diagnostics	45hrs	3
CIH 201	Ethical and Business Management Practices in Complementary and Integrative Healthcare	45hrs	3
MAG 201	Magnetic Therapy: Clinical Application and Therapeutics	45hrs	3
MAG 202	Techniques and Practice of Magnetic Therapy	45hrs	3
MAG 203	Ancillary Therapies Related to Magnetic Therapy	45hrs	3
	TOTAL	525hrs	22

COURSE TITLE	**INTRODUCTION TO BIOMEDICAL SCIENCES**
COUSRE CODE	**BMS 101**
DURATION	**90 HRS**
UNIT	**6.0**

GOAL:

This course provides a structured and clinically relevant foundation in biomedical sciences for students of complementary and integrative health sciences. It integrates core principles of anatomy, physiology, pathology, microbiology, biochemistry, nutrition, immunology, and pharmacology into a unified framework for understanding the human body in health and disease. Emphasis is placed not merely on knowledge acquisition, but on **clinical interpretation, patient safety, and responsible practice**. Students will develop the ability to recognize normal and abnormal processes, understand disease mechanisms, identify red flags, and apply biomedical reasoning within the scope of integrative healthcare. By the end of the course, students will possess the scientific literacy and clinical awareness required to engage safely, competently, and credibly in holistic health practice.

GENERAL OBJECTIVES:

1. Understand the scope and relevance of biomedical sciences in integrative healthcare practice.
2. Understand the structure and functional organization of the human body.
3. Understand fundamental mechanisms underlying health and disease.
4. Understand the role of microorganisms, immunity, and infection control in health.
5. Understand biochemical and nutritional principles governing body processes.
6. Understand the principles of pharmacology and safe therapeutic practice.
7. Apply biomedical knowledge in basic clinical reasoning, patient assessment, and decision-making.
8. Recognize red flag conditions and practice within safe professional limits.

GENERAL OBJECTIVES	PERFORMANCE OBJECTIVES
1.0 Understand foundations of biomedical sciences 2.0 Understand the structure and function of the human body.	On completion of this course, the student be able to: 1.1 Define biomedical sciences and explain their role in healthcare. 1.2 Explain the relevance of biomedical sciences to complementary and integrative medicine. 1.3 Describe the levels of biological organization (cell, tissue, organ, system). 1.4 Define homeostasis and explain its importance in health. 1.5 Define disease and outline its general causes (genetic, environmental, infectious, lifestyle). 1.6 Explain the relationship between biomedical knowledge and patient safety. 1.7 Describe ethical and legal responsibilities in clinical practice. 1.8 Recognize the limits of practice and the importance of referral. 2.1 Describe the structure and function of major body systems: • Musculoskeletal • Cardiovascular • Respiratory • Digestive • Nervous • Endocrine • Urinary • Reproductive • Immune • Integumentary 2.2 Relate structure to function in each system. 2.3 Explain the following physiological processes

	(homeostasis, cell division, inflammation, cellular respiration, metabolism, circulation, respiration, digestion, absorption, hepatic metabolism, renal excretion, thermoregulation, immune response, inflammation, acid-base balance, fluid and electrolyte balance, endocrine signaling, neurotransmission, blood sugar balance and protein synthesis) 2.4 Identify signs of normal vs abnormal function. 2.5 Relate system function to common clinical presentations (e.g., breathlessness, pain, fatigue).
3.0 Understand the mechanisms of health and disease.	3.1 Define pathology and pathophysiology. 3.2 Describe cellular adaptations (atrophy, hypertrophy, hyperplasia, metaplasia). 3.3 Differentiate reversible and irreversible cell injury. 3.4 Explain necrosis and its types. 3.5 Explain inflammation: • Causes • Acute vs chronic • Clinical signs and implications 3.6 Describe wound healing and factors affecting healing. 3.7 Explain hemodynamic disorders: • Edema • Thrombosis • Embolism • Shock 3.8 Explain fluid, electrolyte, and acid-base imbalances.

	3.9 Describe basic genetic and congenital disorders. 3.10 Explain immunopathology: • Hypersensitivity • Autoimmune disorders • Immunodeficiency 3.11 Explain neoplasia: • Benign vs malignant • Carcinogenesis • Warning signs of cancer 3.12 Explain metabolic disorders with emphasis on diabetes mellitus. 3.13 Relate disease mechanisms to observable patient signs and symptoms. 3.14 Identify red flag conditions requiring urgent referral.
4.0 Understand microbiology, immunity and infection control.	4.1 Define microbiology and describe its relevance in healthcare. 4.2 Identify major groups of microorganisms and describe the nature of their infections: • Bacteria • Viruses • Fungi • Parasites 4.3 Explain modes of transmission of infections. 4.4 Describe host defense mechanisms and immune response. 4.5 Explain factors influencing susceptibility to infection. 4.6 Identify common infections and their basic

	clinical features. 4.7 Explain principles of infection prevention and control. 4.8 Apply standard precautions in clinical and therapeutic settings. 4.9 Recognize risks of contamination in herbal and clinical practice. 4.10 Explain the role of natural antimicrobial agents and probiotics.
5.0 Understand biochemistry, nutrition and metabolism.	5.1 Define biochemistry and its relevance to health. 5.2 Explain energy production and metabolism (ATP, basic pathways). 5.3 Describe carbohydrates, proteins, and lipids: • Functions • Digestion • Absorption • Metabolism • Clinical relevance • Sources 5.4 Explain vitamins and minerals: • Functions • Deficiencies and excesses • Clinical implications • Sources 5.5 Explain hormonal regulation of metabolism. 5.6 Describe oxidative stress and the role of antioxidants. 5.7 Define nutrition and explain its relevance to integrative health care 5.8 Explain principles of balanced nutrition. 5.9 Apply basic nutritional assessment methods (BMI, waist circumference, MUAC, diet recall etc.).

	5.10 Relate nutrition to disease prevention and integrative care.
6.0 Understand pharmacology, therapeutics and clinical safety	6.1 Define pharmacology and key terminologies. 6.2 Explain basic pharmacokinetics (absorption, distribution, metabolism, excretion). 6.3 Explain pharmacodynamics (mechanism of drug action). 6.4 Identify major drug classes and their general uses. 6.5 Explain adverse drug reactions and toxicity. 6.6 Discuss herb-drug and supplement-drug interactions. 6.7 Explain safe principles of dosage and administration. 6.8 Identify populations requiring special caution (children, elderly, pregnancy). 6.9 Apply pharmacovigilance principles in practice. 6.10 Recognize unsafe practices and contraindications in integrative care.
7.0 Understand Emergency Response	7.1 Describe Vital Signs and their physiological significance 7.2 Describe the following vital signs, their physiological significance, methods of measurement, normal and abnormal values Pulse rate, Blood pressure, Breathing rate, Pain, Oxygen saturation, Respiratory rate, Blood glucose level 7.3Recognize warning signs of serious conditions: • Severe infection • Respiratory distress • Cardiac events • Neurological emergencies

	7.3 Explain Basic life support, advanced life support, pediatric life support, geriatric life support 7.4 Describe the components, indications, protocols, guidelines and precautions applicable to delivering the following: Basic life support, advanced life support, pediatric life support, geriatric life support
8.0 Understand Patient assessment, communication, health promotion, and application of findings	8.1 Conduct a basic health history interview, including main complaint, symptom analysis, and relevant background. 8.2 Demonstrate respectful, professional patient communication. 8.3 Explain determinants of health and preventive health measures. 8.4 Develop and deliver basic health education talks for individuals or groups. 8.5 Integrate biomedical, nutrition, and clinical observation findings to inform safe practice. 8.6 Identify when referral is necessary and act appropriately.

COURSE TITLE	**INTRODUCTION TO PUBLIC HEALTH**
COUSRE CODE	**IPH 101**
DURATION	**45 HRS**
UNIT	**3.0**

GOAL:

This course introduces students to the principles and practice of public health, emphasizing health promotion, disease prevention, and community-level interventions relevant to Complementary and Integrative Healthcare (CIH).

GENERAL OBJECTIVE: On completion of the course, the student should be able to:

1.0 Understand the concept, history, and scope of public health.

2.0 Understand determinants of health and disease.

3.0 Understand epidemiology and its application.

4.0 Understand the role of health education and promotion.

5.0 Understand environmental and occupational health.

6.0 Understand primary health care and community health services.

7.0 Understand the role of CIH in public health.

GENERAL OBJECTIVES	PERFORMANCE OBJECTIVES
	On completion of this course, the student be able to:
1.0 Understand the concept, history, and scope of public health	1.1 Define public health. 1.2 Explain the goals and functions of public health. 1.3 Discuss the history of public health and its evolution.
2.0 Understand determinants of health and disease	2.1 Explain biological, environmental, social, and cultural determinants of health. 2.2 Discuss health inequalities and their impact. 2.3 Explain the concept of risk factors and protective factors.
3.0 Understand epidemiology and its application	3.1 Define epidemiology. 3.2 Describe measures of disease frequency (incidence, prevalence, mortality). 3.3 Explain epidemiological methods (descriptive, analytical, experimental). 3.4 Apply epidemiology to understanding disease prevention and health trends.
4.0 Understand the role of health education and promotion	4.1 Define health education and health promotion. 4.2 Discuss communication methods for health promotion. 4.3 Explain the importance of lifestyle modification in disease prevention.
5.0 Understand environmental and occupational health	5.1 Explain the impact of water, sanitation, and waste management on health.

	5.2 Discuss air, soil, and food pollution and their health consequences. 5.3 Explain occupational hazards and workplace health.
6.0 Understand primary health care and community health services	6.1 Define primary health care (PHC). 6.2 Explain principles of PHC. 6.3 Discuss community participation in health services. 6.4 Explain integration of CIH into primary health care.
7.0 Understand the role of CIH in public health	7.1 Discuss the contribution of complementary health care to health promotion. 7.2 Explain the role of CIH in preventing non-communicable diseases. 7.3 Discuss CIH interventions in maternal, child, and community health.

COURSE TITLE: **SUPERVISED INDUSTRIAL WORK**

EXPERIENCE SCHEME

COURSE CODE: **SIWES 201**

DURATION: **240 HRS**

UNIT: **4.0**

GOAL: This course is designed to introduce the student to field practical's in industrial settings.

GENERAL OBJECTIVES: On completion of this course, the student should be able to

1.0 Know what is required of them in industrial settings

2.0 Know how to carry out simple responsibilities in industrial settings

COURSE TITLE	**CLINICAL EXAMINATION AND DIAGNOSTICS**
COUSRE CODE	**CLI 201**
DURATION	**45 HRS**
UNIT	**3.0**

GOAL:

This course equips students with the foundational knowledge and practical skills required for safe and structured clinical assessment within Complementary and Integrative Healthcare (CIH). It emphasizes systematic patient evaluation, clinical observation, basic diagnostic reasoning, and appropriate referral practices. Students will learn how to take a comprehensive patient history, perform basic physical examinations, interpret observable signs, and understand the role and limitations of laboratory and imaging investigations. The course prioritizes **clinical safety, professional boundaries, and responsible decision-making**, ensuring that students operate competently within their scope of practice. By the end of the course, students will be able to assess patients methodically, recognize patterns of illness, identify red flags, and communicate findings clearly and professionally.

GENERAL OBJECTIVE: On completion of the course, the student should be able to:

1. Understand the principles, scope, and ethical responsibilities of clinical examination in CIH practice.
2. Conduct structured patient history taking and basic physical examination.
3. Apply standard clinical examination techniques and interpret findings at a basic level.
4. Understand the purpose, indications, and limitations of laboratory and imaging investigations.
5. Recognize clinical red flags and medical emergencies requiring referral.
6. Apply basic clinical reasoning in assessing patient conditions.
7. Document findings and communicate effectively with patients and other healthcare professionals.
8. Practice safely within defined professional limits.

GENERAL OBJECTIVES	PERFORMANCE OBJECTIVES
1.0 Understand the principles and ethics of clinical examination	On completion of this course, the student be able to: 1.1 Define clinical examination, diagnosis, assessment, and clinical impression. 1.2 Differentiate between biomedical diagnosis and functional/integrative assessment. 1.3 Discuss the scope of practice of CIH practitioners. 1.4 Explain ethical principles including consent, confidentiality, and professionalism. 1.5 Explain medico-legal implications of improper assessment or delayed referral. 1.6 Identify situations where examination should be limited or avoided. 1.7 Describe the importance of referral culture in integrative healthcare practice.
2.0 Know how to take structured patient history	2.1 Explain the importance of patient history in diagnosis. 2.2 Conduct a structured consultation using a standard framework: • Patient identification and rapport building • Chief complaint • History of presenting illness (onset, duration, progression, severity) • Red flag screening • Past medical and surgical history • Drug, herbal, and supplement history • Family history • Social and lifestyle history

	2.3 Apply symptom analysis techniques (e.g., location, quality, triggers, relieving factors). 2.4 Incorporate integrative assessment perspectives (nutrition, lifestyle, stress, environment). 2.5 Apply basic traditional questioning methods (where appropriate). 2.6 Identify inconsistencies or gaps in patient history. 2.7 Document patient history clearly and accurately.
3.0 Understand physical examination techniques and clinical signs	3.1 Explain and demonstrate the four basic examination techniques: • Inspection • Palpation • Percussion • Auscultation 3.2 Measure and interpret vital signs: • Pulse • Blood pressure • Respiratory rate • Temperature • Oxygen saturation 3.3 Use basic clinical instruments (thermometer, sphygmomanometer, stethoscope). 3.4 Identify and interpret basic clinical signs: • Pallor, jaundice, cyanosis • Edema • Dehydration • Abnormal breathing patterns • Pain responses

	3.5 Perform basic system-focused examinations: • Cardiovascular • Respiratory • Abdominal • Musculoskeletal • Neurological (basic level) 3.6 Interpret simple clinical findings and relate them to possible conditions.
	4.1 Identify the following investigations: • Full blood count • Blood glucose • Lipid profile • Renal function test • Liver function test • Urinalysis • Blood pressure • Electrolyte panel • Malaria test • Pulse oximetry • Hemoglobin A1c (HbA1c) 4.2 Explain the purpose and basic interpretation of these tests. 4.3 Describe imaging modalities and their indications: • X-ray • Ultrasound • CT scan • MRI
4.0 Understand the use and interpretation of laboratory and imaging investigations	4.4 Explain indications and limitations of laboratory and imaging investigations.

	4.5 Recognize when tests are necessary or unnecessary. 4.6 Identify situations requiring referral for diagnostic confirmation. 4.7 Avoid over-interpretation beyond scope of practice.
5.0 Apply Clinical reasoning and symptom-based assessment	5.1 Explain the concept of clinical reasoning. 5.2 Apply symptom clustering to patient complaints. 5.3 Differentiate functional disturbances from pathological conditions. 5.4 Assess common presentations: • Fever • Headache • Fatigue • Pain (general and localized) • Digestive disturbances • Breathlessness 5.5 Formulate basic clinical impressions. 5.6 Decide on appropriate next steps: • Monitor • Support • Refer 5.7 Recognize uncertainty and act cautiously.
6.0 Apply red flags, emergencies, and referral protocols	6.1 Define red flags and medical emergencies. 6.2 Identify critical warning signs: • Chest pain • Sudden weakness or paralysis • Severe abdominal pain • Difficulty breathing

	• High fever with systemic symptoms • Uncontrolled bleeding 6.3 Recognize signs of: • Cardiovascular emergencies • Neurological emergencies • Severe infections • Metabolic crises 6.4 Explain immediate actions required in emergencies. 6.5 Apply referral protocols effectively. 6.6 Understand limits of CIH intervention in acute conditions.
7.0 Understand documentation, professional communication and case management	7.1 Document clinical findings using SOAP format. 7.2 Prepare referral notes and case summaries. 7.3 Communicate clearly with patients and caregivers. 7.4 Communicate effectively with other healthcare professionals. 7.5 Maintain accurate and confidential patient records. 7.6 Demonstrate professional conduct in clinical interactions.

COURSE TITLE	**RESEARCH METHODOLOGY**
COUSRE CODE	**RES 101**
DURATION	**45 HRS**
UNIT	**3.0**

GOAL: This course is designed to equip the student with the knowledge and skills of research methodology to enable him/her to present research report.

GENERAL OBJECTIVES: At the end of this course the student should be able to:

1.0 Understand the concept, nature and importance of research.

2.0 Understand the concept of research methodology.

1.0 Know the methods of data collection

4.0 Understand methods of data analysis and presentation.

1.0 Understand the presentation of research report.

GENERAL OBJECTIVES	PERFORMANCE OBJECTIVES
1.0 Understand the concept, nature and importance of research.	On completion of this course, the student should be able to: 1.1 Define research and explain its nature and importance. 1.2 Discuss various types of research (historical, experimental, descriptive, qualitative, and mixed methods). 1.3 Explain the role of research in CIH, clinical practice, and policy development.
2.0 Understand the concept of research methodology.	2.1 Define research methodology and distinguish it from research methods. 2.2 Explain the elements of a research design. 2.3 Enumerate the steps in the basic research process. 2.4 Discuss ethical considerations in research, including informed consent, confidentiality, and integrity.
3.0 Know the methods of data collection.	3.1 Define data and explain the difference between primary and secondary data. 3.2 Discuss qualitative data collection methods (observation, interviews, focus groups). 3.3 Discuss quantitative data collection methods (questionnaires, experiments, surveys). 3.4 Explain sampling and sampling techniques (probability and non-probability sampling).

4.0 Understand methods of data analysis and presentation.	4.1 Explain descriptive statistics (mean, median, mode, standard deviation, frequency distribution). 4.2 Discuss inferential statistics (parametric and non-parametric tests). 4.3 Explain qualitative data analysis techniques (thematic analysis, coding). 4.4 Demonstrate appropriate methods of presenting research findings (tables, charts, graphs, narrative).
5.0 Understand the presentation of research report.	5.1 Explain the general format of a research report: i. Preliminary pages (title page, acknowledgments, abstract, table of contents). ii. The main body (Chapters I–V: Introduction, Literature Review, Methodology, Results, Discussion/Conclusion). iii. References and appendices. 5.2 Discuss best practices for writing and presenting research work. 5.3 Explain plagiarism, referencing styles (APA, Vancouver, etc.), and academic integrity.

COURSE TITLE	**RESEARCH PROJECT**
COUSRE CODE	**RES 201**
DURATION	**45 HRS**
UNIT	**3**

GOALS: This course is designed to equip the student with the knowledge and ski to enable him/her carry out simple survey.

GENERAL OBJECTIVES: On completion of this course, the student should be able to:

1.0 Understand how to write and present a research project on their discipline-related topics.

GENERAL OBJECTIVES	PERFORMANCE OBJECTIVES
1.0 Understand how to write and present a research project on related topics.	On completion of this course, the student should be able to: 1.1 Use his knowledge in basic research methods to carry out and write a research project in the following presentation: A. Preliminaries: ix. Title page x. Approval I Certification page xi. Dedication page. xii.Acknowledgement xiii. Table of Content xiv. List of Tables xv. List of Figures xvi. Abstract G. Chapter One: Introduction including; background of the study, statement of the problem, purpose (or objective) of the study, significance of the study, research questions and/ or hypothesis (ses), Delimitation of the study, definition of terms (if any), etc. H. Chapter Two: Literature Review. I. Chapter Three: Research Methodology. J. Chapter Four: Data Presentation and Analysis. K. Chapter Five: Summary, Findings, Discussion of findings, Conclusion, Implications and Recommendations, Limitations of the study (if any), Suggestions for further studies. L. References (APA format is recommended). M. Appendix

COURSE TITLE	**ETHICAL AND BUSINESS MANAGEMENT PRACTICES IN COMPLEMENTARY AND INTEGRATIVE HEALTHCARE**
COUSRE CODE	**CIH 201**
DURATION	**45 HRS**
UNIT	**3**

GOALS: This course is designed to equip the student with the knowledge and skills required for establishing and managing a professional Complementary and Integrative Healthcare (CIH). Emphasis is placed on ethical conduct, regulatory compliance, business design, financial management, and patient-centered professionalism in line with Nigerian laws and global best practices.

GENERAL OBJECTIVES: On completion of this course, the student should be able to:

1.0 Understand the principles of ethics in health care and their application to Complementary and Integrative healthcare.

2.0 Understand patient rights, autonomy, cultural and religious considerations in Complementary and Integrative healthcare.

3.0 Understand legal and regulatory frameworks guiding Complementary and Integrative healthcare in Nigeria.

4.0 Understand business design, types of business entities, and processes for establishing a Complementary and Integrative healthcare.

5.0 Understand financial management, taxation, and record-keeping requirements for small health businesses.

6.0 Understand marketing, branding, and professional reputation management in Complementary and Integrative healthcare.

7.0 Integrate ethical and business principles into sustainable Complementary and Integrative

healthcare.

GENERAL OBJECTIVES	PERFORMANCE OBJECTIVES
	On completion of this course, the student be able to:
1.0 Understand the principles of ethics in health care and their application to CIH	1.1 Define ethics and medical ethics. 1.2 Discuss theories and principles of ethics (autonomy, beneficence, non-maleficence, justice). 1.3 Explain CIH-specific ethical issues such as consent, honesty, and confidentiality. 1.4 Describe codes of conduct for CIH practitioners.
2.0 Understand patient rights, autonomy, cultural and religious considerations in CIH practice	2.1 Define patient rights and autonomy in CIH. 2.2 Discuss respect for cultural and religious healing traditions. 2.3 Explain cultural competence and its relevance in Nigerian society.
3.0 Understand legal and regulatory frameworks guiding CIH in Nigeria	3.1 Identify relevant regulatory agencies (Federal Ministry of Health, Nigerian Council of Physicians of Natural Medicine, etc). 3.2 Describe licensing, certification, and accreditation requirements. 3.3 Discuss malpractice, liabilities, and penalties for misconduct. 3.4 Outline company and health practice laws relevant to CIH.
4.0 Understand business design, types of business entities, and processes for	4.1 Differentiate between sole proprietorship, partnership, and limited liability company.

establishing a Complementary and Integrative healthcare	4.2 Discuss the pros and cons of each structure for CIH practices. 4.3 Outline the process of CAC registration for a health business. 4.4 Explain the importance of business plans and strategic planning. 4.5 Discuss organizational structure and hierarchy within a Complementary and Integrative healthcare.
5.0 Understand financial management, taxation, and record-keeping requirements for small health businesses	5.1 Identify sources of start-up capital. 5.2 Explain Nigerian tax obligations (e.g. VAT, PAYE, Company Income Tax). 5.3 Demonstrate preparation of basic financial statements. 5.4 Discuss cost control, pricing of services, and break-even analysis. 5.5 Explain the importance of proper record-keeping and accounting in health businesses.
6.0 Understand marketing, branding, and professional reputation management in CIH	6.1 Define marketing and branding in the health sector. 6.2 Discuss ethical marketing and patient outreach. 6.3 Explain digital platforms (social media, websites) and their role in CIH visibility. 6.4 Highlight the risks of false claims and unethical advertising. 6.5 Discuss strategies for building patient trust and long-term loyalty.
7.0 Integrate ethical and business principles into sustainable CIH practice	7.1 Develop a business and ethical code of conduct for a hypothetical CIH practice.

	7.2 Present a model clinic design incorporating legal, ethical, and business requirements. 7.3 Evaluate case studies of ethical and unethical business practices in CIH.

COURSE TITLE	**INTRODUCTION, HISTORY AND PRINCIPLES OF MAGNETIC THERAPY**
COUSRE CODE	**MAG 101**
DURATION	**45 HRS**
UNIT	**3.0**

GOAL: This course introduces the historical development, scientific foundations, and philosophical principles of magnetic therapy, positioning it within natural and energy-based health systems while distinguishing established knowledge from emerging theories.

GENERAL OBJECTIVES: On completion of the course this student should be able to:

1.0 Explain the principles of natural and energy-based medicine
2.0 Describe the origin and development of magnetism and its therapeutic use
3.0 Differentiate scientific concepts from theoretical models in biomagnetism
4.0 Explain foundational principles of magnetic therapy
5.0 Apply critical thinking in evaluating magnetic therapy concepts

GENERAL OBJECTIVE	PERFORMANCE OBJECTIVES
1.0 Understand Natural and Energy Medicine	1.1 Define natural medicine and its scope 1.2 Explain core principles (vitalism, non-invasiveness, individualization) 1.3 Describe the roles, ethics, and responsibilities of a practitioner 1.4 Define energy medicine within a clinical and conceptual framework 1.5 Differentiate between established therapies and emerging models
2.0 Understand The Magnet and Historical Development	2.1 Define a magnet and its fundamental properties 2.2 Trace early uses of magnetism in healing traditions 2.3 Discuss contributions of key figures such as William Gilbert and Franz Anton Mesmer 2.4 Explain the transition from philosophical magnetism to scientific study 2.5 Classify magnets (natural, artificial, permanent, temporary, static, PEMF)
3.0 Understand Biomagnetism and the Human System	3.1 Define biomagnetism in measurable biological terms 3.2 Describe electrical activity in the body (heart, brain) 3.3 Introduce the concept of biofields 3.4 Explain the Earth's magnetic field and its basic characteristics

	3.5 Critically examine claims about Schumann resonance and biological impact 3.6 Identify tools used in studying biomagnetic activity
4.0 Understand the Foundations of Magnetic Therapy	4.1 Define magnetic therapy and describe its scope of practice 4.2 Explain proposed mechanisms: • Ion movement • Microcirculation • Neuromuscular effects 4.3 Describe blood composition and relevance to circulation 4.4 Explain physiological responses to magnetic exposure 4.5 Discuss electromagnetic frequency concepts 4.6 Review selected experimental studies 4.7 Define key terminology used in magnetic therapy practice
5.0 Understand Critical Thinking and Scientific Responsibility	5.1 Differentiate evidence-based findings from anecdotal claims 5.2 Identify limitations of current research in magnetic therapy 5.3 Apply critical thinking in evaluating new information 5.4 Develop responsible communication strategies with patients

COURSE TITLE	**APPLIED PHYSICS IN MAGNETISM**
COUSRE CODE	**MAG 102**
DURATION	**45 HRS**
UNIT	**3.0**

GOAL: This course equips students with essential physical principles required to understand, interpret, and safely apply magnetic therapy devices, with emphasis on motion, forces, energy, and fundamental magnetic interactions.

GENERAL OBJECTIVES: On completion of this course, the student will be able to:

1.0 Define fundamental physical quantities and units relevant to motion and energy
2.0 Explain the laws of motion and their relevance to physical systems
3.0 Analyze forces including friction and their effects on motion
4.0 Differentiate between work, energy, and power in practice
5.0 Explain the principles of magnetism and electromagnetic interactions
6.0 Relate physical laws to the operation and application of magnetic therapy devices

GENERAL OBJECTIVES	PERFORMANCE OBJECTIVES
1.0 Understand Measurement and Basic Concepts in Physics	On completion of this course, the student be able to: 1.1 Define physical quantities and SI units 1.2 Differentiate between scalar and vector quantities 1.3 Describe motion using displacement, velocity, and acceleration 1.4 Apply basic equations of motion to simple systems 1.5 Interpret motion in therapy (patient positioning, device stability)
2.0 Understand Motion and Force	2.1 Explain Newton's First Law in relation to body positioning and device placement 2.2 Apply Newton's Second Law to force interactions in therapy setups 2.3 Interpret Newton's Third Law in contact forces (body and device interaction) 2.4 Define force and identify types relevant to therapy 2.5 Analyze real-life applications in clinical environments
3.0 Understand Friction and Mechanical Interaction	3.1 Define friction and its types (static, kinetic) 3.2 Explain laws of friction 3.3 Analyze the role of friction in patient handling and equipment use 3.4 Apply friction concepts to improve safety and efficiency

4.0 Understand Work, Energy and Power	4.1 Definition of work 4.2 Forms of energy (kinetic, potential) 4.3 Conservation of energy 4.4 Power and efficiency 4.5 Practical applications in therapeutic devices
5.0 Understand Fundamentals of Magnetism	5.1 Define magnetism and magnetization 5.2 Describe magnetic fields and field lines 5.3 Identify sources of magnetic fields 5.4 Explain magnetic field strength 5.5 Describe interaction between magnetic fields and materials 5.6 Explain basic electromagnetic induction 5.7 Describe the concept of electromagnetic induction 5.8 Explain Lorentz force qualitatively 5.9 Introduce Maxwell's equations as a unifying framework
6.0 Understand Application to Magnetic Therapy	6.1 Relate magnetic field concepts to therapeutic devices 6.2 Interpret how magnetic strength influences application 6.3 Explain interaction between magnetic fields and biological tissues 6.4 Apply physical principles to safe device handling 6.5 Evaluate limitations of physical models in clinical practice

COURSE TITLE	**MAGNETS AND THEIR COMPOSITION**
COUSRE CODE	**MAG 103**
DURATION	**45 HRS**
UNIT	**3.0**

GOAL: This course provides a structured foundation in magnetism, focusing on the composition, classification, measurement, and behaviour of magnets, and their safe and effective application in therapeutic practice.

GENERAL OBJECTIVES: On completion of the course the students should be able to:

1.0 Understand the structure and classification of magnets
2.0 Analyze magnetic strength using scientific parameters
3.0 Classify and evaluate magnetic materials
4.0 Apply knowledge of magnetic poles in therapy
5.0 Integrate safety and clinical considerations in magnetic therapy

GENERAL OBJECTIVES	PERFORMANCE OBJECTIVES
	On completion of this course, the student be able to:
1.0 Understand Structure and Classification of Magnets	1.1 Classify magnets into natural and artificial types 1.2 Differentiate between temporary and permanent magnets with examples 1.3 Describe the internal structure and domains of magnets 1.4 Explain the principles and construction of electromagnets 1.5 Identify types of electromagnets and their applications 1.6 Evaluate advantages and limitations of electromagnets 1.7 Identify magnets commonly used in therapeutic practice
2.0 Understand Magnetic Strength and Measurement	2.1 Define magnetic field strength and flux density 2.2 Differentiate between Gauss and Tesla measurements 2.3 Interpret magnet grades (e.g., N35, N52) in practical use 2.4 Explain pull force and its limitations as a measurement 2.5 Analyze factors affecting magnetic strength (material, size, shape, temperature, distance) 2.6 Apply magnetic strength concepts to therapeutic device selection

3.0 Understand Magnetic Materials	3.1 Classify magnetic materials into: • Ferromagnetic • Paramagnetic • Diamagnetic 3.2 Provide examples of each category 3.3 Explain relevance of material composition in magnet performance
4.0 Understand Magnet Poles and Behavior	4.1 Identify magnetic poles and field direction 4.2 Explain interaction between like and unlike poles 4.3 Analyze polarity effects in therapeutic applications 4.4 Apply pole selection principles in clinical scenarios
5.0 Understand Clinical Application and Safety	5.1 Describe therapeutic uses of magnets in clinical settings 5.2 Identify indications for magnetic therapy 5.3 Outline contraindications and precautions 5.4 Demonstrate safe handling and placement of magnets 5.5 Discuss current evidence, limitations, and ethical considerations

COURSE TITLE	**MAGNETIC THERAPY: CLINICAL APPLICATION AND THERAPEUTICS**
COUSRE CODE	**MAG 201**
DURATION	**45 HRS**
UNIT	**3.0**

GOAL: This course equips students with the knowledge and structured clinical approach required to safely apply magnetic therapy in real-world settings. Emphasis is placed on treatment planning, protocol development, patient-centered care, safety, and professional boundaries. Students will learn to translate clinical findings into appropriate therapeutic interventions.

GENERAL OBJECTIVES: On completion of this course the student should be able to:

1. Apply a structured clinical framework to magnetic therapy practice
2. Integrate patient assessment findings into safe treatment planning
3. Develop standardized magnetic therapy protocols for common conditions
4. Apply magnetic therapy for supportive care within defined scope
5. Monitor patient response and adjust treatment appropriately
6. Identify contraindications, red flags, and referral needs
7. Practice safely, ethically, and within professional limits

GENERAL OBJECTIVES	PERFORMANCE OBJECTIVES
	On completion of this course, the student be able to:
1.0 Understand the Clinical Framework of Magnetic Therapy	**1.1** Define clinical application in magnetic therapy **1.2** Explain the role of magnetic therapy in supportive and integrative care **1.3** Differentiate between: • Symptom management • Functional support • Disease treatment (outside scope) **1.4** Identify appropriate therapeutic goals: • Pain relief • Circulatory support • Relaxation and stress reduction • Functional improvement **1.5** Explain scope of practice and professional boundaries **1.6** Distinguish evidence-based practice from unverified claims
2.0 Integrate Patient Assessment into Therapy Planning	**2.1** Utilize findings from clinical assessment: • Patient history • Symptoms • Vital signs • Observations **2.2** Identify key factors influencing treatment: • Age • General health status

	• Sensitivity • Duration of condition **2.3** Differentiate: • Acute vs chronic conditions • Mild vs severe presentations **2.4** Identify cases suitable for magnetic therapy support **2.5** Recognize cases requiring immediate referral
3.0 Develop Structured Treatment Plans	**3.1** Define components of a treatment plan: • Assessment summary • Therapeutic goal • Method of application • Duration and frequency • Monitoring plan **3.2** Select appropriate: • Magnet type • Strength • Polarity • Placement **3.3** Determine treatment parameters: • Session duration • Frequency of application • Course of treatment **3.4** Adapt treatment plans based on: • Patient response • Comfort

	• Safety considerations
4.0 Apply Standardized Therapeutic Protocols	**4.1** Develop protocols for common therapeutic goals: **a. Pain Management** • Musculoskeletal pain • Joint discomfort • Mild inflammatory conditions **b. Circulatory Support** • Poor peripheral circulation • Muscle fatigue **c. Stress and Nervous System Support** • Insomnia • Mild anxiety • Tension-related symptoms **d. Functional Support** • Digestive discomfort • General fatigue **4.2** Demonstrate appropriate magnet placement strategies **4.3** Apply polarity principles where applicable **4.4** Evaluate effectiveness of each protocol
5.0 Monitor Patient Response and Outcomes	**5.1** Define indicators of improvement: • Pain reduction • Improved function • Better sleep • Patient-reported outcomes

	5.2 Identify lack of improvement or worsening symptoms **5.3** Modify or discontinue treatment appropriately **5.4** Maintain accurate treatment records **5.5** Apply basic outcome evaluation methods
6.0 Identify Contraindications, Red Flags, and Referral Needs	**6.1** Identify contraindications including: • Pacemakers and implanted devices • Pregnancy • Active bleeding • Severe or undiagnosed conditions **6.2** Recognize clinical red flags: • Chest pain • Difficulty breathing • Sudden neurological symptoms • Severe unexplained pain **6.3** Differentiate: • Conditions suitable for support • Conditions requiring medical care **6.4** Apply appropriate referral protocols **6.5** Avoid overreach beyond professional scope
7.0 Apply Case-Based Clinical Reasoning	**7.1** Analyze simple case scenarios **7.2** Identify appropriate therapeutic goals **7.3** Develop safe and structured treatment plans **7.4** Justify treatment decisions based on clinical reasoning **7.5** Identify when not to treat and refer appropriately

COURSE TITLE	**TECHNIQUES AND PRACTICE OF MAGNETIC THERAPY**
COUSRE CODE	**MAG 202**
DURATION	**45 HRS**
UNIT	**3.0**

GOAL: This course equips students with practical skills in the application of magnetic therapy, emphasizing proper techniques, treatment planning, safety, and critical evaluation of both traditional and contemporary practices.

GENERAL OBJECTIVES: On completion of the course this student should be able to:

1.0 Apply appropriate magnetic therapy techniques in clinical scenarios
2.0 Demonstrate understanding of core principles guiding treatment application
3.0 Prepare and evaluate magnetised substances within a controlled framework
4.0 Develop structured therapeutic plans for common conditions
5.0 Practice safely within defined professional boundaries

GENERAL OBJECTIVES	PERFORMANCE OBJECTIVES
	On completion of this course, the student be able to:
1.0 Understand Techniques of Application of Magnetic Therapy	1.1 Differentiate between general and local methods of application 1.2 Demonstrate correct placement of magnets for both methods 1.3 Apply polarity principles in treatment design 1.4 Describe standardized application techniques and their indications 1.5 Evaluate patient response to different application methods
2.0 Understand Principles of Magnetic Therapy Application	2.1 Explain key principles: • Duration and frequency of application • Contact and non-contact methods • Orientation and positioning • Selection based on magnet strength and type 2.2 Assess patient-specific factors (age, sensitivity, condition severity) 2.3 Identify appropriate tools (belts, pads, rollers etc.) and their use 2.4 Apply safety precautions and contraindications in all procedures
3.0 Understand Magnetised Substances	3.1 Describe traditional concepts behind magnetised substances

	3.2 Explain proposed mechanisms and **scientific limitations** 3.3 Demonstrate controlled preparation of magnetised water 3.4 Outline safe usage guidelines and dosage considerations 3.5 Evaluate claims critically and distinguish evidence from anecdote 3.6 Discuss other magnetised media (oil, etc.) within a cautious framework

4.0 Understand Therapeutic Applications in Practice	4.1 Apply magnetic therapy techniques to **selected groups of conditions**, including: • Musculoskeletal disorders • Circulatory issues • Stress-related conditions • Mild functional disorders 4.2 Develop structured treatment plans: • Assessment • Application • Monitoring • Adjustment 4.3 Document treatment procedures and patient outcomes 4.4 Identify non-responsive cases and initiate referral

COURSE TITLE	**ANCILLARY THERAPIES RELATED TO MAGNETIC THERAPY**
COUSRE CODE	**MAG 203**
DURATION	**45 HRS**
UNIT	**3.0**

GOAL: This course examines the integration of Magnetic Therapy with complementary therapeutic systems within holistic and naturopathic practice. Emphasis is placed on principles of integration, clinical application, safety considerations, and comparative therapeutic value.

GENERAL OBJECTIVES: At the end of this course, the student should be able:

1.0 Explain the role of Magnetic Therapy within integrative and naturopathic medicine
2.0 Compare Magnetic Therapy with other complementary therapeutic systems
3.0 Describe the principles and applications of selected adjunct therapies
4.0 Evaluate the compatibility of Magnetic Therapy with other modalities
5.0 Develop basic integrative treatment approaches involving Magnetic Therapy
6.0 Identify safety considerations and limitations in combined therapy use

GENERAL OBJECTIVES	PERFORMANCE OBJECTIVES
1.0 Understand Magnetic Therapy in Naturopathic and Integrative Medicine	On completion of this course, the student be able to: 1.1 Define Naturopathy and Integrative Medicine 1.2 Identify branches of naturopathy (hydrotherapy, chromotherapy, energy medicine, etc.) 1.3 Explain the role of Magnetic Therapy within naturopathic systems 1.4 Compare principles of Magnetic Therapy and naturopathy 1.5 Discuss integrative philosophy in holistic healthcare
2.0 Understand Magnetic Therapy and Phytotherapy	2.1 Define Phytotherapy and its principles 2.2 Identify common herbal preparations and applications 2.3 Explain therapeutic overlaps between phytotherapy and magnet therapy 2.4 Discuss integrative approaches and clinical considerations
3.0 Understand Magnetic Therapy and Homeopathy	3.1 Define Homeopathy and its principles 3.2 Explain similarities and differences between both systems 3.3 Discuss historical and theoretical relationships 3.4 Critically examine the concept of magnetically influenced preparations

4.0 Understand Magnetic Therapy and Acupressure/Acupunture	4.1 Define acupuncture and acupressure 4.2 Describe meridians and acupoints 4.3 Compare energetic principles with magnetic field application 4.4 Explain integration techniques 4.5 Discuss safety and contraindications
5.0 Understand Electromagnetic Therapies	5.1 Define electromagnetism in therapy 5.2 Differentiate static magnetic therapy and PEMF (Pulsed Electromagnetic Field Therapy) 5.3 Identify clinical applications 5.4 Discuss limitations and risks 5.5 Evaluate treatment parameters (duration, intensity, frequency)
6.0 Understand Light and Infrared Therapy	6.1 Define phototherapy and infrared therapy 6.2 Explain mechanisms of action 6.3 Identify therapeutic applications 6.4 Compare with magnetic therapy effects 6.5 Develop combined therapy approaches 6.6 Highlight precautions
7.0 Understand Magneto-Acoustic and Emerging Therapies	7.1 Define Magneto-Acoustic Therapy 7.2 Explain theoretical principles 7.3 Discuss current applications and limitations 7.4 Evaluate scientific support and gaps
8.0 Understand Reflexology and Magnetic Therapy	8.1 Define reflexology and reflex zones 8.2 Explain therapeutic mechanisms

	8.3 Demonstrate integration techniques 8.4 Discuss clinical benefits and limitations
9.0 Understand Aromatherapy and Magnetic Therapy	9.1 Define aromatherapy and essential oils 9.2 Explain absorption and mechanisms 9.3 Identify therapeutic uses 9.4 Develop combined application methods 9.5 Discuss safety considerations
10.0 Understand Clinical Integration and Case Application	10.1 Develop simple integrative treatment plans 10.2 Select appropriate complementary therapies for specific conditions 10.3 Identify contraindications in combined therapies 10.4 Present case-based scenarios