

**UEC COLLEGE OF NURSING, OCHADAMU
SEMESTER COURSE OUTLINE**

THIRD YEAR FIRST SEMESTER

MEDICAL SURGICAL NURSING IV

Introduction

This course is designed to equip students with the knowledge and skills required for the management of clients with disorders of the musculoskeletal system and problems of the special senses.

OBJECTIVES

At the end of this course, the students should be able to:

1. Describe the structure and functions of the relevant systems.
2. Describe the pathophysiology of conditions affecting the musculoskeletal system and special senses
3. Explain relevant diagnostic procedures for different conditions and their nursing implications.
4. Demonstrate skills in carrying out relevant procedures
5. Utilize nursing process in the management of patients with disorders of the selected systems

UNIT I: DISORDERS OF THE MUSCULOSKELETAL SYSTEM

- Review of anatomy and physiology of skeletal and muscular system
- Assessment of client with musculoskeletal problems
- Diagnostic procedures related to musculoskeletal disorders
- Clinical manifestations as related to musculoskeletal system
- Orthopaedic terms
- Traumatic disorder: Sprain, Dislocation and Fracture
- Review of anatomy and physiology of joints
- Classification of joints diseases
- Arthritis and its classification: Ankylosin spondylitis, Gonococcus arthritis, traumatic synovitis, acute septic arthritis
- Degenerative inflammatory disorders: Osteoarthritis, Bursitis, rheumatoid arthritis.
- Metabolic disorders: Gout - Acute and chronic Osteoporosis
- Abnormal cellular growth: Bone tumor, Multiple Myeloma and Osteosarcoma
- Paget diseases: Osteitis deformans or Paget's diseases, Osteomalacia.
- Amputation — types, indications and pre & post operation
- Management of clients with musculo-skeletal problems using Nursing process
- Rehabilitative measures in musculo-skeletal disorders
- Complications of musculo-skeletal problems
- Gerontologic considerations
- Nurses' role in prevention of musculo-skeletal problems

MUSCULAR-DISEASES

1. Paralysis
2. Atrophy of muscle
3. Myopathy
4. Myasthenia gravis
5. Systemic Lupus Erythematosus (SLE)

UNIT II: DISORDERS OF THE SPECIAL SENSES

- To review the anatomy and physiology of the special senses
- To understand the common disorders of the special senses and nurses' roles in the prevention and corrective measures
- To identify the rehabilitative measures applicable to people with special sense disorders

A. SKIN DISORDERS

- Review of the anatomy and physiology of the Skin
- Assessment of clients with problems of the patient with skin disorder
- Clinical manifestations of skin disorders
- Psychological aspect of caring for a patient with skin diseases;
- How to avoid damage to the skin
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- 1. Disease caused by abnormal skin secretion: Acne vulgaris, dermatosis, seborrheic dermatitis
- 2. Bacterial skin infection: Carbuncles, furunculosis, folliculitis, impetigo contagiosa
- 3. Fungal skin infection. Dermatophytosis (Ring worm):-Tinea pedis, tinea corporis, tinea capitis, tinea cruris;
- 4. Parasitic infestation: Scabies, pediculosis (pediculus humanus, pediculus humanus corporis, pediculus pubis), bed bug infestation
- 5. Viral skin infection: Herpes zoster or shingles, herpes simple
- 6. Inflammatory skin reaction or allergic-skin reaction: Dermatitis- contact dermatitis (Eczema), Urticaria (hive)
- 7. Others: Psoriasis, erythema multiforme, pemphigus
- 8. Tumors of the skin: - Benign and malignant
- 9. Complications of skin disorders
- 10. Utilize the nursing process in the management of patient with integumentary disorders
- 11. Nurses' role in the prevention of skin disorders

B. DISORDERS OF THE EYE

1. Review of the related anatomy and physiology of the eye
2. Diagnostic procedures and care before, during and after the procedures as related to the eyes
3. General manifestations of visual disorders
4. General Nursing care of the patient with eye disorder
5. Common eye disorders: Conjunctivitis, Hordeolum, Chalazion, Glaucoma, Cataract, Detachment of the retina, Uveitis, Keratitis, Keratoconus, Keratoplasty, Strabismus (squint), Enucleation and Sympathetic ophthalmia.

C. DISORDERS OF THE EAR

1. Review of anatomy and physiology of the ear
 2. Manifestations of impaired hearing
 3. Classification and causes of loss of hearing
 4. General Assessment and investigations of ear disorders
 5. Preservation of hearing
- **Common ear disorders**
 - a. impacted cerumen b. External otitis
 - c. Acute otitis media d. Serious otitis media
 - e. Chronic otitis media f. Mastoiditis
 - g. Otosclerosis h. Meniere's disease or syndrome

Revision and Hospital Final Exam

COURSE TITLE: COMMUNITY HEALTH NURSING II**COURSE CODE: GNS 313****CREDIT UNITS: 3****INTRODUCTION**

This course is designed to expose students to basic epidemiology and equip students with the essential knowledge, attitudes and skills for the control of communicable and non-communicable diseases.

COURSE OBJECTIVES

At the end of the course, the student should be able to:

1. Discuss promotive, preventive and curative health services in the community
2. Demonstrate skills in the prevention and control of endemic and epidemic diseases in the community.
3. Develop skills in the collection of vital and health statistics for feedback into the National Health Service data bank.

COURSE CONTENT**Unit I: Introduction to Epidemiology and Control of Communicable Diseases**

- Definition of Terms: epidemiology, infectious agents, infective host, susceptible reservoir, route of transmission, source of infection, immunity, incubation period, outbreak, incidence, prevalence, communicable disease, endemic, epidemic, control, prevention, resistance, surveillance etc.
- General Principles of Control of Communicable Diseases:
 - a) Elimination of the reservoir of infection - Isolation of patients, Quarantine and Destruction of non-human reservoir
 - b) Interruption of the pathway of transmission - Concepts of universal, standard and transmission-based precautions
 - c) Protection of the susceptible host - Immunization, adequate nutrition, healthy lifestyle through BCC etc.

Unit II: Epidemiology and Control of Communicable Diseases

- Communicable diseases
- Epidemiology and control of infections through the gastro-intestinal tract:
 - Viral infections — poliomyelitis, viral hepatitis etc
 - Bacterial — enteric fevers, cholera, food poisoning, gastro-enteritis etc
 - Protozoal — amoebiasis, etc
 - Helminthic:
 - Nematodes (roundworms) — ascariasis, guinea worm, etc
 - Cestodes (tapeworms) — Taeniasis, Hydatid disease, etc
 - Trematodes (flukes) ~ paragonimiasis
- Epidemiology and control of infections through skin and mucous membranes (Human Contact) :
 - Viral infections — HIV/AIDS, chicken pox, Lassa fever, etc
 - Protozoal infections ~ Trichomoniasis etc
 - Bacterial infections — gonorrhoea, syphilis, leprosy, trachoma etc.
 - Fungal infections — candidiasis etc
 - Arthropod infections — scabies
- Other Sources:
 - Viral infections — rabies etc
 - Bacterial infections — tetanus, anthrax,
 - Helminthic infections — hookworm, schistosomiasis, etc.
- Sexually transmitted infections:
 - Viral and rickettsial infections - HIV/AIDS, herpes genitalis etc.

- Bacterial infections — gonorrhoea, syphilis etc.
- Protozoal infections - Trichomoniasis etc.
- Epidemiology and control of infections through the respiratory tract
- Viral infections — measles, rubella, mumps, influenza, acute upper respiratory tract infection, chicken pox, etc.
- Rickettsial infections — Q fever
- Bacterial infections — tuberculosis, pneumococcal pneumonia, meningitis, rheumatic fever, Whooping cough, diphtheria etc.
- Fungal infections — histoplasmosis etc.
- Epidemiology and control of arthropod borne infections
- Arbovirus infections ~ Yellow fever, dengue fever, etc
- Rickettsial infections — louse borne typhus, African tick typhus, etc
- Bacterial infections ~ Plague, tick borne relapsing fever, etc
- Protozoal infections — malaria, trypanosomiasis etc
- Helminthic infections — filariasis, Onchocerciasis etc

Unit III: Epidemiology and Control of Non-Communicable Diseases

- Chronic diseases — hypertension, diabetes etc
- Mental disorders — substance abuse, smoking, stress etc
- Nutritional disorders — micronutrient deficiencies
- Genetic disorders — Sickle cell anaemia etc
- Neoplasms — Cancers of the breast, cervix and lungs etc ,
- Accidents, poisoning and violence
- Behavioural change communication strategies in the control of non- communicable diseases.

Unit IV: Principles of Epidemiologic Data Collection and Utilization

- Vital statistics
- Disease surveillance
- Notification of diseases

COURSE TITLE: EMERGENCY &DISASTER NURSING

Unit I: Concepts and Principles of Emergency Care

- Definition of terms and concepts
- Aims, elements and principles associated with emergency and disaster care
- Disaster: human and natural disasters
 - Disaster preparedness
 - Agencies for disaster management- local, national and international organizations
 - Global and local burden of disaster management

Unit II: Emergencies and Life-threatening situations

- Classification of emergencies and life-threatening conditions
- Causes of emergencies and life-threatening conditions

Unit III: Management of Emergencies Using Basic Life-Saving and Support aids

- Triage system
- Assessment
- Crowd management it ABCDEF of resuscitation
- Artificial respiration

- Mechanical Ventilation
- Cardiopulmonary Resuscitation (CPR)
- Medical Evacuation
- Management of victim en-route the hospital

Unit IV: Management of patient in Hospital Emergency Department and Advanced Life- Support

- Tracheotomy
- Use of electronic monitor
- Automatic External Defibrillator
- Advanced Cardiovascular Life-support

Unit V: Disaster Management (Basic)

- Rapid Response Centers
- Disaster Monitoring
- Search and Rescue
- Medical intervention and relief
- Physical and psychological support
- Multi and inter-sectorial collaboration in disaster management
- Public information, education and disaster prevention

COURSE TITLE: PRINCIPLES OF MANAGEMENT AND TEACHING

COURSE CODE: GST 310

CREDIT UNITS: 3

INTRODUCTION

The course covers the principles and techniques of management and teaching and the application to nursing. It fosters effective interpersonal relationship and maintenance of efficient and coordinated activities at all levels of health care. It also develops the leadership skills of a nurse.

COURSE OBJECTIVES

At the end of the course, the student should be able to:

1. Utilize the principles of teaching and learning for client education in different settings.
2. Apply the principles of delegation, authority, and responsibility in nursing service administration
3. Utilize the concept of management by objectives (MBO) in the management of health care services
4. Use relevant leadership styles in accomplishing organizational goals
5. Utilize human and material resources effectively and efficiently within the health care system
6. Demonstrate competence in the use of managerial skill for quality assurance in health care.
7. Utilize appropriate teaching techniques to assist individuals, family and communities take responsibility for their health.
8. Recognize the importance of continuing education in the enhancement of personal and professional growth.
9. Apply management and audit principles in evaluating nursing activities.

COURSE CONTENT

Unit I: Management

- Philosophy, principles and theories of Management
- Functions of management
- Planning
 - Types of plan — Operational, tactical, strategic, long-term, short term etc

- Characteristics of a good plan
- Decision making process
- Organizing V
 - Structure/design of organizations
- Staffing
 - Interdepartmental relationship and communication
- Directing
 - Leadership
 - Delegation of responsibility
 - Authority
 - Supervision and accountability
 - Motivation
 - Controlling
 - Establishment of standards
 - Job performance evaluation
 - Discipline
 - Financial control - Accounting and budgeting

Unit II: Objectives in Health Administration

- Writing clearly defined objectives
- Personal versus organizational objectives
- Hierarchy of objectives
- Management by objectives — MBO
- Application of MBO to health care management

Unit III: Leadership Dynamics

- Concept and theories of leadership
- Leadership styles, qualities
- Motivation
 - Theories of motivation
 - Application of theories of motivation to nursing
 - Role of motivation in health care services

Unit IV: Management of Resources

- Man
- Materials — Drugs and supplies
- Money
- Time
- Space — land, buildings and infrastructure

Unit V: Conflict Management and Resolution

- Definition of conflicts
- Antecedents to conflicts
- Types of conflicts
- Management of conflicts

Unit VI: Application of Principles of Management to Nursing Practice

- Organization of the unit
- Role of the nurse in the management of the unit
- The politics of health services

Unit VII: Quality Assurance and Risk Management

- Quality assurance
 - Definition, aim and objectives
 - Quality assurance and its relationship to standard setting and nursing process
- Nursing audit
 - Committee and function
 - Monitoring and evaluation
- Risk Management
 - Basic concepts
 - Common risk categories for Nurse
 - Elements of risk management
 - Hospital/departmental policies
 - Incident reporting.

Unit VIII: Contemporary Issues in Nursing

- Communication and group dynamics
- The health team concept
- Community participation
- Intersectoral and interdisciplinary collaboration
- Health insurance scheme
- Meetings — Conduct and reporting
- Standards and ethics
- Programme monitoring and evaluation
- Health sector reforms
- Reforms in nursing education and practice
- Professional associations and regulatory agencies — Composition and functions
- Continuing education - conferences, seminars, workshop etc

Unit IX: Teaching and Learning Process

- Theories and principles of teaching and learning
- The learning environment
- Instructional materials
- Selecting learning experiences
- Methods and techniques of teaching
- Effects of environment on the teaching/learning process — physical, social, economic and cultural factors

Unit X: Evaluation Process

- Principles, purposes and importance of evaluation
- Evaluation techniques
- Management audit

Unit XI: Administrative Laws Relevant To Nursing

- Rules and regulations of civil service
- Public agencies/corporation
- Public accountability - checks and balances
- Nurses legal status and hospital liabilities
- Clients' rights and liabilities

- Vicarious liabilities
- Negligence and malpractice

COURSE TITLE: ENTREPRENEURSHIP
COURSE CODE: GST 321

INTRODUCTION

This course is designed to equip the students with knowledge and rudimentary of Entrepreneurship needed in nursing practice.

COURSE OBJECTIVES

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

1. Discuss the meaning and scope of enterprise and entrepreneurship
2. Discuss the history and Government Policy Measures at promoting entrepreneurship in Nigeria
3. Discuss the types, characteristics and rationale of entrepreneurship
4. Describe the role of entrepreneurship in economic development
5. Describe entrepreneurial characteristics and attitude
6. Explain the key competencies and determining factors for success in entrepreneurship
7. Discuss the motivational pattern of entrepreneurs

COURSE CONTENT

Unit I: Meaning and scope of enterprise and entrepreneurship

- Enterprise, Entrepreneur, Entrepreneurship
- Types of enterprises
- Wage employment and self-employment
- Nigeria business terrain
- Role of entrepreneurship in wealth creation.

Unit II: History and Government Policy Measures at promoting entrepreneurship in Nigeria

- Evolution of entrepreneurship development.
- Entrepreneurship in Nigeria with Japan, India, China, Malaysia, South Korea etc.
- Nigeria's values in relation to entrepreneurship.
- Role of entrepreneurship in the development of enterprises.

Unit III: Types, characteristics and rationale of entrepreneurship

- Types of entrepreneurs and their characteristics
- Technological and social entrepreneurship

Unit IV: Role of entrepreneurship in economic development

- Resources and constraints of entrepreneurship
- Entrepreneurship and import substitution and utilization of local resources.
- Entrepreneurship and socio- economic development.
- Entrepreneur and grass root/local economic development
- The role of entrepreneurship in business, society and in self-employment

Unit V: Entrepreneurial characteristics and attitude

- The philosophy, values, scope, need and characteristic of entrepreneurship.
- The profiles of local entrepreneurs.

- Sense of innovation, creativity and independence.
- The process of acquiring high sense of information seeking and ability in operating an enterprise.
- Various risk and remedies involved
- Evaluate Pilot project (Resources, time, personnel, equipment, money, materials etc.).
- Leadership and leadership skills (mobilising resources for establishing an enterprise)
- Problem solving techniques in overcoming internal and external constraints.

Unit VI: Competencies and determining factors for success in entrepreneurship

- Key competencies required in setting up a successful small business (knowledge, skill, and traits).
- Success factors in setting up a small business: Resources, Ability, Motivation and Determination, Idea and Market etc.
- Individual life goal and entrepreneurship
- Business games and the behavioural pattern observed: moderate risk taking, goal setting, learning from feedback.
- Taking personal responsibility, confidence and self-reliance

Unit VII: Motivational pattern of entrepreneurs

- Objectives of motivation.
- Barriers to motivation and achievement.
- Thematic Appreciation Test (TAT) score.
- How to analyse motive strength from TAT score.
- The spirit of Achievement Motivation Test (AMT)

COURSE TITLE: COMMUNITY HEALTH NURSING III

COURSE CODE: GNS 313

CREDIT UNITS : 3

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 - Notification of diseases