

**The Nursing Council of Hong Kong**

**A Reference Guide to the  
Syllabus of Subjects and Requirements for the  
Preparation of Registered Nurse (General) in the  
Hong Kong Special Administrative Region**



**(March 2009)**

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## I. PREAMBLE

The completion of the transition of nursing education to tertiary institutes in 2002 has denoted the success of the Hong Kong SAR in advancing nursing education to tertiary level in line with international development. However, to meet the new developments of the health care system and the evolving demands for a more diverse and high quality nursing service at the primary, secondary and tertiary levels of health care, there is a need to develop a new generation of Registered Nurses (RN) with enhanced professional competencies. Hence, the development of an enriched and expanded nursing curriculum is essential for the education of RNs. This new syllabus replaces the one published in 1995. It serves as an up-dated guide for curriculum development of pre-registration general nursing programmes. Upon completion of such programmes and having passed the examinations recognized by the Nursing Council of Hong Kong (NCHK), students are expected to have acquired the essential competencies for safe, effective and ethical practice, and will be eligible to apply for registration with the NCHK as a Registered Nurse (General) [RN (G)] in Hong Kong.

## II. AIMS AND OBJECTIVES

To allow flexibility, creativity and adaptability in curriculum development, the syllabus is written in broad terms. It is intended to achieve the following aims and objectives:

**AIMS:** To serve as :

1. a reference guide for the development of pre-registration nursing programmes of not less than *three academic years* for the education of a competent and safe practitioner of nursing.
2. a reference frame for assessing the eligibility of nurses trained outside Hong Kong Special Administrative Region (HKSAR) for registration as a RN(G).
3. a reference base for accrediting general nursing education programmes.

**OBJECTIVES:**

1. State the nursing philosophy based on which the syllabus is developed.
2. Highlight the core components of nursing studies, including the theories and practice of professional nursing at the 3 levels of health care and in different health care specialties/settings; nursing management, research and professional development.
3. Specify the requirements for other related subjects in support of the nursing studies, such as communication, social and behavioral sciences, biological and integrated sciences as well as legal, ethical and cultural issues.
4. Suggest the number of hours for the different subjects, both in theory and in practice, and provide guidance on the form of assessments required.

### III. PHILOSOPHY OF NURSING

This stated philosophy of nursing summarizes our beliefs in the nature and practice of professional nursing, as well as our views on the person, the environment and health. It provides a basis for the revision of the nursing syllabus that guides the development of education programmes for RN (G).

**Nursing** is a caring, enabling, knowledge-based and competence-assessed profession which is dynamic in meeting the changing health needs of the society. It is committed to promoting and maintaining health; as well as to caring for the sick and the disabled as individuals, or in families, groups, institutions, home settings and in the community.

The practice of nursing is client-focused and evidence-based. It is carried out at the primary, secondary and tertiary levels of health care. It functions through problem solving and collaboration with the client as well as other health care professionals to define and achieve mutually agreed health goals.

The provision of holistic, client-centred care requires research-based professional knowledge and skills through the implementation of the nursing process; the adoption of a caring and responsible attitude; effective communication and interpersonal skill as well as ethical principles. The quality of care is maintained through the enhancement of professional competencies via continuous nursing education.

**The person** is a unique, holistic being with the potential to learn and develop through interacting with the changing environment. Each person has intrinsic worth and has the right to participate in the decision-making which affects his/her own life and dignity, and must always be treated with respect.

**The environment** consists of external and internal components which change constantly and generate both positive and negative stressors. The internal environment of a person, comprising biological, psychological, spiritual and intellectual components, interacts with the external environment that encompasses social, cultural and situational influences. This continual interaction affects the person's functioning as an individual, as well as in families, groups and community. The creation, preservation and conservation of a healthy environment is crucial to the maintenance and promotion of health.

**Health** is a state of well-being, perceived differently by the individual at specific points in time along the health-illness continuum. It is affected by biological, psychological, socio-economical, developmental, political, cultural and religious factors. The level of well-being depends on the maintenance of equilibrium within the person, and between the person's interaction with the changing environment.

## *References*

- College of Nurses of Ontario. (1999). *Entry to practice competencies for Ontario Registered Nurses as of January 1, 2005*. Toronto: Author.
- George, J.B. (1995). *Nursing theories: The base for professional practice* (4th ed.). Norwalk, Connecticut: Appleton & Lange.
- International Council of Nurses (ICN). (1998). *Position statement on scope of nursing practice*. Geneva: Author.
- Kozier, B., Erb, G., Blais, K., & Wilkinson, J.M. (1995). *Fundamentals of nursing: Concepts, process, and practice* (5th ed., chap. 1-3). Redwood City, CA: Addison-Wesley.
- National Board for Nursing, Midwifery and Health Visiting for Scotland (NBS). (2001) *Core skills and competencies for adult nursing*. Scotland: Author.
- Public Health Nursing Division, Department of Health, Hong Kong SAR (2002). *Core-Competencies for Registered Nurse Grade*. (internal official document). Hong Kong SAR: Author
- Registered Nurses Association of British Columbia (RNABC). (1998). *Standards for nursing practice*. Vancouver, BC: Author.
- The College of Nursing, Hong Kong. (1993) *Standards for nursing practice*. Hong Kong: Author.
- The Hospital Authority of Hong Kong (2002). *Core-Competency Sets for Nursing Staff* (internal official document). Hong Kong SAR: Author
- United Kingdom Central Council for Nursing, Midwifery and Health Visiting (UKCC). (2000). *Competencies for entry to the Professional Register*. London: Author
- World Health Organization (2002). *Strategic Directions for Strengthening Nursing and Midwifery Services*. Geneva: Author.

## IV. THEORETICAL REQUIREMENTS

### Overview of Contact Hours (Including Laboratory Hours)

<b>Competence Area 1: Professional, legal and Ethical Nursing Practice</b>		
<b>Item</b>	<b>Topics</b>	<b>Minimum Hours</b>
<b>1A.</b> <i>1A.1</i> <i>1A.2.</i> <i>1A.3.</i> <i>1A.4.</i> <i>1A.5.</i> <i>1A.6.</i>	<b>General, Behavioural and Life Sciences Relevant to Nursing</b> <i>Human Anatomy, Physiology and pathophysiology</i> <i>Sociology of Health</i> <i>Applied Psychology</i> <i>Fundamental Pharmacology</i> <i>Microbiology</i> <i>Nutrition and Dietetics</i>	<b>320</b>
<b>1B.</b> <i>1B.1.</i> <i>1B.2.</i>	<b>Professional Nursing Practice</b> <i>The Nursing Profession</i> <b>Basic Nursing for Safe Practice:</b> (Please refer to <b>Appendix 1</b> for details.) I. The nursing process II. Essential nursing techniques in clinical setting for safe practice: 1. Provision of a safe and comfortable environment for care 2. Maintenance and promotion of occupational safety and health 3. Documentation and reporting of care 4. Helping the client meet the basic needs of living 5. Assisting the client to undertake diagnostic procedures 6. Administration of medications 7. Principles of First Aid  III. Principle and practice of nursing: 1. Accident and emergency (A&E) nursing 2. Peri-operative nursing 3. Introduction to operating theatre techniques, intra-operative care and anaesthetic nursing 4. Medical and surgical nursing related to illness prevention and health restoration of clients with alteration in various body system functions across the life span 5. Rehabilitative nursing 6. Oncology nursing and hospice care 7. Paediatric and adolescent nursing 8. Obstetric nursing 9. Gerontological nursing 10. Mental health nursing 11. Community nursing 12. Modern Chinese medicine nursing and complementary alternative medicines	<b>712</b>

<b>Competence Area 1: Professional, legal and Ethical Nursing Practice (Cont'd)</b>		
<b>Item</b>	<b>Topics</b>	<b>Minimum Hours</b>
<b>1C.</b>	<b>Legal &amp; Ethical Issues</b>	<b>40</b>
<b>1C.1.</b>	<i>Legal Aspects Pertinent to Nursing Practice</i>	
<b>1C.2.</b>	<i>Belief, Value and Ritual</i>	
<b>1D.</b>	<b>Communication</b>	<b>20</b>
<b>1E.</b>	<b>Rights and Responsibilities of the Individual</b>	<b>(Included in 1A.2 and 1C.1)</b>
<b>1F.</b>	<b>Information Technology in Nursing and Health Care</b>	<b>20</b>
<b>Competence Area 2: Health Promotion and Health Education</b>		
<b>2A.</b>	<b>Education Theories and Methods</b>	<b>10</b>
<b>2B.</b>	<b>Concepts of Health, Health Education and Health Promotion</b>	<b>40</b>
<b>2C.</b>	<b>Communication</b>	<b>(Included in 1D)</b>
<b>2D.</b>	<b>Rights of the Individual</b>	<b>(Included in 1E)</b>
<b>Competence Area 3: Management and Leadership</b>		
<b>3A.</b>	<b>Management Theories, Skills and Application</b>	<b>20</b>
<b>3B.</b>	<b>Leadership</b>	<b>5</b>
<b>3C.</b>	<b>Health Care Policies</b>	<b>15</b>
<b>Competence Area 4: Research</b>		
<b>4A.</b>	<b>Basic Knowledge in Conducting Research in Health Care Settings</b>	<b>40</b>
<b>4B.</b>	<b>Appraising and Utilizing Research Findings</b>	
<b>Competence Area 5: Personal Effectiveness and Professional Development</b>		
<b>5A.</b>	<b>Personal Effectiveness</b>	<b>(Included in 1A.3)</b>
<b>5B.</b>	<b>Profession Development</b>	<b>2</b>
<b>5C.</b>	<b>Establishing and Maintaining Nursing as a Profession</b>	<b>6</b>
<b>Total:</b>		<b>1,250</b>

## V. Clinical Practice Requirements

Clinical Areas		Minimum Practice Requirement (Hours)
1.	<b>Medical Nursing</b> General Medicine, Dermatology, Infectious Diseases, Oncology, Hospice Nursing, Rehabilitation, Out-Patient's Department (OPD)	480
2.	<b>Surgical Nursing</b> General Surgery, Anaesthesiology, Operating Theatre and Recovery Room, Cardiothoracic Surgery, Neuro-surgery, Gynaecology, Ear, Nose and Throat (ENT) Care, Ophthalmology Orthopaedics and Traumatology, Rehabilitation, OPD, Theatre Sterile Supply Unit (TSSU)	350
3.	<b>Paediatric and Adolescent Nursing</b>	<i>60</i>
4.	<b>Obstetric Nursing</b>	<i>60</i>
5.	<b>Gerontological Nursing</b>	<i>60</i>
6.	<b>Psychiatric Nursing</b>	<i>60</i>
7.	<b>Community Nursing</b>	60
8.	<b>Accident and Emergency Department</b>	60
9.	<i>Any clinical area(s) among item 1 to item 8</i>	<i>210</i>
<b>Total:</b>		<b>1400</b>

**Note 1:** The above should include a period of continuous clinical practice of not less than 3 months.

**Note 2:** Clinical training for local nursing students can be conducted in the following health care institutions:

**Category A:** *Hospitals or medical institutions under the management of the Hospital Authority or private hospitals registered under the Hospitals, Nursing Homes and Maternity Homes Registration Ordinance (Cap. 165, Laws of Hong Kong), where in-patient care is provided (Not less than 70% of the total hours of clinical education).*

**Category B:** *Community settings where the provision of first level care is evident (Not more than 30% of the total hours of clinical education). Not more than one-tenth of this part of training may be conducted outside Hong Kong.*

**Note 3:** During the clinical practicum, there must be a system in place to assess students' clinical knowledge, skills, problem solving ability and professional attitudes. Evidence must be produced on the assessment of aseptic technique, administration of medications and professional nursing competencies.

## Clinical Assessment Guidelines

### 1. Areas of Assessment

#### 1.1 Aseptic Technique

The student will be assessed on his/her competence in carrying out a nursing procedure on a client involving the use of aseptic technique. This can be any one of the following procedures:

- ✧ Simple wound dressing
- ✧ Pressure sore dressing
- ✧ Wound irrigation
- ✧ Wound packing
- ✧ Shortening/removal of drains
- ✧ Removal of stitches/clips
- ✧ Catheterization
- ✧ Other procedures that require the application of the principles of asepsis

#### 1.2 Administration of Medications

The students will be assessed on his/her competence in administering medications to his/her clients. This can be **either one** of the following:

- ✧ Administering oral medications to 6-8 clients:
  - Tablets/capsules/liquids/crushed tables, **or**
- ✧ Administering parenteral medication to 1-2 clients via any one of the following routes:
  - Intradermal
  - Subcutaneous
  - Intramuscular
  - Intravenous

#### 1.3 Professional Nursing Competencies

The student will be assessed on his/her assessment techniques and application of the nursing process in providing total client care. The key competencies assessed will include:

- ✧ Assessment
- ✧ Planning
- ✧ Intervention
- ✧ Evaluation
- ✧ Professional behaviour

**2. Assessor**

- 2.1 The role of the assessor is to act as the agent for the NCHK and he/she is responsible to certify whether the student is safe to practice in the selected areas of clinical situation.
- 2.2 Educational institutions will be responsible for the appointment of clinical assessors for the nursing programmes they organized.

## **VI. APPENDICES**

## Essential Topics

Competence area 1: Professional, Legal and Ethical Nursing Practice		
Item	Topics	Minimum Hours*
<b>1A.</b>	<b>General, Behavioural and Life Sciences Relevant to Nursing</b>	<b>320</b>
<b>1A.1.</b>	<p><b><i>Human Anatomy and Human Physiology</i></b></p> <ul style="list-style-type: none"> <li>☞ Basic understanding of the human cell, organs and organelles</li> <li>☞ The organization, structure, functions and interrelationship of the major body systems including:               <ol style="list-style-type: none"> <li>1. Alimentary System</li> <li>2. Cardiovascular and Lymphatic Systems</li> <li>3. Dermatological System</li> <li>4. Endocrine Systems</li> <li>5. Genito-urinary System</li> <li>6. Haematological System</li> <li>7. Musculo-skeletal System</li> <li>8. Neurological System</li> <li>9. Ophthalmic System</li> <li>10. Oto-rhino-laryngeal System</li> <li>11. Reproductive System</li> <li>12. Respiratory System</li> </ol> </li> </ul>	(180)
<b>1A.2.</b>	<p><b><i>Sociology of Health</i></b></p> <ul style="list-style-type: none"> <li>☞ The changing social structure and the health care system</li> <li>☞ The socio-economical, political and cultural impact on health beliefs and illness behaviours</li> <li>☞ Stigmatization – disability, aging, mental illness</li> <li>☞ Professionalisation of health care providers</li> </ul>	(40)
<b>1A.3.</b>	<p><b><i>Applied Psychology</i></b></p> <ul style="list-style-type: none"> <li>☞ Psychological development and maturation</li> <li>☞ Basic concepts of psychosocial needs and potentialities of people throughout the life span</li> <li>☞ Gender and sex-typing</li> <li>☞ Introduction to the psychology of health</li> <li>☞ Introduction to learning theories</li> <li>☞ Perception</li> <li>☞ Motivation</li> <li>☞ Emotions</li> <li>☞ Stress and coping</li> <li>☞ Personality</li> </ul>	(40)

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<b>Competence area 1: Professional, Legal and Ethical Nursing Practice (Cont'd)</b>		
<b>Item</b>	<b>Topics</b>	<b>Minimum Hours*</b>
<b>1A.</b>	<b>General, Behavioural and Life Sciences Relevant to Nursing (Cont'd)</b>	
<b>1A.4.</b>	<p><b><i>Fundamental Pharmacology</i></b></p> <ul style="list-style-type: none"> <li>☞ Basic concepts of pharmacokinetics</li> <li>☞ Major drug classifications and drug effects</li> <li>☞ Forms of medication and client care applications</li> <li>☞ Safety in drug therapy and client care</li> <li>☞ The related laws and ordinances</li> </ul> <p>(For topics relating to calculating, measuring, administering medications and the related nursing care and responsibilities, please refer to <b>Appendix 2</b> “Basic Nursing for Safe Practice”)</p>	(20)
<b>1A.5.</b>	<p><b><i>Microbiology</i></b></p> <ul style="list-style-type: none"> <li>☞ Introduction to Microbiology           <ol style="list-style-type: none"> <li>1. Nature of micro-organisms</li> <li>2. Classification and identification of micro-organisms</li> <li>3. Structure and characteristics of micro-organisms, and bacterial pathogenicity</li> <li>4. The chain of infection</li> <li>5. Bacterial growth and physiology</li> <li>6. Anti-microbial and anti-viral agents</li> <li>7. Sterilization and disinfection</li> </ol> </li> <li>☞ Infection and Immunity           <ol style="list-style-type: none"> <li>1. Innate and acquired immunity</li> <li>2. Bacterial and viral pathogens and associated diseases</li> <li>3. Fungal pathogens and parasitic infections</li> <li>4. Prevention and control of communicable diseases in:               <ul style="list-style-type: none"> <li>- the community</li> <li>- clinical settings</li> </ul> </li> </ol> </li> </ul>	(30)
<b>1A.6.</b>	<p><b><i>Nutrition and Dietetics</i></b></p> <ul style="list-style-type: none"> <li>☞ Basic concepts about food and nutrients</li> <li>☞ A balanced diet for growth and optimal health</li> <li>☞ Therapeutic diets (to be included in the ‘therapeutic measures’ in <i>medical and surgical nursing in relation to illness prevention and health restoration of clients with alteration in various body system functions</i>, <b>Appendix 3</b>)</li> <li>☞ Industrialization, urbanization and changes in food habits</li> </ul> <p>Economics in the choice of food</p>	(10)

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<b>Competence area 1: Professional, Legal and Ethical Nursing Practice (Cont'd)</b>		
<b>Item</b>	<b>Topics</b>	<b>Minimum Hours*</b>
<b>1B.</b>	<b>Professional Nursing Practice</b>	<b>712</b>
<b>1B.1.</b>	<p><b><i>The Nursing Profession</i></b></p> <ul style="list-style-type: none"> <li>☞ History of nursing</li> <li>☞ Definition of nursing</li> <li>☞ Philosophy of nursing</li> <li>☞ Nursing theories and models</li> <li>☞ Roles of the nurse</li> <li>☞ Legal and ethical issues (Please refer to <b>Item 1C</b> for details.)</li> </ul>	(4)
<b>1B.2.</b>	<p><b><i>Basic Nursing for Safe Practice</i></b> (Please refer to <b>Appendix 2</b> for details)</p> <p><b>I. <i>The Nursing Process - A Problem Solving Approach</i></b></p> <p><b>II. <i>Essential Nursing Techniques in Clinical Settings for Safe Practice:</i></b></p> <ol style="list-style-type: none"> <li>1. Provision of a safe and comfortable environment for care</li> <li>2. Maintenance and promotion of occupational safety and health</li> <li>3. Documentation and reporting of care</li> <li>4. Helping the client to meet the basic needs of living</li> <li>5. Assisting the client to undertake diagnostic procedures</li> <li>6. Administration of medications</li> <li>7. Principles of First Aid</li> </ol>	<p>(2)</p> <p>(5)</p> <p>(4)</p> <p>(2)</p> <p>(152)</p> <p>(25)</p>

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<b>Competence area 1: Professional, Legal and Ethical Nursing Practice (Cont'd)</b>		
<b>Item</b>	<b>Topics</b>	<b>Minimum Hours*</b>
<b>1B.</b>	<b>Professional Nursing Practice (cont'd)</b>	
<b>1B.2.</b>	<b><i>Basic Nursing for Safe Practice (cont'd)</i></b>	
	<b><i>III. Principles and Practice of Nursing</i></b>	
	1. Accident and emergency (A&E) nursing	(4)
	2. Peri-operative Nursing	(4)
	3. Introduction to Operating Theatre Techniques, Intra-Operative Care and Anaesthetic Nursing	(4)
	4. Medical and surgical nursing in relation to illness prevention and health restoration of clients with alteration in various body system functions across the life span ( <b>Please refer to Appendix 3 for details</b> )	(234)
	5. Rehabilitative nursing	(16)
	6. Oncology nursing and hospice care	(16)
	7. Paediatric and adolescent nursing	(50)
	8. Obstetric nursing	(40)
	9. Gerontological nursing	(30)
	10. Mental health nursing	(40)
	11. Community nursing	(40)
	12. Modern Chinese medicine nursing and complementary alternative medicines	(40)
	<b>(Please refer to Appendix 2 for the essential contents of individual topics.)</b>	

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<b>Competence area 1: Professional, Legal and Ethical Nursing Practice (Cont'd)</b>		
<b>Item</b>	<b>Topics</b>	<b>Minimum Hours*</b>
<b>1C.</b>	<b>Legal &amp; Ethical Issues</b>	<b>40</b>
<i>1C.1.</i>	<i>Legal Aspects Pertinent to Nursing Practice</i>	<i>(Covering 1C.1 &amp; 1C.2)</i>
	<ul style="list-style-type: none"> <li>☞ Background information               <ol style="list-style-type: none"> <li>1. Introduction to the Hong Kong Legal System</li> <li>2. Sources of laws</li> <li>3. Classification of laws</li> <li>4. Law of Tort:                   <ul style="list-style-type: none"> <li>- assault, battery, false imprisonment, defamation and fraud</li> </ul> </li> </ol> </li> <li>☞ Legal issues related to nursing practice               <ol style="list-style-type: none"> <li>1. Duty of confidentiality</li> <li>2. Integrity and accountability in relation to the client, public, profession and employer</li> <li>3. Vicarious liability</li> <li>4. Consent:                   <ul style="list-style-type: none"> <li>- format and validity</li> <li>- for children, the mentally abnormal, the elderly and the unconscious</li> </ul> </li> <li>5. Discharge against medical advice</li> <li>6. Witness</li> <li>7. Negligence</li> <li>8. Liability</li> <li>9. Trespass</li> </ol> </li> <li>☞ Legislation               <ol style="list-style-type: none"> <li>1. The Nurses' Registration Ordinance, Cap 164</li> <li>2. Mental Health Ordinance related to daily practice</li> <li>3. Personal Data (Privacy) Ordinance</li> <li>4. Bribery Ordinance and the ICAC</li> <li>5. Occupational Safety and Health Ordinance</li> <li>6. Hospital By-laws</li> </ol> </li> </ul>	

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<b>Competence area 1: Professional, Legal and Ethical Nursing Practice (Cont'd)</b>		
<b>Item</b>	<b>Topics</b>	<b>Minimum Hours*</b>
<b>C.</b>	<b>Legal &amp; Ethical Issues(cont'd)</b>	
<b><i>1C.2.</i></b>	<b><i>Belief, Value and Ritual:</i></b>	
	<ul style="list-style-type: none"> <li>☞ Professional Conduct and Principles of Nursing Ethics               <ol style="list-style-type: none"> <li>1. Characteristics of a profession</li> <li>2. Personal value, social value and professional value</li> <li>3. Autonomy</li> <li>4. Equity</li> <li>5. Informed consent</li> <li>6. Beneficence, non-benevolence</li> <li>7. Do no harm</li> </ol> </li> <li>☞ Professional Conduct and Contemporary Ethical Issues               <ol style="list-style-type: none"> <li>1. Code of Practice: International Council of Nurses</li> <li>2. Code of Professional Conduct and Professional Ethics: Nursing Council of Hong Kong</li> <li>3. Decision not to resuscitate</li> <li>4. Organ donation and transplantation</li> <li>5. Clinical research</li> <li>6. Client advocacy</li> </ol> </li> <li>☞ Principles of Safe Practice               <ol style="list-style-type: none"> <li>1. Risk prevention and management                   <ul style="list-style-type: none"> <li>– Complaint management</li> <li>– Occupational Safety and Health</li> </ul> </li> <li>2. Evidence-based practice</li> <li>3. Standard procedures and protocols</li> </ol> </li> </ul>	

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<b>Competence area 1: Professional, Legal and Ethical Nursing Practice (Cont'd)</b>		
<b>Item</b>	<b>Topics</b>	<b>Suggested Hours*</b>
<b>1D.</b>	<b>Communication</b>	<b>20</b>
<i>1D.1.</i>	<i>Communication Theories and Application</i> <ul style="list-style-type: none"> <li>☞ Basic communication theories</li> <li>☞ Therapeutic communication</li> <li>☞ Effective communication and interpersonal relationship</li> <li>☞ Communication with health care team members and health care consumers</li> <li>☞ Negotiation and lobbying skills</li> </ul>	
<i>1D.2.</i>	<i>Interviewing and Counseling</i> <ul style="list-style-type: none"> <li>☞ Principles of interviewing and counseling</li> <li>☞ Interviewing and counseling skills</li> <li>☞ Interviewing and counseling in health care settings</li> </ul>	
<b>1E.</b>	<b>Rights and Responsibilities of the Individual</b> <ul style="list-style-type: none"> <li>☞ Rights and responsibilities as a: <ul style="list-style-type: none"> <li>– person</li> <li>– citizen</li> <li>– client (Client's Charter)</li> </ul> </li> </ul>	<b>(Included in IA.2 &amp; IC.I)</b>
<b>1F.</b>	<b>Information Technology in Nursing and Health Care</b>	<b>20</b>
<i>1F.1.</i>	<i>Introduction to Information Technology (IT)</i>	
<i>1F.2.</i>	<i>Application of IT in Nursing and Health Care</i> <ul style="list-style-type: none"> <li>☞ Introduction to tele-health care</li> <li>☞ Concepts of cyber-learning in nursing and health care</li> <li>☞ Application of IT in nursing research</li> <li>☞ Application of IT in health care settings</li> <li>☞ Copy rights in IT</li> </ul>	

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<b>Competence area 2: Health Promotion and Health Education</b>		
<b>Item</b>	<b>Topics</b>	<b>Minimum Hours*</b>
<b>2A.</b>	<p><b>Education Theories and Methods</b></p> <p><i>Teaching and Learning</i></p> <ul style="list-style-type: none"> <li>☞ Definition of teaching and learning</li> <li>☞ Types and domains of learning</li> <li>☞ Teaching strategies and use of teaching aids</li> <li>☞ The teaching and learning process</li> <li>☞ Principles of effective teaching and learning</li> <li>☞ Strategies for teaching and learning in clinical situations</li> <li>☞ Evaluation of teaching</li> </ul>	<b>10</b>
<b>2B.</b>	<p><b>Concepts of Health, Health Education and Health Promotion</b></p> <p><b>2B.1. <i>Concepts of Health and Health Care Delivery Systems</i></b></p> <ul style="list-style-type: none"> <li>☞ Concepts of health and illness, socio-cultural factors</li> <li>☞ The health care delivery systems, local and world-wide</li> <li>☞ Primary health care</li> </ul> <p><b>2B.2. <i>Health Education and Health Promotion</i></b></p> <ul style="list-style-type: none"> <li>☞ Determinants of health: individual and population</li> <li>☞ Epidemiology of health and illness</li> <li>☞ Evolution of health education and health promotion</li> <li>☞ Models of health education and health promotion</li> <li>☞ Strategies for health education and health promotion</li> <li>☞ Health education and health promotion in nursing practice: individual, families, groups and community</li> </ul> <p><b>2B.3. <i>Contemporary Issues in Health Education and Health Promotion</i></b></p> <ul style="list-style-type: none"> <li>☞ Health promotion policies</li> <li>☞ Healthy lifestyles, community empowerment and partnership</li> <li>☞ Health economics and health care reform</li> </ul>	<b>40</b>
<b>2C.</b>	<p><b>Communication</b></p> <p><i>(Please refer to communication theories and skills in Competence Area 1, 1D.)</i></p>	<b>Included in 1D</b>
<b>2D.</b>	<p><b>Rights of the Individual</b></p> <p><i>(Please refer to the related knowledge as specified in Competence Area 1, 1E.)</i></p>	<b>Included in 1E</b>

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<b>Competence area 3: Management and Leadership</b>		
<b>Item</b>	<b>Topics</b>	<b>Minimum Hours*</b>
<b>3A.</b>	<p><b>Management Theories, Skills and Application</b></p> <p><i>Introduction to Management Theories, Skills and Application</i></p> <ul style="list-style-type: none"> <li>☞ Management: process and theories</li> <li>☞ Resources management: manpower, finance and time</li> <li>☞ Crisis management</li> <li>☞ Quality management</li> <li>☞ Change management</li> <li>☞ Nurse as a client care manager and unit manager</li> </ul>	<b>20</b>
<b>3B.</b>	<p><b>Leadership</b></p> <p><i>Leadership in Nursing and Health Care</i></p> <ul style="list-style-type: none"> <li>☞ Leadership theories</li> <li>☞ Team building and group dynamics</li> <li>☞ Motivation and influencing skills</li> <li>☞ Problem solving and decision making skills</li> </ul> <p>(Integration of theories of communication, interpersonal skills and education as specified in <b>Competence Area 1D and 2A.</b>)</p>	<b>5</b>
<b>3C.</b>	<p><b>Health Care Policies</b></p> <p><b>3C.1.</b> <i>Health Care Systems and Trends</i> (Integration of knowledge as specified in <b>Competence Area 2, 2B.1 and 2B.3</b>)</p> <p><b>3C.2.</b> <i>Health Care Policies Making</i></p> <ul style="list-style-type: none"> <li>☞ Introduction to theories and process</li> <li>☞ Introduction to health economics</li> <li>☞ Health services innovations in response to changing social and health care needs in Hong Kong</li> <li>☞ The impact of changing health services development on nursing</li> <li>☞ Introduction to politics and power in health care policy making</li> <li>☞ Introduction to advocacy in nursing</li> </ul>	<b>15</b>

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<b>Competence area 4: Research</b>		
<b>Item</b>	<b>Topics</b>	<b>Minimum Hours*</b>
<b>4A.</b>	<p><b>Basic Knowledge in Conducting Research in Health Care Settings</b></p> <ul style="list-style-type: none"> <li>☞ Introduction to the process of research</li> <li>1. The research question</li> <li>2. Literature search</li> <li>3. Research design</li> <li>4. Ethical issues</li> <li>5. Data collection</li> <li>6. Data analysis</li> <li>7. Dissemination of research findings</li> </ul>	<b><i>40</i></b>
<b>4B.</b>	<p><b>Appraising and Utilizing Research Findings</b></p> <ul style="list-style-type: none"> <li>☞ Components of a research critique</li> <li>☞ Strengths and weaknesses of a research</li> <li>☞ Integrating research and practice</li> <li>☞ Strategies in research utilization</li> <li>☞ Research and evidence-based practice</li> </ul>	

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<b>Competence area 5: Personal Effectiveness and Professional Development</b>		
<b>Item</b>	<b>Topics</b>	<b>Minimum Hours*</b>
<b>5A.</b>	<p><b>Personal Effectiveness</b></p> <p><i>Knowledge of Self, Environment, Stress Coping and Adaptation to Change</i></p> <ul style="list-style-type: none"> <li>☞ Personal qualities and attitudes of the nurse</li> <li>☞ Development of positive self-concept, attitudes, values and beliefs</li> <li>☞ Self-awareness and value clarification</li> <li>☞ Adaptation to change</li> <li>☞ Stress and coping strategies</li> </ul>	<i>(Included in 1A.3)</i>
<b>5B.</b>	<p><b>Professional Development</b></p> <p><i>Knowledge of Professional Organizations and Advanced Learning Opportunities</i></p> <ul style="list-style-type: none"> <li>☞ Introduction to professional organizations related to nursing <ul style="list-style-type: none"> <li>1. Nursing Council of Hong Kong</li> <li>2. Local nursing organizations</li> <li>3. Major local, national and international health and nursing organizations</li> <li>4. Major medical, health and social services in Hong Kong</li> </ul> </li> <li>☞ Introduction to various nursing specialties and opportunities for continuing education</li> <li>☞ Career planning and development</li> </ul>	<b>2</b>
<b>5C.</b>	<p><b>Establishing and Maintaining Nursing as a Profession</b></p> <p><i>Achieving Professionalism</i></p> <ul style="list-style-type: none"> <li>☞ Characteristics of a profession</li> <li>☞ Establishing nursing as a valued profession in society: <ul style="list-style-type: none"> <li>– Developing a competent and confident professional image</li> <li>– Quality service</li> <li>– Social involvement</li> <li>– Professional coalition</li> <li>– Promulgation of professional excellence</li> </ul> </li> <li>☞ Developing political skills and bargaining power</li> </ul> <p>(Integration of knowledge as specified in <b>Competence Area 1, 1C.2.</b>)</p>	<b>6</b>

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## ESSENTIAL TOPICS IN 'BASIC NURSING FOR SAFE PRACTICE'

Item	Topics	Minimum Hours*
<b>I.</b>	<p><b>The nursing process – a problem solving approach in nursing</b></p> <p><b>1. Assessment:</b>  <i>Comprehensive health assessment of:</i></p> <ul style="list-style-type: none"> <li>◆ the individual: <ul style="list-style-type: none"> <li>- Physical aspects</li> <li>- Psychosocial aspects</li> <li>- Spiritual aspects</li> </ul> </li> <li>◆ the family</li> <li>◆ community</li> </ul> <p><b>2. Planning</b></p> <p><b>3. Implementation</b></p> <p><b>4. Evaluation</b></p>	(2)
<b>II.</b>	<p><b>Essential nursing techniques in clinical settings for safe practice</b></p> <p><b>1. Ensuring a safe and comfortable environment for care</b></p> <p><i>1.1. Ward/clinical unit</i></p> <ul style="list-style-type: none"> <li>◆ Organization of the ward/unit activities</li> <li>◆ Provision of a safe and comfortable physical environment <ul style="list-style-type: none"> <li>- Preparation and maintenance of clinical necessities:</li> <li>- The bed/cot unit</li> <li>- Equipments, linens and clinical supplies</li> <li>- Lotions and poisonous substances</li> <li>- Food and drugs</li> </ul> </li> </ul> <p><i>1.2. Infection control:</i></p> <ul style="list-style-type: none"> <li>◆ Concepts of infectious agents, infection risks, and nosocomial infection</li> <li>◆ Principles of infection control</li> <li>◆ Infection control in relation to nursing practice</li> <li>◆ Infection control policies and practices: <ul style="list-style-type: none"> <li>- Medical and surgical asepsis</li> <li>- Isolation precautions</li> <li>- Handling of clinical wastes</li> </ul> </li> <li>◆ The use of common antiseptics and disinfectants</li> </ul>	(5)

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Item	Topics	Minimum Hours*
<b>II.</b>	<p><b>Essential nursing techniques in clinical settings for safe practice (Cont'd)</b></p> <p><b>2. Maintenance and promotion of occupational safety and health</b></p> <p><i>2.1. Risk assessment and management</i></p> <p><i>2.2. Body mechanics and prevention of back injuries</i></p> <p><i>2.3. Measures to prevent accidents and injuries in clinical settings</i></p> <p><b>3. Documentation and reporting of care</b></p> <p><i>3.1. Purposes</i></p> <p><i>3.2. Types of records</i></p> <p><i>3.3. Principles and methods</i></p> <p><b>4. Helping the client meet the basic needs of living</b></p> <p><i>4.1. Meeting safety needs</i></p> <ul style="list-style-type: none"> <li>◆ Care of clients requiring special protection and care: the unconscious, the very ill, the delirious/restless and the depressed</li> <li>◆ The use of safety devices</li> <li>◆ Suicide precautions</li> </ul> <p><i>4.2. Meeting psychosocial needs in the following situations:</i></p> <ul style="list-style-type: none"> <li>◆ Hospitalization</li> <li>◆ Stages of illness</li> <li>◆ Fear and anxiety</li> <li>◆ Self-concept disturbance</li> </ul> <p><i>4.3. Maintaining body temperature</i></p> <ul style="list-style-type: none"> <li>◆ Methods of reducing/raising body temperature</li> <li>◆ Care of the febrile and the hypothermic clients</li> </ul> <p><i>4.4. Promoting hygiene</i></p> <ul style="list-style-type: none"> <li>◆ Personal hygiene</li> <li>◆ Comfort and cleanliness</li> <li>◆ Maintaining skin integrity</li> <li>◆ Care of infested hair</li> </ul> <p><i>4.5. Promoting rest and sleep</i></p> <ul style="list-style-type: none"> <li>◆ The nature of sleep and the sleep cycle</li> <li>◆ Sleep disorders</li> <li>◆ Techniques in promoting rest and sleep</li> <li>◆ Sleeping aids</li> </ul> <p><i>4.6. Facilitating relief from pain</i></p> <ul style="list-style-type: none"> <li>◆ Theories of pain and pain transmission</li> <li>◆ Types of pain</li> <li>◆ Assessment of pain</li> <li>◆ Modulation of pain</li> </ul>	<p>(4)</p> <p>(2)</p> <p>(152)</p>

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Item	Topics	Minimum Hours*
II.	<p><b>Essential nursing techniques in clinical settings for safe practice (Cont'd)</b></p> <p>4.7. <i>Meeting respiratory needs</i></p> <ul style="list-style-type: none"> <li>◆ Methods to maintain airway patency <ul style="list-style-type: none"> <li>- insertion of airway</li> <li>- use of suction apparatus</li> </ul> </li> <li>◆ Basic respiratory therapeutic measures <ul style="list-style-type: none"> <li>- methods to administer oxygen</li> <li>- inhalations: steam and vapor</li> </ul> </li> <li>◆ Assisting the client to perform <ul style="list-style-type: none"> <li>- breathing and coughing exercise</li> <li>- postural drainage</li> </ul> </li> </ul> <p>4.8. <i>Meeting mobility needs</i></p> <ul style="list-style-type: none"> <li>◆ Causes of immobility and bed confinement</li> <li>◆ Responses of the body to immobility</li> <li>◆ Prevention of complications of immobility and bed confinement</li> <li>◆ The use of ambulatory devices and care of the ambulant client</li> <li>◆ Moving and lifting clients with/without mobility devices: <ul style="list-style-type: none"> <li>- in bed</li> <li>- between bed and trolley/chair/wheel chair</li> </ul> </li> <li>◆ Principles of physiotherapy</li> <li>◆ Principles of occupational therapy</li> </ul> <p>4.9. <i>Meeting fluid and nutritional needs</i></p> <ul style="list-style-type: none"> <li>◆ Factors that influence food and fluid intake, dietary patterns and nutritional status</li> <li>◆ Methods to assess a person's nutritional status, dietary and fluid intake</li> <li>◆ Meeting special nutritional needs associated with each stage of the life cycle</li> <li>◆ Methods of maintaining fluid and nutritional balance: <ul style="list-style-type: none"> <li>- regulating oral fluid intake</li> <li>- administering intravenous therapy</li> <li>- administering intravenous infusion/hyperalimentation / blood transfusion</li> <li>- recording intake and output</li> <li>- preparing and serving food</li> <li>- feeding helpless persons, infants, the physically handicapped, the older adults</li> <li>- administering enteral/tube feeding</li> </ul> </li> </ul>	

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Item	Topics	Minimum Hours*
II.	<p><b>Essential nursing techniques in clinical settings for safe practice (Cont'd)</b></p> <p><i>4.10. Meeting bowel elimination needs</i></p> <ul style="list-style-type: none"> <li>◆ Normal bowel patterns</li> <li>◆ Factors affecting bowel elimination</li> <li>◆ Identifying bowel elimination problems</li> <li>◆ Maintaining a regular pattern of bowel elimination</li> <li>◆ Observation of stools and collection of specimens</li> <li>◆ Assisting the client in using devices for bowel elimination: <ul style="list-style-type: none"> <li>- use of commodes/sani-chairs</li> <li>- giving and removing bedpans</li> </ul> </li> <li>◆ Nursing interventions in managing: constipation, impaction, flatulence <ul style="list-style-type: none"> <li>- inserting suppositories</li> <li>- giving enemas and rectal washouts</li> </ul> </li> <li>◆ Care of the client with diarrhoea</li> <li>◆ Care of the client with bowel incontinence</li> </ul> <p><i>4.11. Meeting urinary elimination needs</i></p> <ul style="list-style-type: none"> <li>◆ Factors affecting urinary elimination</li> <li>◆ Problems with urinary elimination</li> <li>◆ Characteristics of urine</li> <li>◆ Collection of urine specimens</li> <li>◆ Urinalysis</li> <li>◆ Promoting continence</li> <li>◆ Care of incontinent clients</li> <li>◆ Altered urinary elimination: retention and incontinence <ul style="list-style-type: none"> <li>- catheterization: male and female</li> <li>- care of the client with an indwelling catheter</li> <li>- care of the client with bladder drainage</li> </ul> </li> </ul> <p><i>4.12. Promoting sexual health</i></p> <ul style="list-style-type: none"> <li>◆ Sexuality and the client's health status</li> </ul> <p><i>4.13. Promoting spiritual health</i></p> <ul style="list-style-type: none"> <li>◆ Spiritual needs</li> <li>◆ Concepts of spirituality and spiritual care</li> <li>◆ Nurses' role in spiritual care</li> </ul> <p><i>4.14. Helping clients cope with loss and grief, death and dying</i></p> <ul style="list-style-type: none"> <li>◆ Concepts of loss and grief</li> <li>◆ Theories related to death, dying, grief and grieving</li> <li>◆ Care of the dying</li> <li>◆ Last offices</li> </ul>	

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Item	Topics	Minimum Hours*
II.	<p><b>Essential nursing techniques in clinical settings for safe practice (Cont'd)</b></p> <p><b>5. Assisting the client to undertake diagnostic procedures</b>  <i>5.1 Nursing responsibilities before, during and after physical examination and diagnostic procedures including:</i></p> <ul style="list-style-type: none"> <li>◆ Imaging procedures <ul style="list-style-type: none"> <li>- plain x-ray examinations</li> <li>- X-ray examinations using contrast media</li> <li>- X-ray examinations using radioactive materials</li> <li>- ultrasonography</li> <li>- scanning</li> <li>- magnetic resonance imaging</li> <li>- pulmonary function studies</li> </ul> </li> <li>◆ Endoscopic examinations</li> <li>◆ Diagnostic procedures for laboratory studies: <ul style="list-style-type: none"> <li>- tissue biopsies</li> <li>- lumbar puncture</li> <li>- aspirations of cavities</li> <li>- endocrine activity tests</li> <li>- collection of specimens</li> </ul> </li> <li>◆ Electrographic diagnostic studies: <ul style="list-style-type: none"> <li>- electrocardiogram</li> <li>- electroencephalogram</li> <li>- electromyogram</li> </ul> </li> </ul> <p><b>6. Administration of medications</b></p> <ul style="list-style-type: none"> <li>◆ Principles</li> <li>◆ Basic written language and mathematical processes in drug therapy</li> <li>◆ Rules and safety measures</li> <li>◆ Routes, methods and techniques</li> <li>◆ The ordering, storage, custody, and recording of controlled drugs according to related drug control ordinances</li> <li>◆ Responsibilities of the nurse and other members of the health care team in relation to medications</li> <li>◆ The rights and responsibilities of the client in relation to taking medications</li> </ul> <p><b>7. Principles of First Aid</b>  <b>7.1. Introduction:</b></p> <ul style="list-style-type: none"> <li>◆ Aims of first aid</li> <li>◆ First aid management principles</li> <li>◆ Casualty assessment</li> <li>◆ Methods of moving and carrying injured persons</li> <li>◆ The use of different types of bandage and splints</li> <li>◆ Improvisation of equipment and utilization of available material</li> </ul>	<p>(25)  (Covering Topics No. 5, 6, and 7)</p>

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Item	Topics	Minimum Hours*
III.	<p><b>Principles and Practice of Nursing (Cont'd)</b></p> <p><b>3. Introduction to operating theatre techniques, intraoperative care and anaesthetic nursing</b></p> <ul style="list-style-type: none"> <li>◆ Preparation and use of the operating theatre and annexes</li> <li>◆ Preparation, sterilization, utilization and care of surgical instruments/equipments</li> <li>◆ Types of anaesthesia, principles of application and possible complications</li> <li>◆ Commonly used anaesthetic agents and related nursing implications</li> <li>◆ Roles and responsibilities of the nurse in the operating theatre (OT):</li> <li>◆ Techniques of scrubbing up, gowning and donning of sterile gloves</li> <li>◆ Care of the client - prior to anaesthesia and operation <ul style="list-style-type: none"> <li>- during anaesthetic procedures</li> <li>- during operation</li> <li>- immediately after anaesthesia and operation</li> <li>- in the recovery room</li> </ul> </li> </ul> <p><b>4. Medical and surgical nursing in relation to illness prevention and health restoration of clients with alteration in various body system functions</b></p> <p><i>Major body systems:</i></p> <ul style="list-style-type: none"> <li>◆ Alimentary</li> <li>◆ Cardiovascular and lymphatic</li> <li>◆ Dermatological</li> <li>◆ Endocrine</li> <li>◆ Genito-urinary</li> <li>◆ Haematological</li> <li>◆ Musculo-skeletal</li> <li>◆ Neurological</li> <li>◆ Ophthalmic</li> <li>◆ Oto-rhino-laryngeal</li> <li>◆ Reproductive</li> <li>◆ Respiratory</li> </ul> <p><i>Suggested study framework</i></p> <ul style="list-style-type: none"> <li>◆ Applied anatomy and physiology</li> <li>◆ Normal functioning of body systems</li> <li>◆ Common disorders and their etiologies</li> <li>◆ Prevalence and incidence of illness</li> <li>◆ Special investigations and therapeutic measures</li> <li>◆ Assessing, planning, implementing, and evaluating preventive/promotive/curative/rehabilitative care</li> <li>◆ Contemporary therapeutic agents and their nursing implications</li> </ul> <p>- (Please refer to Appendix3 for details.)</p>	<p>(4)</p> <p>(234)</p>

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Item	Topics	Minimum Hours*
<b>III.</b>	<p><b>Principles and Practice of Nursing (Cont'd)</b></p> <p><b>5. Rehabilitative Nursing</b></p> <ul style="list-style-type: none"> <li>◆ Principles of rehabilitative care</li> <li>◆ Comprehensive assessment</li> <li>◆ Family-centered care and community care</li> <li>◆ Multi-disciplinary approach in rehabilitative care</li> <li>◆ Community resources for rehabilitative care</li> <li>◆ Applied rehabilitative care for clients with special needs</li> <li>◆ Discharge planning</li> <li>◆ Roles and responsibilities of the rehabilitative nurse</li> </ul> <p><b>6. Oncology Nursing and Hospice Care</b></p> <ul style="list-style-type: none"> <li>◆ Principles of oncology nursing</li> <li>◆ Principles of radiation therapy and chemotherapy</li> <li>◆ Care of clients undergoing radiation therapy and chemotherapy</li> <li>◆ Pain management</li> <li>◆ Principles of hospice care</li> <li>◆ Occupational safety in radiation therapy and chemotherapy</li> <li>◆ Legal and ethical issues related to oncology nursing and hospice care</li> </ul> <p><b>7. Paediatric and Adolescent Nursing</b></p> <ul style="list-style-type: none"> <li>◆ Theories of growth and development</li> <li>◆ Principles of paediatric and adolescent nursing</li> <li>◆ Health assessment in children and adolescents</li> <li>◆ Paediatric and adolescent nutrition</li> <li>◆ Nursing care and management of neonates, including preterm and small-for-dates babies</li> <li>◆ Nursing care and management of infants, sick children</li> <li>◆ Nursing care and management of adolescents: <ul style="list-style-type: none"> <li>- sexuality</li> <li>- sexually transmitted diseases</li> <li>- eating disorders</li> <li>- substance abuse</li> <li>- adolescent pregnancy</li> <li>- chronic health problems</li> </ul> </li> <li>◆ Preventing accidents at home</li> <li>◆ Children's rights</li> <li>◆ Child abuse and the related roles of the nurse</li> <li>◆ Play therapy</li> </ul>	<p>(16)</p> <p>(16)</p> <p>(50)</p>

\* Figures in bold and italics are the total hours for the subject, and those *in brackets are the breakdown of hours for reference only*

Item	Topics	Minimum Hours*
<b>III.</b>	<p><b>Principles and Practice of Nursing (Cont'd)</b></p> <p><b>8. Obstetric Nursing</b></p> <ul style="list-style-type: none"> <li>◆ Applied anatomy and physiology</li> <li>◆ Normal pregnancy</li> <li>◆ Minor disorders of pregnancy</li> <li>◆ Antenatal care</li> <li>◆ Stages of normal labour</li> <li>◆ Intrapartum care</li> <li>◆ Postnatal care and family planning</li> <li>◆ Care of the newborn</li> <li>◆ Common complications of pregnancy, labour and puerperium</li> <li>◆ Introduction to obstetric emergencies</li> <li>◆ Roles and responsibilities of the midwife</li> </ul> <p><b>9. Gerontological Nursing</b></p> <ul style="list-style-type: none"> <li>◆ Theories related to gerontological nursing <ul style="list-style-type: none"> <li>- Theories of aging</li> <li>- The normal aging process</li> <li>- Epidemiology of aging</li> <li>- Philosophy of gerontological nursing and scope of care</li> </ul> </li> <li>◆ Promoting health and wellness of the elderly people <ul style="list-style-type: none"> <li>- Comprehensive health assessment</li> <li>- Common physical, social and mental health problems and their management</li> <li>- Communicating with elderly people</li> <li>- Meeting activities of daily living needs and psychosocial needs</li> <li>- Health education and health promotion</li> <li>- Rehabilitation</li> </ul> </li> <li>◆ Issues in gerontological care <ul style="list-style-type: none"> <li>- Family-centered care and community care</li> <li>- Multi-disciplinary approach</li> <li>- Health and social services for the elderly people</li> <li>- Legal and ethical implications</li> </ul> </li> </ul> <p><b>10. Mental Health Nursing</b></p> <ul style="list-style-type: none"> <li>◆ Principles of mental health nursing</li> <li>◆ Roles and responsibilities of the mental health nurse</li> <li>◆ Common mental disorders <ul style="list-style-type: none"> <li>- Classification</li> <li>- Causes</li> <li>- Signs and symptoms</li> </ul> </li> <li>◆ Nursing care and management of the client with mental health problems</li> <li>◆ Psychological and mental status investigations and assessments</li> <li>◆ Treatment and uses of psychotropic drugs</li> <li>◆ Rehabilitation of the clients with mental health problems</li> <li>◆ Community care</li> <li>◆ Structure of the mental health services in Hong Kong</li> <li>◆ Legal and ethical issues related to mental health nursing, including the Mental Health Ordinance</li> </ul>	<p>(40)</p> <p>(30)</p> <p>(40)</p>

\* Figures in bold and italics are the total hours for the subject, and those *in brackets are the breakdown of hours for reference only*

Item	Topics	Minimum Hours*
<b>III.</b>	<p><b>Principles and Practice of Nursing (Cont'd)</b></p> <p><b>11. Community Nursing</b></p> <ul style="list-style-type: none"> <li>◆ Principles of community nursing</li> <li>◆ Roles and responsibilities of the community nurse</li> <li>◆ Comprehensive assessment</li> <li>◆ Planning and preparing for home visits and nursing care</li> <li>◆ Home care nursing and management of specific conditions at home</li> <li>◆ Emotional problems and stress in the home</li> <li>◆ Co-ordination of other medical, health and social services in meeting the needs of the client and family</li> <li>◆ Client and family education</li> <li>◆ Community support and network, nurse-led clinics</li> </ul> <p><b>12. Modern Chinese Medicine Nursing and Complementary Alternative Medicines</b></p> <p><i>12.1 Modern Chinese Medicine Nursing</i></p> <ul style="list-style-type: none"> <li>◆ Health concepts of Chinese medicine</li> <li>◆ Basic theories of Traditional Chinese Medicine <ul style="list-style-type: none"> <li>- Yin and Yang</li> <li>- The Five Vital Primary Elements</li> <li>- Internal organs and functions</li> <li>- Meridians</li> </ul> </li> <li>◆ Introduction to Modern Chinese Medicine</li> <li>◆ Diagnostic and therapeutic methods</li> <li>◆ Basic concepts about Chinese herbs and medications</li> <li>◆ Roles and responsibilities of Modern Chinese Medicine Nurses</li> <li>◆ Scopes and principles of Modern Chinese Medicine Nursing</li> </ul> <p><i>12.2 Complementary and Alternative Medicines</i></p> <ul style="list-style-type: none"> <li>◆ Characteristics of complementary and alternative medicines</li> <li>◆ Introduction to some common contemporary therapy systems and approaches: <ul style="list-style-type: none"> <li>- acupuncture and moxibustion</li> <li>- baguang (vacuum cupping)</li> <li>- guasha</li> <li>- tuana</li> <li>- homeopathy</li> <li>- aromatherapy</li> <li>- music therapy</li> <li>- light therapy</li> <li>- therapeutic touch</li> <li>- qigong</li> <li>- chiropractic</li> <li>- reflexology</li> </ul> </li> </ul>	<p>(40)</p> <p>(40)</p>

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## Outline of topics and related contents under major body systems

(Content items are not exhaustive and should be reviewed from time to time)

Body systems	Special investigations	Therapeutic measures	Common disorders	Contemporary therapeutic agents & nursing implications
<b>1. Alimentary</b>	<p><b>Imaging procedures</b></p> <ul style="list-style-type: none"> <li>● Plain X-ray examinations</li> <li>● X-ray examinations using contrast medium</li> <li>● Ultrasonography</li> <li>● Scanning</li> <li>● Magnetic Resonance Imaging (MRI)</li> </ul> <p><b>Endoscopic examinations</b></p> <ul style="list-style-type: none"> <li>● Esophagoscopy</li> <li>● Gastroduodenoscopy</li> <li>● Colonoscopy</li> <li>● Sigmoidoscopy, protoscopy</li> <li>● Endoscopic retrograde cholangiopancreatography (ERCP)</li> </ul> <p><b>Blood tests</b></p> <ul style="list-style-type: none"> <li>● Liver function tests (LFT)</li> <li>● Electrolytes</li> <li>● Complete blood count (CBC)</li> <li>● Serum amylase</li> <li>● Carcinoembryonic antigen (CEA)</li> </ul> <p><b>Biopsy</b></p> <ul style="list-style-type: none"> <li>● Liver biopsy</li> </ul> <p><b>Other laboratory studies</b></p> <ul style="list-style-type: none"> <li>● Gastric analysis</li> <li>● Stool and vomitus examination</li> <li>● Breath test</li> </ul>	<p><b>Procedures</b></p> <ul style="list-style-type: none"> <li>● Enteral feeding and parenteral nutrition</li> <li>● Nasogastric tube feeding</li> <li>● Gastrostomy feeding</li> <li>● Total parenteral nutrition</li> <li>● Nasogastric tube intubation</li> <li>● Gastric lavage</li> <li>● Abdominal paracentesis</li> <li>● Sengstaken tube intubation</li> <li>● Sitz bath</li> </ul> <p><b>Medical management</b></p> <p><b>Surgical management</b></p> <p><b>Nursing management</b></p>	<p><b>Oral cavity</b></p> <ul style="list-style-type: none"> <li>● Cleft lips and cleft palate</li> <li>● Neoplasm of the tongue</li> <li>● Dental problems</li> <li>● Common oral infections</li> </ul> <p><b>Esophagus</b></p> <ul style="list-style-type: none"> <li>● Foreign body</li> <li>● Oesophageal varices</li> <li>● Neoplasms</li> </ul> <p><b>Stomach and duodenum</b></p> <ul style="list-style-type: none"> <li>● Gastritis</li> <li>● Pyloric stenosis</li> <li>● Peptic ulcer</li> <li>● Duodenal ulcer</li> <li>● Neoplasms</li> </ul> <p><b>Intestines</b></p> <ul style="list-style-type: none"> <li>● Intestinal obstruction</li> <li>● Appendicitis</li> <li>● Hernia</li> <li>● Haemorrhoid</li> <li>● Abscess and fistula</li> <li>● Diverticulitis</li> <li>● Crohn's disease</li> <li>● Ulcerative colitis</li> <li>● Neoplasms</li> </ul> <p style="text-align: right;">(To be continued on next page)</p>	<ul style="list-style-type: none"> <li>● Antacids</li> <li>● Gastro-intestinal regulators</li> <li>● Anti-ulcerants</li> <li>● Anti-cholinergic agents</li> <li>● Emetics</li> <li>● Anti-emetics</li> <li>● Pancreatic enzymes</li> <li>● Bile salts</li> <li>● Purgatives</li> <li>● Anti-diarrhoeal agents</li> <li>● Anti-helminthics</li> <li>● Topical rectal medications</li> </ul>
<b>1. Alimentary (Cont'd)</b>			<b>Accessory organs</b>	

			<ul style="list-style-type: none"><li>● Cholangitis</li><li>● Gallstones</li><li>● Jaundice</li><li>● Hepatitis</li><li>● Cirrhosis of liver</li><li>● Carcinoma of liver</li><li>● Hepatic failure</li><li>● Hepatic coma</li><li>● Pancreatitis</li><li>● Neoplasms</li></ul> <p><b>Others</b></p> <ul style="list-style-type: none"><li>● Peritonitis</li><li>● Food poisoning</li><li>● Malabsorption syndrome</li><li>● Hiatus hernia</li><li>● Worm infestation</li><li>● Enteric infections:<ul style="list-style-type: none"><li>– Typhoid</li><li>– Cholera</li><li>– Dysentery</li></ul></li></ul>	
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Body systems	Special investigations	Therapeutic measures	Common disorders	Contemporary therapeutic agents & nursing implications
<b>2. Cardiovascular &amp; Lymphatic</b>	<p><b>Imaging procedures</b></p> <ul style="list-style-type: none"> <li>● Plain X-ray examination</li> <li>● X-ray examination using contrast medium</li> <li>● Magnetic Resonance Imaging (MRI)</li> </ul> <p><b>Electrographic diagnostic procedures</b></p> <ul style="list-style-type: none"> <li>● Electrocardiogram</li> </ul> <p><b>Blood tests</b></p> <ul style="list-style-type: none"> <li>● Complete blood count (CBC)</li> <li>● Cardiac enzymes</li> <li>● Serum electrolytes</li> <li>● Serum lipids</li> <li>● Coagulation test</li> <li>● Blood glucose</li> </ul> <p><b>Biopsy</b></p> <ul style="list-style-type: none"> <li>● Lymph node biopsy</li> <li>● Lymphangiography</li> </ul> <p><b>Others</b></p> <ul style="list-style-type: none"> <li>● Cardiac catheterization</li> <li>● Exercise stress test</li> <li>● Echocardiogram</li> </ul>	<p><b>Procedures</b></p> <ul style="list-style-type: none"> <li>● Cardiac pacing</li> <li>● Pericardiocentesis</li> <li>● Percutaneous Transluminal Coronary Angioplasty (PTCA)</li> <li>● Advanced cardiac life support</li> </ul> <p><b>Medical management</b></p> <p><b>Surgical management</b></p> <p><b>Nursing management</b></p>	<p><b>Cardiac conditions</b></p> <ul style="list-style-type: none"> <li>● Congenital heart diseases</li> <li>● Cardiac arrhythmia</li> <li>● Heart block</li> <li>● Coronary heart disease</li> <li>● Valvular heart disease</li> <li>● Carditis</li> <li>● Rheumatic fever and rheumatic heart disease</li> <li>● Heart failure</li> <li>● Cardiac arrest</li> </ul> <p><b>Vascular conditions:</b></p> <ul style="list-style-type: none"> <li>● Hypertension</li> <li>● Varicose veins</li> <li>● Peripheral vascular disease</li> <li>● Aneurysm</li> <li>● Thrombosis and embolism</li> <li>● Arteriosclerosis</li> <li>● Atherosclerosis</li> <li>● Arterio-venous malformation</li> <li>● Phlebotomy</li> </ul> <p><b>Lymphatic disorders</b></p> <ul style="list-style-type: none"> <li>● Hodgkins disease</li> <li>● Lymphadenitis</li> <li>● Lymphomas</li> </ul>	<ul style="list-style-type: none"> <li>● Cardiac glycoside</li> <li>● Cardiac stimulants</li> <li>● Anti-angina agents</li> <li>● Anti-arrhythmic agents</li> <li>● Anti-thrombotic agents</li> <li>● Anti-hypertensive agents</li> <li>● Vasodilators</li> <li>● Vasoconstrictors</li> <li>● Hypolipidemic agents</li> </ul>
<b>3. Haematological</b>	<p><b>Blood tests</b></p> <ul style="list-style-type: none"> <li>● Complete blood count (CBC)</li> <li>● Total differential count</li> <li>● Coagulation studies</li> <li>● Peripheral blood smear</li> </ul> <p><b>Biopsy</b></p> <ul style="list-style-type: none"> <li>● Bone marrow biopsy</li> </ul>	<p><b>Procedures</b></p> <ul style="list-style-type: none"> <li>● Blood product transfusion</li> <li>● Marrow transplant</li> </ul> <p><b>Medical management</b></p> <p><b>Surgical management</b></p> <p><b>Nursing management</b></p>	<ul style="list-style-type: none"> <li>● Anaemias</li> <li>● Leukaemias</li> <li>● Haemorrhagic conditions</li> <li>● Autoimmune diseases</li> <li>● Human Immunodeficiency Virus (HIV) infection</li> <li>● Malaria</li> </ul>	<ul style="list-style-type: none"> <li>● Iron preparations</li> <li>● Haematinics</li> <li>● Anticoagulants</li> <li>● Clotting agents &amp; haemostatics</li> <li>● Fibrinolytic agents</li> </ul>

Body systems	Special investigations	Therapeutic measures	Common disorders	Contemporary therapeutic agents & nursing implications
<b>4. Dermatological</b>	<b>Blood test</b>  <b>Skin biopsy</b>  <b>Skin scrapping</b>  <b>Sensitivity test</b>	<b>Procedures</b> <ul style="list-style-type: none"> <li>● Local applications</li> <li>● Cauterization</li> <li>● Skin grafting</li> </ul> <b>Medical management</b>  <b>Surgical management</b>  <b>Nursing management</b>	<b>Eczema</b> <ul style="list-style-type: none"> <li>● Contact dermatitis</li> <li>● Atopic eczema</li> </ul> <b>Bacterial infection</b> <ul style="list-style-type: none"> <li>● Impetigo</li> <li>● Folliculitis</li> <li>● Hansen's disease</li> </ul> <b>Fungal infections</b> <ul style="list-style-type: none"> <li>● Tinea infections</li> <li>● Candidiasis</li> </ul> <b>Viral infections</b> <ul style="list-style-type: none"> <li>● Herpes</li> <li>● Warts</li> </ul> <b>Parasitic infestations</b> <ul style="list-style-type: none"> <li>● Scabies</li> <li>● Pediculosis</li> </ul> <b>Acne</b>  <b>Psoriasis</b>  <b>Skin cancers and neoplasms</b>  <b>Burns and scalds</b>	<ul style="list-style-type: none"> <li>● Topical &amp; protective agents</li> <li>● Keratolytics and cleansers</li> <li>● Anti-bacterials</li> <li>● Anti-fungals</li> <li>● Anti-parasitics</li> <li>● Corticosteroids</li> <li>● Anti-histamines</li> </ul>

Body systems	Special investigations	Therapeutic measures	Common disorders	Contemporary therapeutic agents & nursing implications
<b>5. Endocrine</b>	<b>Imaging procedures</b>  <b>Blood test</b> <ul style="list-style-type: none"> <li>● Thyroid function test</li> <li>● Adrenal function test</li> <li>● Pancreatic function test</li> <li>● Pituitary function test</li> </ul> <b>Biopsy</b>	<b>Diabetic diet</b>  <b>Insulin therapy</b>  <b>Medical management</b>  <b>Surgical management</b>  <b>Nursing management</b>	<b>Pituitary gland</b> <ul style="list-style-type: none"> <li>● Gigantism/ acromegaly</li> <li>● Simmond's disease</li> <li>● Diabetes insipidus</li> <li>● Neoplasms</li> <li>● Dwarfism</li> </ul> <b>Thyroid gland</b> <ul style="list-style-type: none"> <li>● Congenital abnormalities</li> <li>● Hyperthyroidism (Cretinism, myxedema)</li> <li>● Goiters</li> <li>● Hypothyroidism</li> <li>● Neoplasms</li> </ul> <b>Parathyroid gland</b> <ul style="list-style-type: none"> <li>● Hyperparathyroidism</li> <li>● Hypoparathyroidism</li> </ul> <b>Pancreas</b> <ul style="list-style-type: none"> <li>● Diabetes mellitus</li> <li>● Cancers</li> </ul> <b>Adrenal gland</b> <ul style="list-style-type: none"> <li>● Cushing's syndrome</li> <li>● Addison's disease</li> <li>● Pheochromocytoma</li> </ul>	<ul style="list-style-type: none"> <li>● Systemic corticosteroids</li> <li>● Anabolic steroids</li> <li>● Insulin preparations</li> <li>● Insulin antagonists</li> <li>● Hypoglycaemic agents</li> <li>● Thyroid hormones</li> <li>● Anti-thyroid drugs</li> <li>● Androgens</li> <li>● Oestrogens</li> <li>● Progesterones</li> <li>● Pituitary hormones</li> </ul>

Body systems	Special investigations	Therapeutic measures	Common disorders	Contemporary therapeutic agents & nursing implications
<b>6. Genito-urinary</b> (including the male reproductive system)	<b>Imaging procedures</b> <ul style="list-style-type: none"> <li>● X-ray Kidney, Ureter &amp; Bladder (KUB)</li> <li>● Intravenous Urography (IVU)</li> <li>● Ultrasonographs</li> <li>● Magnetic Resonance Imaging (MRI)</li> <li>● Computerized Tomography (CT)</li> </ul> <b>Endoscopic examinations</b> <ul style="list-style-type: none"> <li>● Cystoscopy</li> <li>● Ureterscopy</li> <li>● Nephroscopy</li> </ul> <b>Blood test</b> <ul style="list-style-type: none"> <li>● Chemistry</li> <li>● Haematology</li> </ul> <b>Urine tests</b> <ul style="list-style-type: none"> <li>● Routine urinalysis</li> <li>● Bacteriological studies</li> <li>● Cytological studies</li> <li>● Clearance studies</li> </ul> <b>Urodynamic studies</b> <b>Biopsy</b>	<b>Procedures</b> <ul style="list-style-type: none"> <li>● Bladder irrigations</li> <li>● Peritoneal dialysis</li> <li>● Continuous ambulatory peritoneal dialysis</li> <li>● Haemodialysis</li> <li>● Endoscopic procedures</li> <li>● Lithotripsy</li> </ul> <b>Medical management</b> <b>Surgical management</b> <b>Nursing management</b>	<b>Kidney and bladder</b> <ul style="list-style-type: none"> <li>● Glomerulonephritis</li> <li>● Nephritic syndrome</li> <li>● Renal failure</li> <li>● Traumatic conditions</li> <li>● Pyelonephritis</li> <li>● Tuberculosis</li> <li>● Polycystic kidney</li> <li>● Cystitis</li> <li>● Urinary Tract Infection</li> <li>● Calculi</li> <li>● Neoplasm</li> </ul> <b>Prostate</b> <ul style="list-style-type: none"> <li>● Benign prostatic hypertrophy</li> <li>● Neoplasm</li> </ul> <b>External genitalia</b> <ul style="list-style-type: none"> <li>● Hydrocele and varicoele</li> <li>● Phimosis</li> <li>● Hypospadias</li> </ul> <b>Sexually transmitted diseases</b>	<ul style="list-style-type: none"> <li>● Diuretics</li> <li>● Urinary alkalinizing agents</li> <li>● Parasympathomimetics</li> <li>● Anti-spasmodic agents</li> <li>● Phosphate binding agents</li> <li>● Ion-exchange resin</li> <li>● Urinary tract analgesics</li> <li>● Urinary antiseptics</li> </ul>

Body systems	Special investigations	Therapeutic measures	Common disorders	Contemporary therapeutic agents & nursing implications
<b>7. Musculo-skeletal</b>	<p><b>Imaging procedures</b></p> <ul style="list-style-type: none"> <li>● Plain x-ray</li> <li>● X-ray examination using contrast medium</li> <li>● Scanning</li> <li>● Magnetic Resonance Imaging</li> </ul> <p><b>Electrographic diagnostic procedures</b></p> <ul style="list-style-type: none"> <li>● Electromyography</li> </ul> <p><b>Blood tests</b></p> <p><b>Endoscopic examination</b></p> <ul style="list-style-type: none"> <li>● Arthroscopy</li> </ul> <p><b>Joint aspiration</b></p> <p><b>Muscle &amp; synovial capsule biopsy</b></p>	<p><b>Procedures</b></p> <ul style="list-style-type: none"> <li>● Manipulation</li> <li>● Traction</li> <li>● Splintage</li> </ul> <p><b>Physiotherapy</b></p> <p><b>Occupational therapy</b></p> <p><b>Medical Management</b></p> <p><b>Surgical management</b></p> <p><b>Nursing management</b></p>	<p><b>Infection</b></p> <ul style="list-style-type: none"> <li>● Osteomyelitis</li> <li>● Pyogenic arthritis</li> <li>● Tuberculosis spondylitis</li> <li>● Gangrene</li> </ul> <p><b>Chronic Non-infective Conditions</b></p> <ul style="list-style-type: none"> <li>● Osteoarthritis</li> <li>● Rheumatoid arthritis</li> <li>● Gouty arthritis</li> <li>● Ankylosing spondylitis</li> </ul> <p><b>Trauma</b></p> <ul style="list-style-type: none"> <li>● Fractures</li> <li>● Dislocations</li> <li>● Strain &amp;, sprains</li> </ul> <p><b>Metabolic Diseases</b></p> <ul style="list-style-type: none"> <li>● Osteoporosis</li> <li>● Osteomalacia</li> </ul> <p><b>Neoplasms</b></p> <p><b>Congenital &amp; developmental disorders</b></p> <p><b>Degenerative conditions</b></p>	<ul style="list-style-type: none"> <li>● Analgesics</li> <li>● Anti-inflammatory agents</li> <li>● Muscle relaxants</li> <li>● Anti-gout agents</li> <li>● Anti-rheumatic agents</li> <li>● Anti-ulcerants</li> </ul>

Body systems	Special investigations	Therapeutic measures	Common disorders	Contemporary therapeutic agents & nursing implications
<b>8. Neurological</b>	<b>Imaging procedures</b> <ul style="list-style-type: none"> <li>● Plain x-ray</li> <li>● X-ray examination using contrast Medium</li> <li>● Scanning</li> <li>● Magnetic Resonance Imaging</li> <li>● Ultrasonography</li> </ul> <b>Electrographic diagnostic procedures</b> <ul style="list-style-type: none"> <li>● Electroencephalography</li> <li>● Electromyography</li> </ul> <b>Blood tests</b> <b>Biopsy</b> <b>Neurological assessments</b> <b>Sleep studies</b>	<b>Speech therapy</b> <b>Physiotherapy</b> <b>Occupational therapy</b> <b>Medical management</b> <b>Surgical management</b> <b>Nursing management</b>	<b>Infection</b> <ul style="list-style-type: none"> <li>● Meningitis</li> <li>● Encephalitis</li> <li>● Brain abscess</li> <li>● Rabies</li> <li>● Tetanus</li> <li>● Poliomyelitis</li> </ul> <b>Trauma</b> <ul style="list-style-type: none"> <li>● Head injuries</li> <li>● Spinal cord and spinal nerve injuries</li> </ul> <b>Toxic conditions</b> <ul style="list-style-type: none"> <li>● Alcoholism</li> <li>● Drug intoxication</li> </ul> <b>Cerebral vascular conditions</b> <ul style="list-style-type: none"> <li>● Cerebral vascular accidents</li> <li>● Transient ischaemic attacks</li> <li>● Cerebral aneurysm and arterio-venous malformations</li> </ul> <b>Congenital &amp; developmental disorders</b> <ul style="list-style-type: none"> <li>● Hydrocephalus</li> <li>● Spina bifida</li> </ul> <b>Degenerative conditions</b> <ul style="list-style-type: none"> <li>● Parkinson's Disease</li> <li>● Alzheimer's Disease</li> <li>● Multiple Sclerosis</li> <li>● Myasthenia Gravis</li> </ul> <b>Neoplasms</b> <b>Seizure disorders</b> <b>Others</b> <ul style="list-style-type: none"> <li>● Disturbance of speech and consciousness</li> <li>● Paralysis</li> <li>● Sleep disorders</li> <li>● Migraine</li> <li>● Cranial nerve disorders</li> </ul>	<ul style="list-style-type: none"> <li>● Anaesthetics (general &amp; local)</li> <li>● Analgesics</li> <li>● Sedatives</li> <li>● Hypnotics</li> <li>● Tranquilizers</li> <li>● Antidepressants</li> <li>● Anticonvulsants</li> <li>● Stimulants</li> <li>● Adrenergic agents</li> <li>● Parasympathomimetics</li> <li>● Anticholinergics</li> <li>● Agents for Parkinson's Disease</li> <li>● Neuromuscular blocking agents and other muscle relaxants</li> </ul>

Body systems	Special investigations	Therapeutic measures	Common disorders	Contemporary therapeutic agents & nursing implications
<b>9. Ophthalmic</b>	<b>Imaging procedures</b> <ul style="list-style-type: none"> <li>Radiological studies</li> </ul> <b>Electrographic diagnosis procedures</b> <ul style="list-style-type: none"> <li>Electro-retinography</li> </ul> <b>Blood tests</b> <b>Ophthalmic examination</b> <ul style="list-style-type: none"> <li>External</li> <li>Internal</li> </ul> <b>Vision tests</b> <ul style="list-style-type: none"> <li>Visual acuity</li> <li>Visual field</li> <li>Colour vision</li> </ul> <b>Laboratory tests</b>	<b>Procedures</b> <ul style="list-style-type: none"> <li>Hot / cold application</li> <li>Eye swabbing and irrigation</li> <li>Instillation of eye drops</li> <li>Application of eye ointment</li> <li>Cutting of eye lashes</li> <li>Application of eye patch</li> </ul> <b>Medical management</b> <b>Surgical management</b> <b>Nursing management</b>	<ul style="list-style-type: none"> <li>Inflammatory and infective conditions</li> <li>Refractive errors</li> <li>Retinal detachment</li> <li>Cataract</li> <li>Glaucoma</li> <li>Squint</li> <li>Eye injuries</li> </ul>	<ul style="list-style-type: none"> <li>Miotic drops</li> <li>Mydriatic drops</li> <li>Cycloplegic drops</li> <li>Local anaesthetics</li> <li>Topical anti-infective agents</li> <li>Topical non-steroidal anti-inflammatory agents</li> <li>Topical corticosteroids</li> </ul>
<b>10. Oto-rhino-laryngological</b>	<b>Imaging examination</b> <ul style="list-style-type: none"> <li>Plain X-ray</li> <li>Scanning</li> </ul> <b>Endoscopic examinations</b> <b>Hearing tests</b> <b>Balance tests</b> <b>Laboratory tests</b> <b>Biopsy</b> <b>Examination of the ear/ nose/ throat</b>	<b>Procedures</b> <ul style="list-style-type: none"> <li>Irrigation of ear / nose</li> <li>Instillation of ear/ nose drops</li> <li>Antral puncture and washout</li> <li>Nasal packing</li> <li>Spraying of throat</li> <li>Ear syringing</li> </ul> <b>Radiotherapy</b> <b>Medical management</b> <b>Surgical management</b> <b>Nursing management</b>	<b>Ear disorders</b> <ul style="list-style-type: none"> <li>Inflammatory and infective disorders</li> <li>Foreign bodies</li> <li>Injuries</li> <li>Neoplasms</li> <li>Hearing impairment</li> <li>Menniere's disease</li> </ul> <b>Nasal disorder</b> <ul style="list-style-type: none"> <li>Inflammatory and infective disorders</li> <li>Foreign bodies</li> <li>Injuries</li> <li>Neoplasms</li> <li>Epistaxis</li> <li>Sinusitis</li> </ul> <b>Throat conditions</b> <ul style="list-style-type: none"> <li>Foreign bodies</li> <li>Inflammation</li> <li>Neoplasms</li> </ul>	<ul style="list-style-type: none"> <li>Analgesics and anaesthetic agents</li> <li>Anti-inflammatory agents</li> <li>Anti-infective agents</li> <li>Corticosteroids</li> <li>Wax softeners</li> <li>Nasal decongestanants</li> </ul>

Body systems	Special investigations	Therapeutic measures	Common disorders	Contemporary therapeutic agents & nursing implications
<b>11. Reproductive</b>	<b>Imaging examinations</b> <ul style="list-style-type: none"> <li>● Plain X-ray</li> <li>● Magnetic resonance imaging</li> <li>● Mammography</li> <li>● Ultrasonography</li> </ul> <b>Endoscopic examinations</b> <b>Laboratory tests</b> <ul style="list-style-type: none"> <li>● Blood tests</li> </ul> <b>Biopsy and smears</b>	<b>Procedures</b> <ul style="list-style-type: none"> <li>● Vaginal douching</li> <li>● Vaginal packing and removal</li> <li>● Vaginal pessaries</li> </ul> <b>Medical management</b> <b>Surgical management</b> <b>Nursing management</b>	<b>Congenital conditions</b> <b>Physiological disorders</b> <ul style="list-style-type: none"> <li>● Menstrual disorders</li> <li>● Displacement of uterus and vagina</li> <li>● Infertility and subfertility</li> <li>● Endometriosis</li> </ul> <b>Inflammatory and infective conditions:</b> <ul style="list-style-type: none"> <li>● Vulvitis</li> <li>● Vaginitis</li> <li>● Pelvic infection</li> <li>● Mastitis</li> </ul> <b>Abnormal pregnancy:</b> <ul style="list-style-type: none"> <li>● Abortion</li> <li>● Ectopic pregnancy</li> <li>● Molar pregnancy</li> </ul> <b>Neoplasm</b> Vulva, cervix, uterus, ovary and breasts	<ul style="list-style-type: none"> <li>● Anti-infective agents</li> <li>● Anti-inflammatory agents</li> <li>● Hormonal agents</li> </ul>
<b>12. Respiratory</b>	<b>Imaging examinations</b> <ul style="list-style-type: none"> <li>● Plain X-ray</li> <li>● Scanning</li> </ul> <b>Endoscopic examinations</b> <ul style="list-style-type: none"> <li>● Bronchoscopy</li> </ul> <b>Biopsy</b> <b>Laboratory tests</b> <b>Blood tests</b> <b>Thoracentesis</b> <b>Others</b> <ul style="list-style-type: none"> <li>● Pulmonary function tests</li> <li>● Allergy tests</li> </ul>	<b>Procedures</b> <ul style="list-style-type: none"> <li>● Oxygen therapy</li> <li>● Nebulization</li> <li>● Under-water seal chest drainage</li> <li>● Mechanical ventilation</li> </ul> <b>Tracheostomy</b> <b>Physiotherapy</b> <b>Medical management</b> <b>Surgical management</b> <b>Nursing management</b>	<b>Inflammatory and infective conditions</b> <ul style="list-style-type: none"> <li>● Pulmonary tuberculosis</li> <li>● Pneumonia</li> <li>● Upper respiratory tract infection</li> <li>● Severe acute respiratory syndrome (SARS)</li> </ul> <b>Chronic obstructive pulmonary diseases</b> <b>Asthma</b> <b>Trauma and injury</b> <b>Neoplasms</b> <b>Occupational lung diseases</b> <b>Respiratory failure</b>	<ul style="list-style-type: none"> <li>● Cough suppressants</li> <li>● Expectorants</li> <li>● Mucolytics</li> <li>● Decongestants</li> <li>● Anti-infective agents</li> <li>● Anti-allergic agents</li> <li>● Bronchodilators</li> <li>● Corticosteroids</li> </ul>

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