

REGULATIONS FOR THE DEGREE OF MASTER OF NURSING (MNurs)

These regulations apply to candidates admitted to the Master of Nursing in the academic year 2019-20 and thereafter.

(See also General Regulations and Regulations for Taught Postgraduate Curricula)

N.30 Definition

The degree of Master of Nursing (MNurs) is a postgraduate degree awarded for the satisfactory completion of the curriculum of one academic year of full-time study or two academic years of part-time study or equivalent in the School of Nursing, Li Ka Shing Faculty of Medicine.

N.31 Admission requirements

To be eligible for admission to the curriculum leading to the degree of Master of Nursing, candidates shall:

- (a) comply with the General Regulations; and
 - (b) comply with the Regulations for Taught Postgraduate Curricula; and
 - (c) be a Registered Nurse holding a Bachelor's degree in nursing from this University, or from another university, or comparable institution accepted for this purpose; and
 - (d) satisfy the examiners in a qualifying examination if required.
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N.32 Qualifying examination

- (a) A qualifying examination may be set to test candidates' formal academic ability or their ability to follow the courses of study prescribed. It shall consist of one or more written papers or their equivalent and may include a project report; and
 - (b) Candidates who are required to satisfy the examiners in a qualifying examination shall not be permitted to register until they have satisfied the examiners in the examination.
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N.33 Award of degree

To be eligible for the award of the degree of Master of Nursing, candidates shall:

- (a) comply with the General Regulations and the Regulations for Taught Postgraduate Curricula; and
- (b) complete the curriculum and satisfy the examiners in accordance with the regulations set out below.

A candidate may choose to exit the curriculum after having successfully completed a minimum of 60 credits of the core and elective courses and be considered for the award of a Postgraduate Diploma in Nursing (PDipNurs). Holders of PDipNurs shall not be re-admitted to the Master of Nursing curriculum.

Advanced standing may be granted to a candidate who has successfully completed equivalent courses within this University or at another comparable institution, subject to the following conditions:

- (a) such course(s) should be completed no more than 5 years prior to the candidate's commencement of the Master of Nursing curriculum; and
- (b) such course(s) should be appropriate for the Master of Nursing track the candidate has applied for; and

- (c) advanced standing for up to 12 credits may be granted; and
- (d) all applications are considered on a case-by-case basis by the Board of Studies and shall be approved by the Board of the Faculty.

Application for advanced standing shall normally be made prior to the candidate's admission to the curriculum. Academic transcript and relevant course syllabus should be submitted.

N.34 Period of study

The curriculum shall normally extend over one academic year of full-time study or two academic years of part-time study. Candidates shall not be permitted to extend their studies beyond the maximum period of registration of two academic years of full-time studies or four academic years of part-time studies, unless otherwise permitted or required by the Board of the Faculty.

N.35 Completion of curriculum

- (a) To complete the curriculum, candidates shall:
 - (i) satisfy the requirements prescribed in TPG 6 of the Regulations for Taught Postgraduate Curricula; and
 - (ii) take not less than 69 credits in the manner specified in these regulations and the syllabuses, and follow the instructions in the syllabuses prescribed for the courses and complete satisfactorily all required written, practical or clinical work;
 - (iii) satisfy the examiners in the courses by continuous assessments and/or written examinations; and
 - (iv) complete and present a satisfactory dissertation on an approved project and may be required to present for an oral examination.
 - (b) Candidates who fail to fulfil the requirements within the prescribed maximum period of registration shall be recommended for discontinuation under the provision of General Regulation G12.
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N.36 Course selection

Selection of study patterns shall be made in consultation with the candidate's Academic Advisor and subject to the approval of the Board of Studies.

N.37 Assessment

- (a) Candidates who have failed to satisfy the examiners in a course may be permitted:
 - i) to attend a re-examination; or
 - ii) to re-take the prescribed assessment(s) without having to repeat the course; or
 - iii) to repeat the course and to re-take the prescribed assessment(s)/examination(s); or
 - iv) for elective courses, to enroll in an alternative course in lieu and to take the prescribed assessment(s)/examination(s).
- (b) Candidates who have failed to present a satisfactory dissertation may be permitted to revise the dissertation and to re-present it within a specified period of time.
- (c) Candidates who are not permitted to present themselves for re-examination in any courses(s) or to re-submit a dissertation shall be recommended for discontinuation of studies under General Regulation G12, or may be required to exit the curriculum by the Faculty Board, on recommendation of the Board of Examiners, with an award of Postgraduate Diploma in accordance with N.33.

N.38 Publication based on work approved

Any publication based on work approved for a higher degree should contain a reference to the effect that the work was submitted to The University of Hong Kong for the award of the degree.

N.39 Grading system

- (a) Individual courses (except dissertation) will be graded according to the following grade point system:

Grade		Standard	Grade Point
A+	}	Excellent	4.3
A			4.0
A-			3.7
B+	}	Good	3.3
B			3.0
B-			2.7
C+	}	Satisfactory	2.3
C			2.0
C-			1.7
D+	}	Pass	1.3
D			1.0
F		Fail	0

- (b) Dissertation will be graded according to the “Pass” and “Fail” grading system.

SYLLABUS FOR THE DEGREE OF MASTER OF NURSING (MNurs)

The Master of Nursing curriculum consists of 3 compulsory core courses (18 credits), 3 track core courses (18 credits), 3 elective courses (18 credits) and a capstone experience which includes a Translational Nursing Research course (6 credits) and a Dissertation or Clinical Research Project (for Paediatric Nursing Track and Perfusion Science Track only) (9 credits), making a total of 69 credits. The assessment is based on a combination of practical examinations/tests (0 – 60%) and continuous assessments (40 – 100%). Candidates are also required to submit a dissertation or a clinical research project to the satisfaction of the examiner(s).

CORE COURSES

Students are required to take the below three compulsory core courses (18 credits):

NURS7101	Philosophy & Science of Nursing
NURS7102	Research Methods for Health Professionals
NURS7103	Health Maintenance and Promotion

In addition to the compulsory core courses, students are required to take three track core courses (18 credits) in one of the below tracks:

Students taking the Health Care Management and Leadership track are required to take the following track core courses: (18 credits)

NURS8249	Human Resources and Information Management
NURS8247	Managing Change & Innovation and Nursing Leadership
NURS8248	Operations Management and Quality & Safety

Students taking the Gerontology Nursing track are required to take the following track core courses: (18 credits)

NURS8252	Clinical Gerontology
NURS8253	Psycho-Geriatric Care
NURS8254	Advanced Management in Elder Care

Students taking the Community and Public Health Nursing track are required to take any three of the following track core courses: (18 credits)

NURS8210	Comparative Health Systems
NURS7106	Epidemiology and Critical Appraisal
NURS8102	Health Care Systems and Policy
NURS8207	Advanced Practice in Public Health Nursing: Assessment of Aggregate Need

Students taking the Paediatric Nursing track are required to take the following track core courses: (18 credits)

NURS8256	Advanced Health Assessment in Paediatrics
NURS8257	Contemporary Issues in Child Health
NURS8258	Advanced Practice Nursing Roles in Paediatrics

Students taking the Infection Control Nursing track are required to take the following track core courses: (18 credits)

NURS8225	Foundation of Infection Control
NURS8226	Infection Control in Practice
NURS8227	Future Challenge of Infection Control

Students taking the Advanced Surgical Nursing track are required to take the following track core courses: (18 credits)

NURS8231	Managing Clients with Complex Surgical and Health Problems
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- NURS8232 Therapeutic Nurse-client Relationships in Advanced Surgical Nursing
NURS8233 Advanced Practice Nursing Roles in Surgical Nursing

Students taking the Critical Care Nursing track are required to take the following track core courses: (18 credits)

- NURS8237 Managing Clients with Complex Critical Care Problems
NURS8238 Therapeutic Nurse-client Relationships in Critical Care
NURS8239 Advanced Practice Nursing Roles in Critical Care

Students taking the Perfusion Science track are required to take the following track core courses: (18 credits)

- NURS8259 Foundation of Perfusion Science
NURS8260 Perfusion Technology and Techniques
NURS8261 Clinical Application of Adult Perfusion

Syllabuses are as follows:

NURS8256 Advanced Health Assessment in Paediatrics (6 credits)

Topics include Anatomic and physiologic characteristics of infants and children, Apply a structured framework to guide health assessment, Communication strategies in obtaining history from children and their families, Growth and development - from perinatal to young people; Specialty assessment skills of body systems, Psychosocial assessment and youth mental health assessment, and Family assessment.

NURS8254 Advanced Management in Elder Care (6 credits)

Topics include Services in Social and Health Care Sectors; Advanced Care Management Models; Geriatric Rehabilitation; Evidence-based Practice & Research Methodology; and Measurement in Health Outcomes.

NURS8207 Advanced Practice in Public Health Nursing: Assessment of Aggregate Need (6 credits)

Public health nursing practice within the primary health care model. Analysis of the Hong Kong health care system and its relationship to public health nursing practice. Analysis of the theoretical and empirical basis for public health nursing practice. In depth study of a target group of interest (i.e., adolescents, elderly or a geographical community) including analysis of empirical data on health indices, in-depth assessment of risks to health, identification of health needs, effective nursing practice interventions, resources available in the community, etc.

NURS8239 Advanced Practice Nursing Roles in Critical Care (6 credits)

Topics include, in relation to the chosen critical care sub-specialties (e.g., general medicine, trauma, emergency medicine, intensive care, coronary care), advanced practice nursing roles including role ambiguity and transition, negotiating, actualizing and implementing the advanced practice roles of teacher, researcher, advocate, clinician, consultant, collaborator, and manager of systems.

NURS8258 Advanced Practice Nursing Roles in Paediatrics (6 credits)

Topics include, in relation to the chosen sub-specialties in Paediatrics (e.g. children with medical complexity, congenital heart diseases, rare and genetic diseases etc.), advanced practice nursing roles including care coordination, relationship-based and family-centered care, advanced nursing intervention for different diseases (e.g. haematological, oncological, cardiothoracic, intestinal failure, illness associated with immune system, genetic, neurometabolic and rare diseases etc.), clinical reasoning in advanced nursing practice, evidence-based practice in paediatric nursing, ethical, legal and moral dilemmas associated with paediatric care.

NURS8233 Advanced Practice Nursing Roles in Surgical Nursing (6 credits)

Topics include, in relation to the chosen surgical sub-specialties (e.g., general surgery, gastrointestinal surgery, urological surgery, plastic surgery, anaesthesiology), advanced practice nursing roles including role ambiguity and transition, negotiating, actualizing and implementing the advanced practice roles of teacher, researcher, advocate, clinician, consultant, collaborator, and manager of systems.

NURS8261 Clinical Application of Adult Perfusion (6 credits)

The course enables students to understand the application of cardiopulmonary bypass in adult cardiac surgery. Topics include pre- and post-operative care of patients; Coronary artery surgery; Valvular surgery; Aortic surgery and other cardiac surgery.

NURS8252 Clinical Gerontology (6 credits)

Topics include Comprehensive Health Assessment for older adults; Common Age-related Diseases; Common Symptoms; Patient Safety – Fall & Medication Safety; End-of-Life Care; and Legal and Ethical Issues.

NURS8210 Comparative Health Systems (6 credits)

Aging, nursing, and medicine in Hong Kong, Public health and aging – US and HK comparison, Elder care delivery, Deconstructing health care systems, financing, care delivery and outcomes, Traditional Chinese Medicine and Allopathic integration.

NURS8257 Contemporary Issues in Child Health (6 credits)

Topics include Overview of child health, Child protection and safety, Health promotion and health maintenance, Disorders of growth and puberty, Genetic and Genomic influences, Mental health and psychological issues in children.

NURS7106 Epidemiology and Critical Appraisal (6 credits)

Topics include critical appraisal, meta-analysis and causality; descriptive epidemiology: person, place and time; epidemiology: definitions, uses, concepts of health, disease and risk factors; measurements: rates, proportions, variation, validity and reliability; screening, prevention and evaluation; sources of information and vital statistics; study designs in epidemiology.

NURS8225 Foundation of Infection Control (6 credits)

Topics include General concept of microbes; Infectious disease - interaction between human and microbes; Concept of epidemiology; Practical difficulties in differentiating community or hospital acquired infection; Scientific basis of hand hygiene; Statistical methods for infection control; Surveillance for hospital acquired infection; Proper wearing of personal protection equipment; Medically important gram positive organisms; Clinical significance of MRSA; Vancomycin resistant enterococci in Hong Kong; Medically important gram negative organisms; ESBL producing organisms; Standard precaution in practice; Environmental hygiene and infection control; Contact precaution in action; Emergence of hypervirulent clone of Clostridium difficile; Proper care of patient with diarrhea.

NURS8259 Foundation of Perfusion Science (6 credits)

Topics include History of Cardiopulmonary bypass; Bypass circuitry design; Membrane oxygenator; Blood pumps; Filter and bubble traps; Heat exchanger; Ultrafiltration and dialysis; Sterilisation; Blood conservation; Physics and chemistry law application in perfusion; Monitoring of biological systems; Electrical safety; and Cardiac packing and defibrillation.

NURS8227 Future Challenge of Infection Control (6 credits)

Topics include Air ventilation system: from general ward to operating theatre; Air sampling: why, when, which? Natural ventilation: old building is better than the new? General principle of sterilization and disinfection; Central Sterile Supply Department (CSSD); Can we prevent nosocomial transmission of vCJD? Concept of medical waste; Laundry and catering service in hospital; Tour in catering service; Happy meal & safe medication; Infection control in custodial; Threatening spread of CA-MRSA in the future; Enhanced infection control measure for nosocomial acquisition of CA-MRSA; A losing battle against ESBL producing organisms; Antimicrobial stewardship programme; Benchmarking of infection control - as a key performance indicator; Emerging of XDR-TB: moving into pre-antibiotic era; Risk of acquisition of tuberculosis in a HCW; Hospital renovation and fungal infection; Seasonal and pandemic influenza; Vaccination of health care worker - any protection against avian influenza; Needle stick injury & postexposure management; How to run an ICT with shortage of manpower; An infection control meeting with HCE.

NURS8102 Health Care Systems and Policy (6 credits)

Topics include abnormal economics in the health sector; central planning and internal markets (UK); economic analysis and major issues in health policy; managed competition and managed care (US); mandated insurance system with global budget (Germany); medical savings accounts (Singapore); social insurance system with global budget (Canada); system structure for the health sector; transformation of market structure and competition (HK).

NURS7103 Health Maintenance and Promotion (6 credits)

Topics include community diversity, demography, and epidemiology; theories/models of health promotion; needs assessment; health promotion intervention and evaluation for individuals, families, communities; ethical dilemmas in practice.

NURS8249 Human Resources and Information Management (6 credits)

Topics include role, function and trend of human resources; manpower planning, law and practice relating to employment, recruitment and selection, performance management, training and

development, develop and implement information management policy, management of information resources, processes of organization and analysis of data, manage information system evaluation tools.

NURS8226 Infection Control in Practice (6 credits)

Topics include Standard precaution and airborne isolation; Isolation facilities; SARS & avian influenza; Infection control in dialysis centre; Screening of viral hepatitis status for patient and staff in renal unit; Infection control in endoscopy room; How to clean an endoscope; Infection control in bone marrow transplant centre; Infection control in critical care medicine; Monitoring of device related infection in ICU; Infection control in the long term care facilities; Droplet precaution in action; Collection of high risk clinical samples; Nosocomial bacteremia; Prevention of catheter associated bloodstream infection - a bundle of infection control; How to conduct a surveillance programme for long term intravenous catheter; Nosocomial urinary tract infection; Caring of foley catheter; Surgical site infections; Proper care of surgical wound; Nosocomial diarrhea - how far should we investigate; Nosocomial pneumonia - over diagnosis in the elderly; Caring of ventilator and tracheotomy; What did we learn from SARS; Infections due to infusion therapy; How safe is our blood product? Prevention of antibiotic allergy - a critical role of nursing staff.

NURS8247 Managing Change & Innovation and Nursing Leadership (6 credits)

Topics include leader's role in managing change, important elements in promoting creativity and innovation, skills in improving motivation, develop leadership in health care, leading through people, motivate self, motivate people and skills in coaching.

NURS8237 Managing Clients with Complex Critical Care Problems (6 credits)

Topics include, in relation to the chosen critical care sub-specialties (e.g., general medicine, trauma, emergency medicine, intensive care, coronary care), management of complete episode of care independently and interdependently with the multidisciplinary health care team, including assessment and diagnosis of complex and/or unstable health problems, planning and implementation of therapeutic interventions, monitoring client's health status, and evaluation of outcomes.

NURS8231 Managing Clients with Complex Surgical and Health Problems (6 credits)

Topics include, in relation to the chosen surgical sub-specialties (e.g., general surgery, gastrointestinal surgery, urological surgery, plastic surgery, anaesthesiology), management of complete episode of care independently and interdependently with the multidisciplinary health care team, including assessment and diagnosis of complex and/or unstable health problems, planning and implementation of therapeutic interventions, monitoring client's health status, and evaluation of outcomes.

NURS8248 Operations Management and Quality & Safety (6 credits)

Topics include qualitative approach on decision making, project management and scheduling, service planning and commissioning, crisis management, better client relationship, overview on health care quality, relations between patient safety, risk and quality, human factors framework, complaint management, strategies for quality and safety improvement, impact of hospital accreditation.

NURS8260 Perfusion Technology and Techniques (6 credits)

Topics include Perfusion equipment (hardware & disposable); Safety processes in perfusion; Myocardial protection techniques; Monitoring devices; Hemodilution and priming; Methods of recording perfusion and Management of equipment / device failures.

NURS7101 Philosophy & Science of Nursing (6 credits)

Topics include history and philosophy of science; logical reasoning; theory development, analysis, and evaluation; nursing theory development; feminist critical theory, cultural theory.

NURS8253 Psycho-Geriatric Care (6 credits)

Topics include Dementia; Delirium; Depression; Suicide; and Mental Health Problems.

NURS7102 Research Methods for Health Professionals (6 credits)

Topics includes philosophic dimensions and processes of quantitative and qualitative research; research design; research control; sampling designs; data collection methods; reliability and validity in quantitative and qualitative research; triangulation.

NURS8232 Therapeutic Nurse-client Relationships in Advanced Surgical Nursing (6 credits)

Topics include, in relation to the chosen surgical sub-specialties (e.g., general surgery, gastrointestinal surgery, urological surgery, plastic surgery, anaesthesiology), therapeutic interaction to effect client's change in health behaviour, guidance and counseling regarding symptom management, emotional and informational support to clients and their families, self-efficacy and empowerment in promoting behaviour change, reflective practice, appropriate use of empathy in dealing with overwhelming emotion and/or grief.

NURS8238 Therapeutics Nurse-client Relationships in Critical Care (6 credits)

Topics include, in relation to the chosen critical care sub-specialties (e.g., general medicine, trauma, emergency medicine, intensive care, coronary care), therapeutic interaction to effect client's change in health behaviour, guidance and counseling regarding symptom management, emotional and informational support to clients and their families, self-efficacy and empowerment in promoting behaviour change, reflective practice, appropriate use of empathy in dealing with overwhelming emotion and/or grief.

ELECTIVE COURSES

Students are required to take three elective courses (18 credits). They may choose from the core courses reserved for the other tracks; or select from the list of elective courses. Elective courses are offered subject to availability and minimum student number. Syllabuses are as follows:

NURS8228 Administration and Responsibility of the Infection Control Team (6 credits)

Topics include Unit set-up and organizational structure of infection control team; Roles of the Infection Control Committee, officer and nurse; Overview of surveillance programme; Management of sharps injury/exposure incidences.

NURS8206 Advanced Data Analysis and Management (6 credits)

Descriptive and inferential statistics; advanced statistical procedures; content/textual analysis, analytic induction, hermeneutic analysis, constant comparison, phenomenological analysis; SPSS, NUD.IST, ethnograph.

NURS7105 Advanced Health Assessment (6 credits)

Topics include interview and health history; assessment of growth and development; physical assessment techniques; general survey; assessment across the life span; family, culture and environmental assessment; community assessment; application of the principles and practice of advanced health assessment to student's own specialty.

NURS8244 Advanced Nursing Practice in Anaesthesiology (6 credits)

Topics include principles of anaesthesia, assessment of pain, pharmacological principles and mechanisms of anaesthesiology, advanced nursing role in anaesthetic nursing and collaborative care for patients who are preparing for anaesthetic, undergoing anaesthetic, and recovering from anaesthetic.

NURS8214 Advanced Practice in Infectious Disease Management (6 credits)

Role of advanced practice nurses in the management, control and prevention of infectious diseases in hospitals and the community; infectious diseases update; emerging infectious; evidence-based practice in infectious disease management; investigation of outbreaks.

NURS7204 Advanced Practice Roles (6 credits)

Topics include history of advanced practice nursing; roles of advanced practitioners; power, legal and ethical issues; scope and standards; credentialing and certification.

NURS8218 Analysing Qualitative Data (6 credits)

Topics include typology of qualitative analysis techniques; methods of analysing words or phrases including techniques for systematic elicitation and analysing data for cultural domains; methods of analysing texts including tasks associated with and major traditions of coding; tactics for generating meaning; tactics for testing or confirming findings; ethical issues in analysis; software tools for qualitative data analysis.

NURS8262 Anatomy and Physiology in Cardiovascular Perfusion (6 credits)

Topics include CNS, kidney, respiratory, hepatobiliary, gastrointestinal, heart, aorta & peripheral vascular; haematological, endocrine and immune systems; fluid & electrolyte, coagulation & haemolysis, haemodynamic & fluid dialysis in MCS/Pump; anatomy of CP bypass, MCS/ECMO; clinical imaging of CP and other systems.

NURS8208 Challenges in Mental Health: The Caring Perspective (6 credits)

Ideologies in mental health. Caring and being care for interprofessional relationship. Towards collaborative caring. Power and the therapeutic process. Coercion and control. Autonomy in mental health. Service planning in mental health. Mental health nurse as an advanced practitioner. Working with mentally retarded clients. Working with aged clients. Working with the families.

NURS6015 Chronic Disease Prevention and Management (6 credits)

Topics include ways in which nurses can manage commonly occurring diseases in primary care settings; discussion of clinical practices including ways to prevent disease, screening for the presence of disease, making referrals as needed to provide early intervention if the disease is present in general outpatient clinics for diseases for cardiovascular, endocrine, Gastrointestinal, Neurological, Respiratory, Musculoskeletal and wound management; mobility and activities of daily living: adaptive devices and other resources; psychosocial health concerns: depression, anxiety, psychosomatic disease; counseling for patients related to diet for diseases such as hypertension, diabetes mellitus, heart disease, weight control, gout, and other health conditions requiring dietary modification; identification of problems often encountered in the home care setting.

NURS8240 Clinical & Professional Leadership (6 credits)

Topics include coordinating human and environmental resources necessary to manage rapidly changing situations, leading hospital/community health education and promotional activities, empowering staff to assume increasing responsibilities for complicated client care, leadership in the interdisciplinary team, effective leadership skills, and exerting influence in a group.

NURS8209 Clinical Decision Making in Nursing (6 credits)

Theory and processes of clinical decision making. Decision analysis and decision tree. Nursing clinical judgment. Problem solving in clinical practice. Clinical guidelines. Current research on clinical decision making. Factors impacting on clinical decision making. Principles for making difficult decisions in difficult times. Assessing and self-monitoring of clinical decision making. Developing differential diagnoses.

NURS8201 Concepts and Application of Chinese Medicine (6 credits)

Topics include philosophical foundations of Chinese medicine; history and development of Chinese medicine; drug absorption, distribution, transformation and elimination of related Chinese medicine; current research in Chinese herbal medicine; application of Chinese medicine in nursing.

PHYO6200 Concepts of Human Physiology (6 credits)

Topics include brain and behaviour; general principles of endocrine physiology; homeostasis and concept of control system; motor co-ordination; nutrition and energy balance; physiological signals; respiratory physiology; sensation and perception; the heart and the circulatory system; the internal environment and regulation of body fluid.

NURS8211 Contemporary Patient Education: Theory, Research and Practice (6 credits)

Philosophy of patient education. Theories and models for patient teaching. Integration of cultural systems and beliefs. Learning needs assessment. Planning patient education. Educational interventions for patients and families. Evaluating patient outcomes for individuals and groups. Issues in patient and family education. Research in patient education.

NURS7205 Curriculum Development (6 credits)

Topics include curriculum development history and concepts, approaches to curriculum development, contemporary designs for curriculum development, strategic planning in education, collecting and assessing data for curriculum development, philosophical basis for content determination, content decision, setting criteria, goals and objectives for curriculum, approaches, techniques and strategies for establishing curriculum content and materials, strategies for teaching groups and individuals, project programme cost, planning for assessment, framework and instruments for assessment, curriculum evaluation, maintenance and enhancement.

NURS8219 Designing and Conducting Health Surveys (6 credits)

Topics include survey objectives, defining survey variables, methods of data collection, sampling, question design and response format, questionnaire design and format, preparation for data analysis and carrying out the survey.

CMED8201 Evaluation of Health Programmes and Health Economics (6 credits)

Topics include analysing quantitative and qualitative data; cost effectiveness and cost benefit evaluation; critical appraisal exercise and tutorial; designing questionnaires, experimental and quasi-experimental designs; economic evaluation and analyzing costs; framing objectives, quantitative and qualitative approaches to evaluation; measuring outcomes, survey methods; principal types of evaluation, including economic evaluation; sampling, validity and reliability.

NURS8220 Evidence Based Practice (6 credits)

Topics include integration of the research evidence, clinical expertise and patient preference, evidence based decision, promotion of clinically effective care, patient outcomes and evidence based practice.

NURS7203 Family Nursing (6 credits)

A systemic belief approach to families experiencing health problems. How health care professionals can explore with the family their meaning of health. How the family maintains health and negotiates changes in family functioning as a result of a health problem. Assessment and intervention strategies derived from family therapy, cybernetics and nursing theory.

NURS8202 Gerontology for Advanced Practice (6 credits)

Topics include gerontology as a specialty, evaluate theories of ageing, research methods appropriate for Gerontological Studies, health promotion and disease prevention for older adults, and aspects of ageing, related nursing theories, family theories, family and community attitudes, personal and cultural influences, hospice movement, and end of life issues and concerns.

PAED6905 Growth and Nutrition (6 credits)

Topics include growth and nutrition in Hong Kong children, nutritional requirements in childhood and adolescence and recommendations on healthy eating, breast feeding, nutritional additives and special formulas, food allergy, recurrent abdominal pain and peptic ulcer disease, chronic diarrhea and malabsorption, diabetes mellitus, obesity, malabsorption, inherited metabolic disease, practical approach to growth assessment, clinical spectrum of growth disorders, normal puberty, precocious puberty, delayed puberty, menstrual disorders, diabetes in childhood and adolescence, childhood obesity and type 2 diabetes, psychological sequelae of disorders of growth and puberty, long-term consequence of growth retardation in early life.

NURS8241 Health Care Delivery (6 credits)

Topics include safety, cost, acceptability, efficacy and cost-effectiveness of diagnostic/therapeutic interventions and regimens, implementation of evidenced-based practice and facilitating changes using evidence and rationale achieving optimal outcomes, resources planning, achievement indicators, monitoring mechanism to service development plan.

NURS8221 Health Care for Survivors of Family Violence (6 credits)

Family violence is the focus of this course. Topics include child abuse, intimate partner violence, abuse of the elderly, care to survivors of family violence, issues and interventions specific to abused children, abused partners and abused elderly, health care research, clinical, policy and education applications, strategies for prevention of family violence, early identification and policy reformation.

NURS8251 Health Economics and Application (6 credits)

Topics include health economics, financial management, budget control, financial performance reporting, service planning and manpower costing.

NURS6004 Health Policy for Advocacy in Health Care (6 credits)

This course introduces students to health policy issues in the clinical practice, research and teaching environments as well as to translate nursing practice issues to policy issues. The focus is on providing students with the knowledge and skills to identify new health policy issues, critically analyse laws, regulations and policies at institutional and higher levels, and utilise research findings to examine policy questions. Assessment will be based on continuous assessment and coursework.

NURS8203 Health Services Planning (6 credits)

Topics include theories and approaches to strategic planning, strategic planning model, mission formulation, roles of staff planner and consultant, environmental scanning, implementation consideration, performance audit, gap analysis, contingency planning, action planning, concepts of planning, implementation of plan, monitoring, evaluation, and accountability in planning, planning, developing and evaluating grant proposals.

NURS8255 Healthy Ageing (6 credits)

Topics include Theories of Ageing & Age-related Changes; Ageism and Elder Abuse; Successful Ageing; Quality of Life; and Promotion of Healthy Ageing.

NURS8230 Infection Control and Hospital Infrastructure (6 credits)

Topics include Construction and Renovation Risk Assessment; Ventilation requirements; Decontamination; A Safe Water Supply.

NURS8229 Infection Control in Special Care Unit (6 credits)

Topics include Hand Hygiene; Standard and Transmission Based Precautions; Safe disposal of Waste and Sharps; Control and surveillance of infection in Intensive Care Unit; Renal dialysis Centre; Haematology and Bone Marrow Transplant Centre.

NURS8204 Instructional Design for Health Professionals (6 credits)

Topics include learning theory, instructional theory and psychoeducational design; teaching/learning strategies; designing instructional systems for Chinese learners; models for relating research, development and practice.

NURS7201 Legal and Ethical Issues in Nursing (6 credits)

Topics include relationship between health and morality; ethical theories, principles and rules; the legal system of the Hong Kong SAR; regulation of the nursing profession in Hong Kong; personal and professional beliefs, attitudes and value systems; paradigm cases that influence ethical decision making; models of ethical decision making; use of the nursing process in ethical decision making; obstacles to moral reasoning and ethical practice; strategies which facilitate the development of moral reasoning and ethical practice.

NURS8245 Managing Emergencies in Critical Care (6 credits)

Topics include advanced trauma management, collaborative care in managing emergencies in critical care, respiratory and airway emergencies, surgical cardiothoracic emergencies, poisoning, obstetric emergencies and paediatric emergencies.

NURS8212 Mentoring for Health Care Professionals (6 credits)

Concept and context of mentoring. Mentoring in the healthcare context. Health care professionals as mentors and mentees. Benefits of mentoring and enhancing strategies. Pitfalls and how to avoid. Process of effective mentoring. Developing guidelines and strategies for mentoring. Mentor-mentee relationship. Working with mentees as adult learners. Developing a mentoring programme in health care. Anticipating problems with implementing and maintaining a mentoring programme. An evaluation of mentoring in action.

NURS6003 Naturalistic and Interpretive Approaches to Nursing Research (6 credits)

This course is designed to introduce a sample of naturalistic and interpretive approaches to the study of phenomena of interest in nursing science. The epistemological principles that underlie interpretive and

naturalistic research will be covered as well as techniques for data collection, data analysis, and control of systematic bias. Assessment will be based on continuous assessment and coursework.

NURS8250 Organizational Development and Global Trend (6 credits)

Topics include organizational dynamics and governance, strategic planning, health care issues and trends, global and local health care systems, and health policy and strategy.

PAED6901 Paediatric Infectious Diseases and Immunology (6 credits)

Topics include how to identify a sick child with fever, and rule out sepsis and meningitis, paediatric ID emergencies: croup, epiglottitis, necrotizing fasciitis and toxic shock, pneumonia and bronchiolitis, URTI, otitis media and sinusitis, gastroenteritis, UTI and pyelonephritis, prevention of nosocomial infections in primary care settings, management of allergic reactions in the office, a child with recurrent infections, is it primary immunodeficiency? A child with musculoskeletal pain, is it arthritis? Case scenarios of primary immunodeficiencies and childhood rheumatic diseases, vaccination not included in HK schedule-should or should not use? Disease burden of infectious diseases and vaccination, food allergy and food intolerance in children.

NURS8264 Paediatric Perfusion and Mechanical Circulation Support (6 credits)

Topics include CP bypass review; neonatal and CVP anatomy & physiology; paediatric CP bypass overview; myocardial protection in neonate & infants; CNS injury & protection strategies; neonatal & paediatric cardiac disease & surgeries; pulmonary disease & peripheral vascular disease in perfusion associated surgery; ECMO and other MCS for paediatric group.

NURS8265 Palliative Care Nursing (6 credits)

The course introduces students to the concept of palliative care, the holistic approach in managing patients and their families as a unit of care in facing incurable illness by multi-disciplinary team. The course will also provide students with knowledge on bereavement care and community resources in supporting patients and their family.

NURS7104 Pathophysiology (6 credits)

Topics include principles of pathophysiology, application in health evaluation, promotion and restoration; application of the principles and practice of advanced health assessment to student's own specialty.

NURS8263 Pharmacology and Pathology in Perfusion (6 credits)

The course enables students to understand the general pathologies of diseases and the pathologies caused by perfusion. Topics include disease pathologies of heart, vessel, lung, kidney, brain, gut; heart valve prosthesis; infection; hematology and blood transfusion; Pharmacology of drugs used in cardiopulmonary bypass and cardiac surgery.

NURS8101 Pharmacotherapeutics (6 credits)

Topics include drug receptors and pharmacodynamics; pharmacokinetics and pharmacodynamics; biotransformation; autonomic drugs; cardiovascular drugs; renal drugs; drugs affecting smooth muscle; drugs affecting the CNS; drug treatment of hematological disorders, inflammation and gout; endocrine drugs; chemotherapeutic drugs; toxicology; geriatric pharmacology; perinatal and pediatric pharmacology; dermatologic drugs; GI drugs; over the counter medications; antibiotics, vaccines, immune globulins; psychotropic medications; drug interactions; application of the principles and practice of advanced health assessment to student's own specialty.

PHAR6100 Principles of Drug Action (6 credits)

Topics include drug interactions; immunochemical basis of drug allergy; mechanism of drug resistance; molecular mechanisms of drug-receptor interaction; Pharmacogenetic basis of drug idiosyncrasy; the adverse effects of drugs and the mechanisms responsible; the development of drug tolerance and physical dependence; the fate of drugs in the body their absorption, distribution, excretion and metabolism; the theoretical basis of dose-response relations.

NURS8223 Randomized Controlled Trials of Nursing Intervention (6 credits)

What is RCT; Randomisation; Assessment, Blinding and Placebos; Special designs; Protocol development; Sub-group and multiple outcomes; Data analysis.

NURS8246 Risk Calculation and Effective Communication in Genetic Counseling (6 credits)

The aim of this course is to equip the students with communication skills specific to the setting of genetic counseling. The course covers history taking, pedigree construction, risks communication, directives, non-directives and decision making and other modes of communication including written or printed materials, computer assisted aids, as well as analysis of videotapes of transcripts of consultations.

NURS8213 SARS and Advanced Practice Nursing (6 credits)

Epidemiological, clinical management and laboratory findings on Severe Acute Respiratory Syndrome (SARS), WHO Alert & Response Operations, local and global control strategies, Centers for Disease Control and Prevention (CDC), nursing diagnosis and management of patients with SARS, precautionary measures in hospitals, community and at home, post-discharge care of SARS patients, research relevant to SARS and SARS nursing, role of advanced practice nurse in comprehensive event management for SARS outbreak.

NURS8242 Quality Assurance Improvement (6 credits)

Topics include on-going processes of setting and revising guidelines, protocols, standards and contingency plan, tracking system for preventive services, monitoring peers, self and delivery system through Quality Assurance, Total Quality Management, Continuous Quality Improvement, managing complaints and monitoring malpractice, benchmarking care programmes with outcome measures, quality improvement strategies and clinical audits.

NURS6001 Scientific Progress in Nursing (6 credits)

Through directed readings and seminar discussions related to selected topical areas, students develop knowledge of the historical evolution of nursing research and the current state of science in nursing and other selected areas of research interest. Scientific breakthroughs in nursing between 1960-1999 are identified and characterized as to trans-disciplinary change in thinking. In addition to becoming acquainted with selected funded research programs conducted by members of the School of Nursing, the students also identify a topical area/s for their research and synthesize the literature relevant to their identified research topic/s and/or specific research questions, which will advance their progress toward the thesis. Assessment will be based on continuous assessment and coursework.

NURS8215 Special Topics in Public Health Nursing Practice (6 credits)

This course builds on those concepts covered in Advanced Practice in Public Health Nursing: Assessment of Aggregate Need and includes an in-depth examination of contemporary global and local health problems from a public health nursing perspective.

NURS8222 Statistical Practice in Health Sciences (6 credits)

Topics include important concepts in statistics, data management in SPSS, simple analysis, multiple analysis, significance testing and sample size calculation.

NURS8205 Tobacco Dependency Nursing Intervention and Management (6 credits)

Topics include the worldwide tobacco epidemic; the politics of tobacco control; the health consequences of active and passive smoking; tobacco control and prevention programmes in Hong Kong; nicotine dependence and addiction theory; benefits of smoking cessation; stages of readiness to change and its application to treatment; pharmacological interventions and the types and use of nicotine replacement therapy; brief and intensive behavioural interventions for smoking cessation; relapse prevention; motivational interviewing; and international smoking cessation clinical practice guidelines.

NURS8243 Women, Nursing and the Health Care System (6 credits)

Topics include acute health system in promoting the health of women, community-based care and community resources for women, Chinese medicine in promoting the health of women, sexuality and women's health, needs and health risks of women, nursing roles in promoting the health of women, health history interview and physical assessment of women and adolescent girls.

NURS7206 Women's Health Issues (6 credits)

Topics include gender & cultural issues; violence against women – battered women, sexual violence against women; sexual violence against women discussion.

CAPSTONE EXPERIENCE

The capstone experience consists of a course entitled "Translational Nursing Research" (6 credits) and a Dissertation/Clinical Research Project (9 credits). The capstone course is an advanced course which enables students to gain experience to marshal the skills to define a problem in nursing practice, initiate investigations, demonstrate an artifact that solves the problem, and present their work. The dissertation represents 9 credits of work and students will be provided an opportunity to conduct a scholarly activity that is relevant to nursing by using translational nursing research approach. Students taking Perfusion

Science track or Paediatric Nursing track may choose to complete either NURS7302 Dissertation or NURS7303/NURS7304 Clinical Research Project (Perfusion Science Track/Paediatric Nursing Track). Syllabuses are as follows:

NURS8224 Translational Nursing Research (6 credits)

Conducting an integrative review, including identification of a topic under research, data extraction, quality assessment, summary and synthesis of data. Assessing implementation potential. Developing evidence-based practice guidelines/protocols. Implementation plan and evaluating outcomes.

NURS7302 Dissertation (9 credits)

The purpose of dissertation is to provide students with an opportunity to conduct a scholarly activity that is relevant to nursing by using translational nursing research approach. Students are required to identify topics of evidence-based innovations, conduct critical appraisal of current evidence, assess potentials of implementation, formulate evidence-based protocols, and develop implementation and evaluation plans under the supervision of dissertation supervisors.

NURS7303 Clinical Research Project (Perfusion Science Track) (9 credits)

Students are required to complete the clinical practicum (case-observation and workshops) on topics of hands-on nursing skills and advanced procedures related to clinical practices, keep a clinical logbook under the supervision of project supervisor and submit a project report on reviewing evidence-based practice for advanced nursing practices.

NURS7304 Clinical Research Project (Paediatric Nursing Track) (9 credits)

Students are required to complete the clinical practicum (face-to-face mentorship, clinical observation and workshops) on topics of advanced clinical practice in paediatric nursing, keep a clinical logbook under the supervision of project supervisor and submit a project report on reviewing evidence-based practice for advanced nursing practices.
