

## **REGULATIONS FOR THE DEGREE OF MASTER OF NURSING (MNurs)**

*These regulations apply to candidates admitted to the Master of Nursing in the academic year 2021-22 and thereafter.*

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

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### **N30 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.

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### **N31 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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### **N32 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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### **N33 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.

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### **N34 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.

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### **N35 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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### **N36 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.

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### **N37 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.

**N38 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.

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**N39 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.
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## **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 Advanced Surgical Nursing Track, Critical Care Nursing Track, Gerontology Nursing Track, Health Care Management and Leadership Track, Paediatric Nursing Track and Perfusion Science Track) (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 Advanced Surgical Nursing track are required to take the following track core courses: (18 credits)

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

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

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

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

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

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 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 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:

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**NURS8256 Advanced Health Assessment in Paediatrics (6 credits)**

This course is designed to prepare students for advanced practice nursing role in the paediatrics specialty with a special focus on advanced health assessment in paediatrics. The course provides the theoretical and clinical foundation for advanced and comprehensive paediatric health assessment. Students will adopt structured frameworks to guide health assessment with age-appropriate techniques. Emphasis will be placed on the assessment of growth and development from perinatal to young people; physical assessment skills of body systems, youth mental health assessment and family assessment.

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**NURS8254 Advanced Management in Elder Care (6 credits)**

This course is designed to prepare students for advanced practice nursing roles in the specialty of gerontology nursing care with a special focus on the health and social care needs of geriatric patients with complex health problems. The course examines geriatric care models for health promotion, maintenance and restoration, and develop students' competence in advanced geriatric care management across the clinical and community settings.

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

This course is designed to prepare students for advanced practice nursing role in the community and public health specialty with a special focus on examining public health nursing practice within the primary health care framework using the public health problem-solving methodology. Students will analyze divergent public health problems and apply the framework to develop appropriate population-level initiatives to address the public-health problems. The course will also include analysis of public health policies, and analysis of the theoretical and empirical basis for public health practice.

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

This course is designed to prepare students for advanced practice nursing roles in the specialty of critical care with a special focus on professional and leadership role development, as well as developing skills

in using advanced technology for prevention, early detection, interventions and treatment of complications to facilitate recovery.

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**NURS8258      Advanced Practice Nursing Roles in Paediatrics (6 credits)**

This course is designed to prepare the students for assuming the advanced practice nursing roles in the specialty of paediatric nursing with a special focus on independent and leadership roles and competencies of an advanced practice nurse, as well as its impact on the paediatric nursing care, research and education. The course introduces a wide range of new initiatives in the capacity of advanced practice nursing in response to the increasing expectations and needs for quality patient care. The course content also focuses on developing the competencies of managerial skills in human resource and risk management with legal and ethical considerations as an integral part.

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

This course is designed to prepare students for advanced practice nursing roles in surgical nursing with a special focus on professional roles development such as patient educator and advocator, researcher, consultant, collaborator, and manager in the healthcare system. Provision of care independently and interdependently with the multidisciplinary health care team will also be discussed to promote high-quality and patient-centered care. Furthermore, implementing nurse-led services with resource and risk management for quality improvement in advanced surgical nursing will be elaborated.

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**NURS8261      Clinical Application of Adult Perfusion (6 credits)**

This course is designed to prepare students for advanced practice nursing role in the cardiothoracic surgical nursing and perfusion science with a special focus on the implications and clinical application of cardiopulmonary bypass in adult cardiac surgery. The course examines the cardiopulmonary pathologies, adult surgical conditions, and procedures, as well as the operative care involving perfusions.

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**NURS8252      Clinical Gerontology (6 credits)**

This course is designed to prepare students for advanced practice nursing roles in the specialty of gerontology nursing with a special focus on fundamental clinical issues and nursing management for clients with geriatric syndromes and common geriatric diseases. The effective inter-disciplinary team for advanced geriatric care is highlighted. The integration of theory, knowledge and research evidence in advanced clinical practice are emphasized throughout the course.

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**NURS8210      Comparative Health Systems (6 credits)**

This course is designed to prepare students for advanced practice nursing role in the community and public health specialty with a special focus on the principles and practice of health system analysis, and its relation to aging, nursing, and medicine. The health system models and the performance evaluation will be explored. The course also examines a range of different approaches to the empirical analysis of health system performance in selected countries, and compares different challenges and solutions to contemporary health care.

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**NURS8257      Contemporary Issues in Child Health (6 credits)**

This course is designed to prepare students for advanced practice nursing roles in the specialty of paediatric nursing, with a special focus on examining the contemporary issues in child & adolescent health and developing independently and interdependently nursing care with an interdisciplinary health care team. A wide range of emerging issues in child & adolescent health, from perinatal counselling to the end of life care, from the care of normal & healthy children to the sick children, from local to global perspectives, are addressed and discussed to broaden the paediatric nurses' scope and depth of care.

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**NURS7106    Epidemiology and Critical Appraisal (6 credits)**

This course is designed to prepare students for advanced practice nursing role in the community and public health specialty with a special focus on the concepts and approaches of epidemiology and its relevance to public health nursing practice. Students will develop a critical linkage between epidemiological data and clinical understanding of health and illness from the public health perspective. Students will learn to critically appraise major study designs in epidemiology and the concepts of disease screening and infectious disease epidemiology.

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**NURS8225    Foundation of Infection Control (6 credits)**

This course is designed to prepare students for advanced practise nursing roles in the specialty of infection control, focusing on the fundamental concepts and knowledge of infection control for understanding the importance, rationale, and implementation of infection control management in hospital and community settings. This course informs breakthrough discoveries in microbiology and infection control by capturing the most advanced, evidence-based knowledge and practices in the control of infection.

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**NURS8259    Foundation of Perfusion Science (6 credits)**

This course is designed to prepare students for advanced practice nursing role in perfusion science with a special focus on the basic scientific concept of extracorporeal perfusion in medical science. The discussion starts with history and development, pathophysiology to practical management and application in modern medicine. Students will be able to understand the concepts and practical aspects behind the cardiopulmonary bypass after the course.

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**NURS8227    Future Challenge of Infection Control (6 credits)**

This course is designed to prepare students for advanced practise nursing roles in the specialty of infection control, with a special focus on exploring the current and future challenges that directly impact the prevention or management of infection. The importance of scientific-driven rather than guideline-driven infection control practice is emphasized, especially in the era of emerging and re-emerging infectious diseases. The course examines the roles and efforts of the infection control teams in expanding the disease surveillance network through application of information technology, strengthening infection control, enhancing laboratory diagnostic capacity, conducting risk assessment and risk communication, developing applied research and training programmes, and preparing emergency response plans.

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**NURS8102    Health Care Systems and Policy (6 credits)**

This course is designed to prepare students for advanced practice nursing role in the community and public health specialty with a special focus on the analysis of health policy and health systems performance. Students are required to integrate the theories and frameworks to critically analyse and

compare different health care systems, health policy decisions and implementations. Students will develop a critical appreciation of the health system and policy levers, and compares different challenges and solutions to achieve better health outcomes.

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**NURS7103 Health Maintenance and Promotion (6 credits)**

This course provides a broad definition and understanding of health and health promotion at the individual, community, and societal levels. The course introduces different theoretical models, project design, implementation and evaluation methods and essential components for health promotion activities to enhance individual and population health. It guides students to identify opportunities for and barriers to promoting health and wellness among individuals and populations, design community-based health promotion activities, and conduct a systematic process, outcome and impact evaluation of health promotion activities.

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**NURS8249 Human Resources and Information Management (6 credits)**

This course is designed to prepare students for advanced practice nursing role in health care management and leadership specialty with a special focus on managing the essential human resources in health care organization. It illustrates human resource management by covering the resourcing, development, related laws and employee relations which impact organizational goals. Furthermore, this course facilitates analysis of systems that collect and disseminate information on health care.

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**NURS8226 Infection Control in Practice (6 credits)**

This course is designed to prepare students for advanced practise nursing roles in the specialty of infection control with a special focus on providing the understanding of, and practical experience in, infection control measures, for those who are interested in the daily management of hospital infection control. Emphasis will be placed on the control and prevention of nosocomial infections, as well as the infection control and prevention in special patient populations and in special areas.

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

This course is designed to prepare students for advanced practice nursing role in health care management and leadership specialty with a special focus on the nursing role in leading change, promoting creativity and innovation. It also examines nursing leaders' skills in improving their ability to lead through people, and synthesise techniques to motivate self and people.

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

This course is designed to prepare students for advanced practice nursing roles in the specialty of critical care with a special focus on managing clients with complex and/or unstable health problems and management of complete episode of care independently and interdependently with the interdisciplinary 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.

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

This course prepares students for advanced practice nursing roles in different specialties of surgical



nursing, with a special focus on focusing on managing clients with complex surgical and/or unstable health problems such as gastroenterological, urological, hepatobiliary and pancreatic, colorectal, breast, vascular and wound nursing, etc. Assessment and diagnosis of complex and/or unstable health problems will be discussed. Planning and implementation of therapeutic interventions, monitoring client's health status, and evaluation of outcomes will be explored.

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**NURS8248 Operations Management and Quality & Safety (6 credits)**

This course is designed to prepare students for advanced practice nursing role in health care management and leadership specialty with a special focus on scrutinising strategic and operational approaches in health care management. Students are expected to appraise the connecting concepts between operations management and quality & safety. The course explores the development of operations strategies, and examines the operations-oriented priorities in health care organizations.

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**NURS8260 Perfusion Technology and Techniques (6 credits)**

This course is designed to prepare students for advanced practice nursing role in perfusion science with a special focus on developing students' understanding on the perfusion techniques. It includes the basic design & operation of perfusion technology. The equipment technologies such as myocardial protection techniques, monitoring devices, hemodilution, design of circuitry, management of cardiopulmonary bypass will be discussed.

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**NURS7101 Philosophy & Science of Nursing (6 credits)**

Although nursing is a practice discipline, it cannot solely rely on the accepted theories of practice. For nursing to evolve, it must continually expand its knowledge base, which should be disseminated and applied to practice. As the development of science entails the interpretation of phenomena and events, the context within which nursing science is located must be taken into account. Furthermore, the advancement of nursing science requires its practitioners to have the skills and inclination to reflect on the quality of one's thinking and to use one's critical thinking skills to engage in more thoughtful thinking and problem-solving in work situations. In this course, students will be able to develop and practise meta-cognitive self-correction (using one's own thinking to improve one's own thinking) while they interpret, analyse, explain and evaluate the philosophy and science of nursing within the Western and Chinese context.

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**NURS8253 Psycho-Geriatric Care (6 credits)**

This course is designed to prepare students for advanced practice nursing roles in the specialty of gerontology nursing care with a special focus on caring of older people with mental or behavioural disturbance. This course requires the students to develop knowledge and skills from the multidiscipline of the mental health team. Major diagnostic syndromes, comprehensive assessment, management of older people with mental health needs and psychosocial effects of ageing on mental health are emphasised.

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**NURS7102 Research Methods for Health Professionals (6 credits)**

This course is designed to advance the students' understanding and application of research. It includes paradigms for nursing research, processes associated with quantitative and qualitative research methods, triangulation and research ethics.

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

This course is designed to prepare students for advanced practice nursing roles in surgical nursing, focusing on therapeutic nurse-client relationship to facilitate in transition state of clients' health behaviours throughout surgical trajectory with socio-cultural, legal and ethical considerations. Guidance provision regarding emotional and informational support to clients and their families with appropriate communication and counselling techniques will be discussed, in order to enhance self-efficacy and empowerment of patients, as well as encompassing empathy for overwhelming emotions and/or grief.

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

This course prepares students for advanced practice nursing roles in the specialty of critical care with a special focus on leadership communication and therapeutic interactions with clients, families and team members to provide holistic care for critically ill patients and their family. Students will also learn a range of advanced assessments, collaborative practice, and clinical management in complex critical care settings.

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**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:

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

This course is designed to prepare students for advanced practise nursing roles in the specialty of infection control, with a special focus on introducing the structure of the multidisciplinary infection control team, and their roles and responsibilities. Students will attach to the Infection Control Team at a local hospital and experience the working process at the hospital level, such as implementation of various infection control surveillance programmes and monitoring systems, review of microbiology laboratory results and surveillance data, and outbreak investigation and management.

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**NURS8206 Advanced Data Analysis and Management (6 credits)**

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

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**NURS7105 Advanced Health Assessment (6 credits)**

This course builds upon health assessment skills developed in the undergraduate nursing education programme. The course emphasises on the refinement of the nurse's data collection by which students will utilize comprehensive history, physical, psychosocial, and cultural assessment to gather specific data relevant to common health problems. The students will refine and consolidate the health assessment skills and technique so that they have the necessary foundation for making comprehensive health assessments and plans.

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**NURS8244      Advanced Nursing Practice in Anaesthesiology (6 credits)**

This course is designed to prepare students for advanced practice nursing roles in surgical nursing in which focusing on anaesthesiology. The aim is to deepen students' understanding towards anaesthetic issues that may affect clinical outcomes of surgical patients. Apart from principles of anaesthesiology and corresponding pharmacology, challenges and risks management of anaesthesia with ethical and legal considerations will be examined in order to equip students with the ability to evaluate advanced roles in anaesthetic nursing.

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**NURS8214      Advanced Practice in Infectious Disease Management (6 credits)**

The course examines the role of advanced practice nurses in the management, control and prevention of infectious diseases in hospitals and the community. The course emphasizes on the evidence-based investigation of outbreaks, and the role of infection control nurse in preventing and containing outbreaks.

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**NURS7204      Advanced Practice Roles (6 credits)**

The course explores the evolution of advanced practice nursing roles in the changing circumstances. It examines the history of advanced practice nursing, the scope, standards and power of advanced nursing practice. The legal and ethical issues, credentialing and certification will be discussed.

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**NURS8218      Analysing Qualitative Data (6 credits)**

The course is designed to equip students with skills for analysing qualitative data in health research. It will cover 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.

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**NURS8262      Anatomy and Physiology in Cardiovascular Perfusion (6 credits)**

This course is designed to prepare students for advanced practice nursing role in the perfusion science with a special focus on anatomical and physiological aspects involved in cardiovascular perfusion. This course introduces the essential functions and anatomy of human systems, such as cardiovascular, central nervous, renal, respiratory and hepatobiliary systems, etc. and highlights of the related aspects during extracorporeal perfusion.

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

The course examines ideologies in mental health and the role of mental health nurse in advanced practice and the skills necessary to practice with autonomy and collaboration. Interprofessional relationship and collaborative caring in mental health service, and concepts relevant to collaboration, such as power and the therapeutic process, coercion and control will be explored.

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**NURS6015      Chronic Disease Prevention and Management (6 credits)**

The course examines the advanced nursing practice in optimizing chronic disease management across the lifespan in a primary care setting. It equips the nurses with specific knowledge and skills for chronic

disease management, specifically in disease prevention, early detection and early intervention. Family-centered care and collaborative care emphasis are placed on health promotion, risk reduction and evidence-based management of common symptoms and problems. Nurse's unique contribution to holistic patient care and interdisciplinary collaboration are emphasized.

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**NURS8268 Child and Adolescent Health Nursing (6 credits)**

This course is designed to prepare students for advanced practice nursing roles in the paediatric speciality with a special focus on child & adolescent health. This course provides the most up-to-date evidence-based knowledge and skills in caring for children and adolescents with complex and/or unstable health problems. The focus is specifically on the nursing management of a complete episode of care, including assessment and diagnosis of complex and/or unstable health problems, planning and implementation of therapeutic interventions, monitoring the client's health status, and evaluation of outcomes.

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**NURS8240 Clinical & Professional Leadership (6 credits)**

The course explores nursing leadership and management concepts and skills to deliver effective patient care to a diverse population within the context of a dynamic health care system. It examines coordinating human and environmental resources necessary in management, effective leadership skills in staff empowerment and exerting influence in a group and in the community.

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**NURS8209 Clinical Decision Making in Nursing (6 credits)**

The course develops the nurses' capability in integrating theories and processes to clinical decision making. Clinical decision analysis will be emphasized to guide clinical judgment and problem solving in advanced practice. The course will also appraise the incorporation of evidence-based clinical guidelines and research on clinical decision making.

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**NURS8201 Concepts and Application of Chinese Medicine (6 credits)**

The course examines the application of Chinese medicine in nursing. It introduces philosophical foundations of Chinese medicine; history and development of Chinese medicine; drug absorption, distribution, transformation and elimination of related Chinese medicine. The course will also appraise the current research in Chinese herbal medicine.

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

The course focuses on the philosophy of patient education. It emphasizes theories and models for patient teaching in learning needs assessment, planning patient education, educational interventions for patients and families, and evaluating patient outcomes for individuals and groups. The course will also examine research methodology in patient education.

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**NURS7205 Curriculum Development (6 credits)**

The course aims to develop student competency in developing curriculum. It introduces 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.

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**NURS8219     Designing and Conducting Health Surveys (6 credits)**

The course reviews the entire survey process from design to analysis and reporting of result. It explores 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.

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**NURS8220     Evidence Based Practice (6 credits)**

This course provides students with advanced knowledge and skills to appraise health-related research studies. The concepts of Evidenced-based Practice (EBP) will be emphasized to facilitate clinical decision making using best available research evidence. Students will be developed skills in integrating research evidence to promote evidence-based decision and clinically effective care.

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**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.

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**NURS8202     Gerontology for Advanced Practice (6 credits)**

This course is designed to prepare students for advanced practice nursing roles in gerontological nursing with a special focus on developing student competence on advanced nursing skills in geriatric and gerontological care. It emphasises on the integration and application of theoretical knowledge into gerontological nursing practice. Issues related to disease prevention, chronicity, hospice movement, end of life issues, and the geriatric population boom are integrated into the examination of multiple factors influencing advanced nursing practice and care delivery in gerontology.

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**NURS8241     Health Care Delivery (6 credits)**

The course examines the strategies and organizational models for transforming the way health care being delivered, measured, and reimbursed. It discusses the safety, 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.

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**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.

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**NURS8251 Health Economics and Application (6 credits)**

This course is designed to prepare students for advanced practice nursing role in health care management and leadership specialty with a special focus on the key economic principles in health care financial management. It will provide students with the knowledge of financial planning, budgeting, managerial accounting, auditing and skills to critique current financing issues.

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**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.

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**NURS8203 Health Services Planning (6 credits)**

This course examines the principles and practice of integrated health planning, and evaluates the effectiveness of health services. It introduces theories and approaches to strategic planning, strategic planning model, mission formulation and roles of staff planner and consultant. It also explores the 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.

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**NURS8255 Healthy Ageing (6 credits)**

This course is designed to prepare students for advanced practice nursing roles in gerontological nursing focus on care models of promoting healthy aging in a global perspective. Concepts of health and illness, technology innovation, health promotion and disease prevention, theory and practice of health education at individual and community levels are emphasised.

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**NURS8230 Infection Control and Hospital Infrastructure (6 credits)**

This course is designed to prepare students for advanced practise nursing roles in the specialty of infection control, with a special focus on understanding the essential infrastructure requirements for infection control and prevention in the healthcare settings. Students will attach to the Infection Control Team in a local hospital and explore the components and importance of hospital infrastructure, as well as the infrastructure requirements for effective infection prevention and control at the hospital level.

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**NURS8229 Infection Control in Special Care Unit (6 credits)**

This course is designed to prepare students for advanced practise nursing roles in the specialty of infection control, with a special focus on the infection control practice in special care units. Students will attach to the Infection Control Team at a local hospital to observe and examine infection control surveillance and monitoring, risk assessment, and prevention and control of infection in patients with special health needs.

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**NURS8204 Instructional Design for Health Professionals (6 credits)**

The course develops student competency for delivering effective teaching using instructional design principles and best practices in educational technology. It explores learning theory, instructional theory and psychoeducational design; teaching/learning strategies; designing instructional systems for Chinese learners; models for relating research, development and practice.

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**NURS7201 Legal and Ethical Issues in Nursing (6 credits)**

The course will critically analyse ethical and legal issues relevant to health care practice and policy, incorporating critical application in advanced nursing practice. It explores 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.

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**NURS8245 Managing Emergencies in Critical Care (6 credits)**

This course is designed to prepare students for advanced practise nursing roles in the specialty of critical care nursing, with a special focus on the essential principles of assessment and management of clients in various emergencies. The aim is to prepare nurses to identify, assess and manage the situations independently and interdependently with the interdisciplinary health care team.

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**NURS8212 Mentoring for Health Care Professionals (6 credits)**

The course aims to prepare students critically to reflect, explore and apply principles of mentorship, work-based learning and assessment in the healthcare settings. It explores concept and context of mentoring and mentoring in the healthcare context. The course covers: 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.

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**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.

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**NURS6271 Bioethics Foundations (6 credits)**

This course offers an introduction to the fundamentals of bioethics.

The course provides a firm grounding in traditional approaches to bioethics and relevant legal and philosophical theory from diverse perspectives. By making connections to moral and legal philosophy as well as to bioethics, students will be able to locate current questions of policy and law within a

broader academic context. The course will emphasize building students' understanding of philosophical fundamentals, which are involved in and may provide a different perspective to more specific topics in bioethics such as the end of life and the physician-patient relationship.

The syllabus covers significant schools of thought essential to understanding bioethics and medical law, such as consequentialism, virtue ethics, and deontology. Students will also be introduced to non-Western perspectives, such as concepts in Confucian ethics. Students will examine legal, ethical, and economic and policy dimensions of questions in bioethics throughout the class using the philosophical tools they developed. Case studies and debates will be used to develop students' ability to analyze the key issues of bioethics, and construct well-formed arguments in support of or against the ethical arguments.

#### **NURS6269 Introduction to Medical Law (6 credits)**

The course will provide an overview of the nature of legal method and precedent and of sources of law, as well as the framework of the Basic Law and general legal system in Hong Kong. In particular, the workings and methodology of the English common law system (on which Hong Kong medical law is largely based) will be examined. Students will be equipped with the necessary academic tools for legal analysis, research and writing. The course will familiarize students without legal backgrounds with distinctions between civil and common law systems as well as the role of international law. Within the common law framework, students will build understanding of the role of precedent, sources of law and governmental authority and distinctions between procedural and substantive law. The course will also emphasize notion of health as a human right and its relation to national and international law.

The course will provide an introduction to Medical Law. Students will be given an introduction to the law of tort, with an emphasis on the torts of trespass and negligence; and the concept of causation and damages. Students throughout the class will examine various kinds of legal actions that may be faced by healthcare professionals (e.g. medico-legal claims, coroners' inquiries, professional disciplinary proceedings, criminal proceedings, and civil claims in trespass, negligence or in contract).

#### **NURS8266 Neonatal Care Nursing (6 credits)**

This course is designed to prepare students for advanced practice nursing roles in the paediatric specialty with a special focus on neonatal care nursing. This course will focus on the caring of high-risk neonates, who are ranging from common neonatal health problems, high dependency to critically unwell conditions, in a baby-friendly environment. The perinatal, biological and pathophysiological risk factors are critically examined and related to the preventive measures and newborn assessment. With the evidenced-based knowledge in the interpretation of advanced investigations, pharmacology, medical treatment and advanced technology in contemporary neonatal care, the family centred care for the high-risk newborns will be strengthened. Parental education on long-term care to support the infants' nutrition, growth, neurological development and complex care needs will be emphasized.

#### **NURS8250 Organizational Development and Global Trend (6 credits)**

This course is designed to prepare students for advanced practice nursing role in health care management and leadership specialty with a special focus on conveying a detailed analysis of the structure and functions of healthcare delivery organizations, and the key management competencies required for excellent organizational performance. In addition, the course familiarizes students with the profession of healthcare administration and development in both local and global sectors.

#### **NURS8269 Paediatric Cancer Nursing (6 credits)**



This course is designed to prepare students for advanced practice nursing role in the paediatric specialty with a special focus on paediatric cancer nursing. This course offers a strong foundation of continuity care of children and families from the acute stage to longterm and palliative care in hospital and community. The knowledge of pathophysiological mechanisms of cancers, multimodal investigations, newest paediatric oncology treatment options are examined. Multidisciplinary collaboration is emphasized in clinical decision making, providing continuity of care, family interventions and transition care to the children with cancer and the families.

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**NURS8267 Paediatric Critical Care (6 credits)**

This course is designed to prepare students for advanced practice nursing roles in the paediatric specialty with a special focus on nursing care of critically ill children. The expanded knowledge on pathophysiological mechanisms, interpretation of advanced investigations, pharmacology, advanced technology and medical treatment in contemporary paediatric intensive care unit are well integrated into the course, aim to improve the clinical judgement and decision making. Nursing management is emphasized to adopt an evidenced-based approach from assessment, planning, implementation to evaluation.

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**NURS8264 Paediatric Perfusion and Mechanical Circulation Support (6 credits)**

This course is designed to prepare students for advanced practice nursing role in the perfusion science with a special focus on the paediatric perfusion science. This is an overview module discussing basic knowledge and clinical applications of mechanical circulatory support and perfusion in paediatric patients. Students will have a fundamental idea of perfusion strategies and congenital cardiovascular disease. Advanced mechanical circulatory support, such as ECMO and VADs will be included as well.

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**NURS8265 Palliative Care Nursing (6 credits)**

Nurses caring for patients with life-limiting illness and their families require highly developed interpersonal skills, and knowledge of advanced concepts relating to person-centred care and appropriate support. Palliative care embraces holistic care in which is an approach for achieving the best possible quality of life for patients and their family caregivers facing life-threatening illness. This course facilitates students to expand their knowledge and practice of palliative care. Students in this course will be prepared in the core principles and practice of palliative care including the role of nurses in palliative care, multi-disciplinary approach, symptom management, communication skills, community resources, decision making in end-of-life care, and bereavement care.

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**NURS7104 Pathophysiology (6 credits)**

The course aims to explore the application of advanced knowledge of the complex physiological functions and pathophysiological processes to the care of individuals with healthcare problems. The course covers 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.

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**NURS8263 Pharmacology and Pathology in Perfusion (6 credits)**

This course is designed to prepare students for advanced practice nursing role in the perfusion science with a special focus on developing students' understanding on the general pathologies in extracorporeal perfusion. Students will have in-depth knowledge of various heart and lung pathologies, infection, haematology, and blood transfusion. Pharmacology management about the different disease and perfusion setting will be included.

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#### **NURS8101    Pharmacotherapeutics (6 credits)**

The course aims to explore the application of clinical pharmacology in advanced scopes of nursing practice. It examines 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 paediatric 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.

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#### **NURS8223    Randomized Controlled Trials of Nursing Intervention (6 credits)**

The course examines the advanced knowledge and skills required to design and undertake a clinical trial. The course covers: What is RCT; Randomisation; Assessment, Blinding and Placebos; Special designs; Protocol development; Sub-group and multiple outcomes; Data analysis.

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#### **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.

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#### **NURS8213    SARS and Advanced Practice Nursing (6 credits)**

The course explores the epidemiological, clinical management and laboratory findings on Severe Acute Respiratory Syndrome (SARS). The course covers 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.

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#### **NURS8242    Quality Assurance Improvement (6 credits)**

The course examines quality improvement methodology to increase process and product performance and to improve the quality in healthcare organizations. The course covers 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.

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**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.

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**NURS8222 Statistical Practice in Health Sciences (6 credits)**

The course provides the opportunity to examine the theoretical principles and practical knowledge required to design and implement strategies for data collection, analysis, interpretation and integration of quantitative data. The purpose of the course is to acquaint the students with statistical techniques commonly used and reported in research literature of health professions. The main emphasis will be on analyzing real data using the statistical techniques in practice. Important theoretical principles will be studied.

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**NURS8205 Tobacco Dependency Nursing Intervention and Management (6 credits)**

The course provides education and experience to nurses on the treatment and management of tobacco dependency in clinical practice. Students will learn how to assess the smoking status of the smoker, plan personalized treatment (pharmacological and behavioural) to promote cessation, deliver effective and evidence based smoking cessation interventions, prevent relapse, evaluate the outcome of the intervention, and promote the delivery of smoking cessation intervention in the health care system.

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

The course examines the acute health system in promoting the health of women through community-based care. The course covers 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.

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**NURS7206 Women's Health Issues (6 credits)**

This course focuses on women's health and human rights issues from infancy through old age. The course covers gender & cultural issues; violence against women – battered women, sexual violence against women; sexual violence against women discussion.

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## 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, Paediatric Nursing track, Critical Care Nursing Track, Gerontology Nursing Track, Advanced Surgical Nursing Track or Health Care Management and Leadership Track may choose to complete either NURS7302 Dissertation or NURS7303/NURS7304/NURS7305/NURS7306/NURS7307/NURS7308 Clinical Research Project (Perfusion Science Track/Paediatric Nursing Track/Critical Care Nursing Track/Gerontology Nursing Track/Advanced Surgical Nursing Track/Health Care Management and Leadership Track). Syllabuses are as follows:

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### **NURS8224 Translational Nursing Research (6 credits)**

This course aims to prepare students for translational research and using evidence as the basis of clinical and public health practice. It will cover the principles and methodologies of translational nursing research, including identification of a topic under research, assemble and evaluate evidence in relation to the chosen topic, assess the implementation potential of an evidence-based innovation, develop an evidence-based guideline, implementation plan and evaluating the outcomes.

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### **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.

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

Students are required to complete the clinical practicum related to cardiovascular perfusion (case-observation, case discussion and/or workshops) under the supervision, keep a clinical logbook and submit a report on evidence-based practice for perfusion science.

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

Students are required to complete the clinical practicum related to paediatric care (case-observation, case discussion and/or workshops) under the supervision of a clinical mentor, keep a clinical logbook and submit a report on evidence-based practice for paediatric nursing.

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### **NURS7305 Clinical Research Project (Critical Care Nursing Track) (9 credits)**

Students are required to complete the clinical practicum related to critical care (case-observation, case discussion and/or workshops) under the supervision of a clinical mentor, keep a clinical logbook and submit a report on evidence-based practice for critical care nursing.

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**NURS7306 Clinical Research Project (Gerontology Nursing Track) (9 credits)**

Students are required to complete the clinical practicum related to gerontology and geriatric care (case-observation, case discussion and/or workshops) under the supervision of a clinical mentor, keep a clinical logbook and submit a report on evidence-based practice for gerontology nursing.

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**NURS7307 Clinical Research Project (Advanced Surgical Nursing Track) (9 credits)**

Students are required to complete the clinical practicum related to advanced surgical care (case-observation and workshops), keep a clinical logbook under the supervision of a clinical mentor and submit a clinical research project report on evidence-based practice for advanced surgical nursing.

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**NURS7308 Clinical Research Project (Health Care Management and Leadership Track) (9 credits)**

Students are required to complete the practicum (observation, case studies and/or workshops) related to management and leadership in the health care setting under supervision. Students are required to keep a logbook and submit a report on evidence-based practice in health care management and leadership.

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