EDUC 7440 Understanding Number Theory (3,3,0) (C)
This course aims at developing students' understanding and appreciation of the theory of numbers. Basic concepts such as divisibility, congruence, linear equations, as well as advanced topics in continued fraction, magic squares and Latin squares, will be covered. Theories and concepts behind games and project ideas for classroom teaching will also be explored and examined.

EDUC 7460 Geometries in Perspective (3,3,0) (C)
The study of geometry has come a long way since the brilliant work in Euclid's Elements. This course aims at enhancing students' understanding and appreciation of the salient branches of geometry, including the development of Euclidean and non-Euclidean geometries, and dynamic geometry.

EDUC 7470 Statistics and Society (3,3,0) (C)
This course introduces elementary probability, elementary statistics and how statistical thinking impacts people's everyday life. Theories and concepts behind games and project ideas for classroom teaching will also be explored and examined.

EDUC 7510 Child and Adolescent Development (3,3,0)
Prerequisite: Introductory psychology or equivalent
This course aims at increasing students' understanding of the psychological theories and research of child and adolescent development. Current issues and themes related to the development of children and adolescents will also be discussed. In addition, studies of development of Chinese children and adolescents will be included.

EDUC 7520 Research Methods in Education (3,3,0)
This course aims at developing in students a functional knowledge of the research process from idea formulation to data analysis and interpretation. It introduces students to the basic concepts, principles and skills required for reading and conducting educational research. It also enables them to critically evaluate published research in education.

EDUC 7530 Sociocultural Context of Human (3,3,0) Development
This course aims at providing a framework for understanding the influence of the sociocultural context on human development. Major socialization agents including the family and the school are examined from a multidisciplinary perspective focusing on the interactive influence between the individual and the society. Specific reference is made to cross-cultural studies.

EDUC 7540 Psychology of Moral Development (3,3,0)
This course studies the nature and current theories of moral development. Special reference will be made to research on the moral development of Chinese people.

EDUC 7550 Problem Behaviours in Children (3,3,0) and Adolescents
This course examines the nature, prevalence and consequences of the problem behaviours common among today's youngsters and also measures for their rectification. Specific reference will be made to current research in problem behaviours.

EDUC 7560 Seminar in Education (3,3,0)
This course provides a forum for the discussion of current and emerging issues in education, and gives students the opportunity to develop competence in making meaningful responses to education matters, especially those relevant to Hong Kong.

EDUC 7570 Moral Education: Theory and Practice (3,3,0)
This course provides an inter-disciplinary framework for thinking about moral education for children and adolescents. It looks at various models of moral education and discusses their application in primary and secondary education.

EDUC 7580 Civic Education (3,3,0)
This course aims at developing critical understanding of the significance and development of civic education for primary and secondary schools. It introduces basic concepts in civic education, examines critical issues in the design and implementation of civic education, and discusses the role of civic education in the development of children and adolescents.

EDUC 7590 Education for the Gifted and Talented (3,3,0)
This course provides an orientation to the study of gifted and talented children and adolescents. It examines programme models for developing the gifted and talented, focusing on the instruction and learning process. Current research in gifted education and creativity in Hong Kong will be examined.

EDUC 7600 Career Competence Development (3,3,0) and Education
Prerequisite: EDUC 7510 Child and Adolescent Development
This course aims at providing a framework for understanding career awareness and concerns in adolescents. It focuses on the development of competence in career planning and the establishment of a vocational identity. Career development and guidance strategies will be discussed.

EDUC 7610 Data Analysis for Education (3,3,0)
Prerequisite: EDUC 7520 Research Methods in Education
This course aims at optimizing students' use of research data by providing instruction in various quantitative and qualitative techniques commonly applied to research in education. It covers the principles, procedures and evaluation of these techniques. Use of computer software packages for data analysis is emphasized.

EDUC 7621-2 Dissertation I & II (3,0,0)
The dissertation aims to offer an opportunity to develop students' competence in exploring in depth an aspect of education. Emphasis is placed on the quality of the dissertation research, the originality of the research and its contribution to the field of study. Students are entitled to a number of consultation meetings with their dissertation supervisors to discuss the topic and research methodologies, as well as to report progress, review work completed, and finalize the written report.
Students are expected to demonstrate in the dissertation their abilities to undertake rigorous research and report the research in a recognized academic form. The anticipated length of the dissertation is about 15,000–20,000 words in English, or 20,000–25,000 characters in Chinese.
Details and requirements on the preparation of the dissertation are listed in a separate handbook distributed to students upon submission of dissertation outlines.

EDUC 7630 Thinking and the School Curriculum (3,3,0)
This course aims at providing an overview of the teaching and learning of thinking skills in education. It introduces a cognitive learning perspective, examines the approaches to the teaching of thinking, and discusses the models for teaching and learning of thinking. It also reviews the strategies for assessment of thinking and the current waves of research and development on thinking.

EDUC 7640 School Guidance and Counselling (3,3,0) (C)
This course introduces to students a general orientation to the work of guidance and counselling in school settings. Patterns of guidance and counselling organization, and theories and techniques of school guidance and counselling are examined. The emphasis is placed on implementation of school guidance and counselling programmes, which includes curriculum development, programme management, leadership and evaluation.

EDUC 7650 Independent Project (3,0,0)
This course provides opportunities for students to express their major concern in education, and to explore specific educational issues by means of self-regulated learning and transfer of knowledge. Upon submission of a project outline, each student is assigned to a Project Supervisor with whom he/she is entitled to

three 30-minute consultation sessions. Through interactions with the Supervisor, the student attains basic guidance to conduct an independent project.

By the end of the semester, students are required to submit a final project report of about 8,000–10,000 words in English or 10,000–13,000 characters in Chinese. For facilitation, they are given a set of instruction guidelines on the preparation of the project report. The independent project should be well-planned, systematically conducted, and clearly reported to reflect the student's analytical, critical and creative thinking in the exploration of educational issues relevant to the theme of the MEd programme but currently not offered in the existing courses.

EDUC 7660   Phonetics and Phonology   (3,3,0)
This course aims to help students acquire concepts of phonetics and phonology of the English language relevant to English teachers in schools. It incorporates knowledge of the sound systems of English in speech perception, production and use. Application of such knowledge in English teaching will also be discussed.

EDUC 7670   Lexis, Morphology and Semantics   (3,3,0)
This course aims at developing students' metalinguistic knowledge of the lexical, morphological and semantic properties of English words. It considers the formation and construction of English words, and examines the meaning systems at word, phrase, sentence and discourse levels. Applications of knowledge of words to students' own vocabulary use and English vocabulary teaching as well as assessment will also be discussed.

EDUC 7680   Grammar for Teaching   (3,3,0)
This course aims at enhancing students' knowledge of English grammar and enabling them to gain systematic insight into how grammar works in English language teaching. It examines the essential components of grammar both at the sentence and the discourse level.

EDUC 7690   Written and Spoken Discourse   (3,3,0)
This course aims at increasing students' understanding of how language, both written and spoken, is used to communicate meaning in different contexts. It introduces basic techniques for describing and analysing written and spoken discourse, using a variety of discourse types, including classroom discourse. The relevance of the study of discourse for English language teaching will also be discussed.

EDUC 7700   Pscholinguistics and Sociolinguistics (3,3,0)
in English Language Teaching
This course introduces students to the psycholinguistic and sociolinguistic theories that are relevant to English language teaching and learning. It examines language acquisition, language spread and politics surrounding salient issues of language and language teaching. Specific references will be made to the context of English language education in Hong Kong.

EDUC 7710   Literature and Language Arts   (3,3,0)
This course introduces students to the major genres of literature and language arts and develops their understanding and appreciation of literature through detailed analyses of selected literary pieces of different genres.

EDUC 7720   Strategic Planning, Qualitative   (3,3,0) (C)
Assurance and Networking of Schools
On the basis of an overview and analysis of educational policies and contexts, this course focuses on an integrated learning of strategic planning, networking, accountability and quality assurance in schools.

EDUC 7730   Curriculum Development and   (3,3,0) (C)
Resource Management in Schools
On the basis of an overview and analysis of curriculum and resource management, this course focuses on an integrated learning for curriculum development and management of

resources, including finance and staff to sustain quality teaching and learning in schools.

EDUC 7740   Managing Change in Schools   (3,3,0)
This course is designed to familiarize students with key principles, trends and approaches to managing change in school, with particular reference to the current educational context. To strengthen the practical aspects, techniques of implementing and communicating changes will also be introduced.

EDUC 7750   Leadership and Team Building in   (3,3,0)
Schools
Exploring frameworks that inform educational leadership, this course focuses on supporting students to reflect upon, analyse and critique thinking on school leadership and management, with reference to their own school contexts. Effectiveness in leadership and management requires an appreciation of how productive and successful teams may take schools forward to growth and success.

EDUC 7770   Scientific Foundations of Physical   (3,3,0) (C)
Education in Schools
This course aims at developing students' knowledge of scientific foundations in PE. Emphasis will be on application of such knowledge in teaching, learning and assessment in PE in school.

EDUC 7780   Humanities and Social Sciences   (3,3,0) (C)
Foundations of Physical Education
in Schools
This is a cross-disciplines course that included various sport related knowledge such as the social, history, and philosophical aspects. The emphasis of this course will be focused on how they affect the development of PE subject in schools. Reflective approach will be adopted.

EDUC 7790   Independent Inquiry Study in   (3,3,0)
Physical Education
This course provides students with opportunities to conduct an independent, inquiry study (IIS) on issues related to PE and Sport. Emphasis will be placed on equipping students with competence in facilitating PE or sport related "Independent Enquiry Study" (IES) as a compulsory element of the core subject Liberal Studies (LS) at senior secondary level.

EDUC 7800   Athletics and Swimming in Schools (3,0,3) (C)
This course aims at developing students' competence in athletics and swimming required of being a school PE teacher. This course not only enhances students' knowledge and skills of the related activities but also assists them to reflect on the teaching and learning processes and become reflective practitioners in teaching PE in schools.

EDUC 7810   Dances and Gymnastics in Schools   (3,0,3) (C)
This course aims at developing students' competence in dances and gymnastics required of being a school PE teacher. This course not only enhances students' knowledge and skills of the related activities but also assists them to reflect on the teaching and learning processes and become reflective practitioners in teaching PE in schools.

EDUC 7820   Ball Games in Schools   (3,0,3) (C)
This course aims at developing students' competence in two ball games (two from Basketball, Handball, Volleyball or Football) required of being a school PE teacher. This course not only enhances students' knowledge and skills of the related activities but also assists them to reflect on the teaching and learning processes and become reflective practitioners in teaching PE in schools.

EDUC 7830   Racket Games in Schools   (3,0,3)
This course aims at developing students' competence in two racket games (two from Badminton, Table-tennis, Squash and Tennis) required of being a school PE teacher. This course not only enhances students' knowledge and skills of the related activities