how to share and allocate resources fairly, how to understand competition in the context of mathematics, and how to manage money and finance.

EDUD 7010   **Advanced Applications of Qualitative**   **(3,3,0)**
Methods
Prerequisite: EDUC 7520 Research Methods in Education & EDUC7610 Data Analysis for Education or equivalents

This doctoral level course explores important issues and selected advanced topics in qualitative research. It consists of four topics, i.e., paradigms in qualitative research, qualitative research designs, qualitative data collection and analysis, and qualitative writing. While recognizing numerous methodological approaches within qualitative research design, this course provides an exploration of conceptually different methods including grounded theory, narrative enquiry, ethnography, and case study, with an emphasis on the application and critique of these qualitative methods. This course encourages students to critically examine their own stances, goals, reflexivity and voice as a researcher and become well informed of the various ontological, epistemological, and methodological assumptions that guide educational and social research. An overall focus throughout the whole course will be developing students' ability to explain, justify and defend a research method of their own choice, through taking care to recognize and underscore the inherent differences between qualitative and quantitative research work.

EDUD 7020   **Advanced Applications of**   **(3,3,0)**
Quantitative Methods
Prerequisite: EDUC 7520 Research Methods in Education & EDUC7610 Data Analysis for Education or equivalents

This course is an introduction to the conceptual and practical applications of multivariate statistical techniques commonly used in empirical research for describing and analyzing multivariate data. It employs a modular approach with a focus on various advanced statistical procedures, their strengths, limitations and assumptions, pre-analysis data screening as well as a framework for choosing the most appropriate statistic in a given data analysis. Emphasis is placed on formulating research questions, applying multivariate statistical techniques to address research questions, and interpreting results, including write-up of findings in a clear and concise manner consistent with APA style. Using computer software such as IBM SPSS and AMOS for statistical analysis will be included.

EDUD 7030   **Development of Research Proposal**   **(3,3,0)**
and Thesis
Prerequisite: EDUC 7520 Research Methods in Education

This course aims to assist doctoral students in their preparation of their research proposal and thesis and build community among EdD students and faculty. The first part of the course will focus on understanding and defining the elements in a prospectus including the problem statement, conceptual/theoretical framework, literature review, research design and methodology. The second part will focus on the structure and writing of doctoral thesis. It will help students to become familiar with important aspects of writing so that they can handle the writing of their thesis more systematically and confidently.

EDUD 7040   **Colloquium on Reflective Practice in**   **(3,3,0)**
Education
This course aims at providing a framework for understanding the concept and practice of reflection in education. It introduces the basic principles of reflection as well as the concepts and procedures that are essential for engaging in reflective practice. Specific reference is made to teaching and learning within school contexts.

EDUD 7050   **Issues and Research in Mathematics**   **(3,3,0)**
Education
Prerequisite: Have taken courses in Mathematics Education at the M.Ed. level

This course aims at introducing students to contemporary issues and research in mathematics education to develop a multi-perspective lens to view the teaching and learning of mathematics and to equip students with ability to critique research literature intelligently. It introduces current concerns, theories and approaches in mathematics education research.

EDUD 7060   **Critical Issues in English Language**   **(3,3,0)**
Assessment
This course aims at providing students with fundamental information for developing their conceptual understanding towards theory, rationale and practices of English language assessment in both L1 and L2 contexts. It introduces critical issues in the field of language assessment including compatibility of assessment principles, usefulness of school-based assessment, washback of large-scale testing, synergy of summative and formative assessment, development of language assessment literacy, pros and cons of web-based assessment, etc. It also includes a small-scale and independent investigation of significant issues in English language assessment environments.

EDUD 7070   **Emerging Issues and Research in**   **(3,3,0)**
Technology in Education
This course aims to develop students' knowledge about the emerging issues and the latest research in the field of Technology in Education, to build their capacity for inquiry and to expand their theoretical bases for practice. It discusses the commonly adopted research paradigms and methodologies and engages students in evaluating and critiquing scholarly work relevant to the field. It also develops students' competency to formulate research ideas and design investigations on issues pertinent to Technology in Education.

EDUD 7080   **Curriculum Development for the**   **(3,3,0)**
21st Century: Global Perspectives
This course aims at providing students with the basic information on school curriculum development from the late 20th century onward. The course will focus on major socio-political and technological trends of a globalizing world in the past three to four decades and how these changes impact schools in various places. Students will gain understanding on curriculum and education reforms in both more developed countries (MDCs) and less developed countries (LDCs).

EDUD 7090   **Language Policy in the Global Age**   **(3,3,0)**
This course aims at providing students with an overview of language policy in the global age. Through a comparative perspective, the course also fosters critical thinking in the critique of language policies implemented in different regions in the global arena.

EDUD 7100   **Educational Leadership and**   **(3,3,0)**
Administration: A Global Perspective
This course facilitates students to critically examine issues related to educational leadership and administration with a global perspective. This course requires students to act as active learners who actively search for study materials, reflect upon them, and conduct seminars to share with education professionals and fellow students their findings and reflections on issues related to leadership and administration in education.

EDUD 7110   **Education System and Policy:**   **(3,3,0)**
A Comparative Perspective
This course aims at providing students with some of the concepts and information necessary for comparing different education systems and policies, their contexts and educational outcomes. Through a comparative perspective, the course also helps students sharpen their research and analytic skills for comparative insight about a specific education system and policy, such as Hong Kong education system and/or policy.