

Course Description

EDCB110/EDEB110/PPEB110 教育學導論 INTRODUCTION TO EDUCATION

This course aims to help students understand the general law of the human education system. From historical, theoretical and practical perspectives, the course explores (1) the fundamentals of education, (2) the relationship between education and social, political, economic and cultural developments, and (3) the relationship between education and human physical and mental developments (4) education purposes (teleology), and (5) the relationship between teachers and learners. It also discusses issues about education systems/structure, curriculum and instruction, moral education, educational management, etc.

Pre-requisite: None

EDCB111 中國文學發展與教育 I HISTORY OF CHINESE LITERATURE AND ITS TEACHING I

本科主要介紹先秦兩漢至隋唐這段歷史時期重要的文體（詩、散文、賦、樂府、駢文等）特點、文學流派、文論發展、名家作品等，說明文學與思想、政治、社會等關係，並教授學生如何蒐集相關的文、論材料，編寫教材，選用適當的教學法，以便將來能在中學教學實踐中靈活正確運用。

先修科目：沒有

EDCB112 現代語文與教育 MODERN CHINESE LANGUAGE AND ITS TEACHING

本科旨在切合澳門現行中學語文教學的內容和要求。教學內容以中學課程教學需要為導向，即字、詞、句的講解，以及語法和修辭的分析。內容除通論現代漢語的基本知識外，並簡述邏輯與語文的關係，培養學生的語文思維能力，藉以提高學生在語文教學方面的能力。

先修科目：沒有

EDCB120/EDEB120 教育哲學 PHILOSOPHY OF EDUCATION

This course is designed to show the important influence of educational philosophy on different philosophical theories. All educators and educational investigators should be equipped with a knowledge base of Western and Chinese educational philosophies in order to seek a correct educational orientation. The course will cover topics such as the definition of philosophy and education, their relationships and their basic problems, with a systematic analysis, comparison and evaluation of various schools of educational philosophies, studying their advantages and disadvantages and their influences on teaching. Other topics include analysis of educational concepts, critique of educational philosophies, examination of classical educational doctrines, evaluation of modern educational problems and reflection on one's educational beliefs and aspirations.

Prerequisite: None

EDCB121 中國文學發展與教育 II HISTORY OF CHINESE LITERATURE AND ITS TEACHING II

本科主要介紹宋元明清這段歷史時期重要的文體（詞、曲、戲劇、小說、新民體）特點、文學流派、文論發展、各家作品等，並說明文學與思想、政治、社會等關係，並教授學生如何蒐集相關的文、論材料，編寫教材，選用適當的教學法，以便將來能在中學教學實踐中靈活正確運用。

先修科目：沒有

EDCB122 古今漢字的教與學 TEACHING AND LEARNING OF THE ANCIENT AND MODERN CHINESE CHARACTERS

漢字是漢語的基本單位，是形音義結合的符號體系，故本科將從歷史發展的角度，考察漢字字形、字音、字義的變遷，講授漢字的性質、特點和結構，以及漢字簡化等問題，以增進學生對漢字的理解。又文言以一字一詞為主，故本科亦將講授文言詞彙的基本知識，以配合中學古詩文教學的需要。

先修科目：沒有

EDCB150/EDEB150 生命教育 LIFE EDUCATION

Life education is to explore the fundamental life issues based on the content of life wisdom. Why do people live? How should people live? How can they live out the values of life? These three fundamental questions about life are the core issues of life education. This course guides students to explore important life values and moral topics through critical thinking and reflection in order to figure out the meaning of life. In addition to the sentiments of humanistic arts, gratitude and service, life education also includes areas like life philosophy, life and death, religious beliefs, moral thoughts, spiritual developments, etc. With systematic exploration and experiences for these important life issues under the framework of East and West cultural thoughts, this course aims to help students construct a world vision, a complete life philosophy and correct values.

Prerequisite: None

EDCB151/EDEB151 澳門教育與社會 EDUCATION AND SOCIETY IN MACAU

This course is designed to help students to reflect on the social and education system of Macau since the foundation of New China in 1949. By applying sociological and political concepts and theories, the course will analyse the discourses and development experiences of Macau. The course materials will be based on the accumulated research findings and publications related to the said period. It is intended to help students to have a broader and more penetrating understanding of Macau society and its educational system.

Prerequisite: None

EDCB152/EDEB152 多媒體課件設計及發展 MULTIMEDIA COURSEWARE DESIGN AND DEVELOPMENT

This course deals with the basic principles and practice of design and development of multimedia courseware based on the latest development in Information Technology. Specifically, participants will identify, analyse instructional problems, design and develop learning environments and courseware aids. Participants are also encouraged to design, develop, implement and evaluate their courseware.

Prerequisite: None

EDCB153/EDEB153 攝影教育 PHOTOGRAPHY IN EDUCATION

In contemporary culture, the practice and use of photographs has been vital in everyday life and in education. This course will help students understand some photographic work from the early 19th century to the present day, each of which was taken with a unique approach and perspective. Students will undergo a series of workshops, taking snapshots of everyday life and exploring the role of photography in relation to education and aesthetics in the modern world.

Prerequisite: None

EDCB154/EDEB154 西洋古典音樂史 WESTERN CLASSICAL MUSIC HISTORY

This course aims at providing an advanced discussion of the styles, characteristics and historical development of the different eras from the 8th century to the 19th century in western classical music history. The focus of the course is on the aesthetic analysis of music literature, famous composers' masterworks and different compositional styles. Understanding the development of notation will provide students with a better idea of how musical concepts have influenced the development of characteristics identified in each era in history. By the close of the semester, students will have a solid understanding of the development of western classical music.

Prerequisite: None

**EDCB155/EDEB155 運動、休閒與娛樂事業導論
INDUSTRY OF SPORT, LEISURE AND RECREATIONAL ACTIVITIES - AN
INTRODUCTION**

Sports and its related development in leisure and recreation attract attention due to its intrinsic connection to personal growth, health improvement and social development. Bidding of mega sport events, building of sport tourism, planting of jogging and bicycle tracks in city, promotion of health related sport projects in community and planning of sport and recreational centres are examples of the contemporary development of sports. This course aims at bringing students basic understandings of sport, leisure and recreation as an industry, with an emphasis on the following strands: structure and organisation; activity types and international development; economic prospects, demand and supply, management, sport market and services; social change and customer behaviour; national, city and community planning; and careers and job nature in the industry of sport, leisure and recreation. The related theories, elements of developmental background and trends are the basic content of the study. Teaching will be conducted from an interactive perspective, with field trips, project works and visits as the major learning activities.

Prerequisite: None

EDCB156 現代中文寫作與教學 MODERN CHINESE WRITING AND ITS TEACHING

本科旨在通過有目的的寫作訓練，有效地提高學生書面語言的表達能力；也在於培養學生審美情趣、發展健康個性、形成健全人格。本科教學內容包括：培養學生觀察與感受生活能力、閱讀能力、聯想能力和語言能力。此外，並指導學生就現代中文寫作，編寫教材，採用合適的教學法，以便日後在教學實踐中靈活正確運用。

先修科目：沒有

EDCB210/EDEB210 課程與教學論 THEORIES OF CURRICULUM AND INSTRUCTION

Theories of Curriculum and Instruction provide students with basic principles of modern curriculum and instruction. It aims to improve their professionalism and teaching efficiency in all their working processes, put basic principles into creative practices, set clear objectives, select and organize contents, implement and evaluate curriculums under the guidance of ideal educational values and goals. It also helps to effect leadership in the teaching process, create an exciting learning situation and deeply involve the students in teacher-student interactions with the support of new instruction models, strategies and methods.

Pre-requisite: EDCB110/EDEB110

EDCB211 歷代散文與教育 I CLASSICAL CHINESE PROSE AND ITS TEACHING I

本科旨在講述中國歷代散文（古文）的意義、特色與演變概況；揭示學習古文的目的與教育作用；從《昭明文選》、《古文觀止》等古文總集中，擷取自先秦至東漢各朝代的著名古文篇章，尤其是富有教育意義的為教材，引導學生在課堂講解、研讀與小組討論，以培養學生對古文的認知，養成閱讀古文的興趣，充實教授古文的能力。

先修科目：沒有

**EDCB212 文言語法修辭教與學
TEACHING AND LEARNING OF THE GRAMMAR AND RHETORIC OF LITERARY CHINESE**

本科旨在切合澳門現行中學文言教學的內容和要求。教學內容以中學課程教學需要為導向，講授文言語法和修辭的基本知識，並注重培養學生講授文言語法和修辭知識的能力。文言修辭與文字、音韻、詞彙、語法、訓詁相關聯，故本科有助學生提高學生閱讀和欣賞古詩文的能力。

先修科目：沒有

EDCB221 歷代散文與教育 II CLASSICAL CHINESE PROSE AND ITS TEACHING II

本科旨在闡述中國歷代散文（古文）的朗讀技巧與研習方法；辨析古代散文與現代散文的區別；從《昭明文選》、《古文觀止》等古文總集中，擷取自魏晉六朝至明清各朝代的著名古文篇章，尤其是富有教育意義的為教材，引導學生在課堂施以範文講解、研讀與小組討論，以增進學生對古文的認知，提升研讀古文的興趣，增強教授古文的能力。

先修科目：沒有

EDCB222/EDEB220 教育社會學 SOCIOLOGY OF EDUCATION

This is an introductory course on the Sociology of Education. It provides a brief introduction to the basic sociological concepts and perspectives. By applying these concepts and perspectives, the course intends to let participants have a broad and profound understanding of Macao society and its educational system.

Pre-requisite: EDCB110/EDEB110

EDCB250/EDEB250 性別與教育 GENDER AND EDUCATION

This course aims to provide students with an overview of topics, controversies, and positions on the role of gender in education and to examine with students issues, research, theory and policy on gender and education from a historical, political and contemporary perspective. With reference to their personal experiences and observations, students will examine intersections of gender with class and ethnicity in different social mechanisms through which the patterns of educational inequality are changed or reproduced. Students will also discuss implications for gender research in school achievement, peer interaction and socialisation, teacher-student interactions, hidden curriculum, knowledge production and distribution in higher education, divisions in schooling across cultures and teaching as work. More generally, gender effects in socialisation and schooling are analysed for their implications for individuals, society and culture.

Prerequisite: None

EDCB251/EDEB251 媒體素養和公民教育 MEDIA LITERACY AND CITIZENSHIP EDUCATION

This course aims to develop the critical abilities that make for literate media consumers. The increasing pervasiveness of Western popular culture via all forms of media around the world has brought immense impacts on how we produce ourselves socially in relation to our own lived experiences and desires as well as on how these identities may be perceived by others in relation to their own practices of consumption. In this context, this course will consider the wider pedagogical implications of popular culture in terms of the production and distribution of media texts and how we consume and respond to them.

Prerequisite: None

EDCB252/EDEB252 培養具才華和創意的學習者：懂得是甚麼、為何、怎樣**NURTURING TALENTED AND CREATIVE LEARNERS: KNOW-WHAT, KNOW-WHY AND KNOW-HOW**

The course introduces structures, functions, power and plasticity of the human brain, emphasising the interplay between nature and nurture for the lifetime development of the human mind. Based on recent advances in biology, cognitive psychology, neuropsychology and anthropology, contemporary intelligence and creativity theories (e.g. theorists like Sternberg, Gardner, Csikszentmihalyi, amongst others) are then expounded. A century of assessment research on intelligence and creativity will be elucidated, highlighting the major paradigm shifts therein. Participants are empowered to design environments and activities undertaken within cultural contexts for nurturing talented and creative learners in the 21st century.

Prerequisite: None

EDCB253/EDEB253 中國啟蒙教育 ENLIGHTENED EARLY CHILDHOOD EDUCATION IN CHINA

本科旨在講解中國歷代啟蒙教育（兒童教育）的意義與時代作用；揭示歷代啟蒙教育的發展概況，介紹歷代著名啟蒙教材，如《三字經》、《百家姓》、《千字文》、《千家詩》、《弟子規》、《聲律啟蒙》等，引導學生研讀與討論，從而探討啟蒙教育的教學目標、教學理論、教學方法，藉以古為今用，推陳出新；並養成學生對啟蒙教育的認知與興趣，充實教授啟蒙教育的能力。

先修科目：沒有

EDCB254/EDEB254 中外教育史 HISTORY OF EDUCATION IN THE EAST AND THE WEST

This course aims to discuss the important events, educational thoughts and systems in the history of education in China and the West. The related political, social, economic and cultural contexts will be analysed for an interpretation of the background and development of each era and stage in history. This course will allow students to understand how educational activities evolved in history and to learn from the experiences and thoughts advocated by educators in the past.

Prerequisite: None

EDCB255/EDEB255 體育保健與運動按摩 HEALTH CARE AND MASSAGE IN PE AND SPORTS

This course, which combines medical health care with exercise science, offers the basic knowledge as well as the skills essential for the prevention, evaluation and treatment of common injuries in the care of physically active individuals. Topics such as physical measures, medical supervision in sports, hygiene in youth and females, prevention and treatment of sports injuries, sports massage and medical sports will be introduced. This class also emphasises hands-on experiences and the need for students to develop their practical skills. Upon completion of this course, students should be able to become familiar with the concepts and basic medical knowledge relevant to sports, to know how to prevent and treat common sports injuries and to apply what they have learnt in physical fitness and ways of recovery from exercise fatigue.

Prerequisite: None

EDCB260/EDEB260 青少年心理 PSYCHOLOGY OF ADOLESCENTS

This course aims to help educators understand the characteristics of adolescents from psychological points of view. It covers the following topics: the emergence of adolescence, classic and contemporary theories, physiological and sexual development, intellectual and cognitive development, self-concept and identity formation, emotional adjustment, moral development, peer and friendship group, socialised anxiety, views on work, life, marriage and family, and adolescent problems related to parenting, schooling and social change. Lectures, group discussions, reading assignments and research projects are employed to equip pre- and in-service teachers with professional insights into the psychological well-being of teenagers (aged 10 to 18, senior primary to high school years).

Prerequisite: None

EDCB261/EDEB261 青少年文化 YOUTH CULTURE

This course aims to provide students with a variety of perspectives on youth culture so that students could have a better understanding of not only activities of the youth but also how the youth and their activities are represented and thus perceived by the general public. Students will be engaged in debates over how youth culture is interpreted. How far could it be seen as part of national culture, although it seems peculiar to a particular age group of a nation? How far could youth culture be seen as a subculture? And, if so, in what ways should youth culture be regarded as deviance, mass culture,

resistance (or counter-culture), or a social movement? And how do capitalism and globalisation impact on youth culture? Relevant concepts and theories will provide students with insights into examining youth culture in Macau and evaluating existing Macau youth policies.

Prerequisite: None

EDCB262/EDEB262 教育評鑑 EDUCATIONAL EVALUATION

This course is designed to give a fundamental understanding of the major aspects of assessment in the classroom, in education and in society. It sets the stage for educators to develop and conduct assessment in practice. Topics include purposes and principles of assessment, planning the assessment process, choosing and developing appropriate tools. This course covers, but is not limited to, the following basic concepts: formative versus summative assessment, norm versus criteria reference, high versus low stake tests, objective versus subjective items, standard setting, item analysis, difficulty and discrimination index, reliability and validity, etc. After completion of the course, participants are expected to take reasonable steps to ensure that their tests are of sufficient quality to give useful results and for making correct interpretations.

Prerequisite: EDCB110/EDEB110

EDCB263/EDEB263/PYEB361 教育行政 EDUCATIONAL ADMINISTRATION

This course allows students to understand the basic concepts of educational administration. Students will study and discuss Macau educational acts and decrees. They will also learn the basic theories related to educational administration, such as theories with regard to motivation, leadership, communication and organizational decision-making. Attempts will be made to make this course related to the educational reality in Macau.

Pre-requisite: EDCB110/EDEB110/PYEB110

EDCB264 古籍導讀與教學 INTRODUCTION TO CLASSICAL WORKS AND ITS TEACHING

本科對四部（經、史、子、集）作綜合性的講述和介紹，選擇若干重要的古籍作進一步評析，增強學生閱讀古籍的基本知識，並教授學生如何把所學知識靈活運用在教學中，以便對將來教學實踐有幫助。

先修科目：沒有

EDCB265 寫作教學與中華文化 TEACHING WRITING AND CHINESE CULTURE

本科旨在協助學生了解進行寫作教學的基本原則和方法，認識與寫作教學有關的中華文化內涵，通過教導寫作與中華文化之關係，使學生明瞭如何提升寫作技巧和內容，為日後在中學教授中文課程作出準備。

先修科目：沒有

EDCB310/EDEB310/PPEB310/PYEB310 教育心理學 EDUCATIONAL PSYCHOLOGY

This course aims to give a systematic introduction to the main concerns in educational psychology, including human development, students' learning, learning motivation, instruction and evaluation, and individual differences. Also, this course will emphasise the application of the related knowledge in educational settings.

Pre-requisite: EDCB110/EDEB110/PPEB110/PYEB110

EDCB311/EDCB321 學科教學法I及II (中文) SUBJECT-BASED TEACHING METHODS I & II (CHINESE)

本課程旨在將理論與實踐結合，使學生增加和深化中文教學專業知識。掌握教學理論和方法，因應不同情況，採用適當方式，引導他人用心學習。

先修科目：沒有

EDCB312 詩詞曲賞析與教學 THE TEACHING OF CHINESE POETRY, LYRIC AND VERNACULAR SONGS

本科旨在講授中國古代韻文——詩、詞、曲——的意義、特點、形式與異同；以唐宋詩詞、元曲為主要教材；就作品的題材、意境、情韻、寫作技巧等詳加闡釋，引導學生賞析與研習；促使每個學生寫作詩、詞、曲各一首，並在課堂上演示，以收理論與實踐相結合之效，藉以培養學生教授詩、詞、曲的學養，以及日後擔任教師的教學能力。

先修科目：沒有

EDCB320/EDEB320 資訊科技融入中學教學 INTEGRATING IT INTO SECONDARY TEACHING AND LEARNING

The aim of this course is to equip the students with the latest theoretical knowledge in multimedia learning, practical skills on computer tools, and a critical understanding of the application and value of IT in teaching and learning so as to allow students to implement, integrate and manage IT in their actual classroom environment.

Prerequisite: None

EDCB322 中國思想與教育 HISTORY OF CHINESE THOUGHTS AND EDUCATION

本科旨在使學員掌握中國思想的基本特質和義理及其與教育的關係。教學重點包括：先秦儒家思想、墨子思想、法家思想、老莊哲學、兩漢思想、隋唐佛學和宋明理學。本科並著重探討如何把傳統中國思想經過批判的繼承與創造的詮釋，使之能與教育思潮進行檢討與反省。

先修科目：沒有

EDCB350 中學教室管理 CLASSROOM MANAGEMENT (SECONDARY)

This course is designed to give students a broad overview of classroom management, including its base in theory, application in practice and implication. At the theoretical level, topics include different approaches to class management, establishing effective rules and procedures and classroom management systems. At the application level, topics include managing individual student behaviour, managing behaviour in a variety of instructional formats and examining the causes of and solutions to disruptive and noncompliant behaviour and classroom management problems that are within the control of the classroom teacher. The goal of the course is to help students develop their own approach to build an inclusive, productive and well-structured learning environment conducive to high levels of student support and accomplishment.

Prerequisite: EDCB110 and EDCB310

EDCB351/EDEB351 特殊教育導論 INTRODUCTION TO SPECIAL EDUCATION

This course is designed to provide an introduction to the characteristics of children with special needs or disabilities. Emphasis will be put on several types of children with special needs—learning disabilities, emotional and behavioural disorders, attention deficit and hyperactivity, and mild mental disability. This course also provides some practical guidelines and practices on how to teach in integrated/inclusive classrooms.

Pre-requisite: EDCB110/EDEB110 and EDCB310/EDEB310

EDCB352/EDEB352 澳門教育政策與社會發展 EDUCATIONAL POLICY AND PRACTICE IN MACAU

This course aims to broaden and deepen students' understanding of the Macau education system from a policy study perspective. Students are provided with analytical tools to comprehend and examine educational policies and their implementation from the political transition period to the post-1999 era. The course begins with a brief historical background of Macau developments and the empirical analysis of policies will start from the 1991 Law 11/91/M and extend to the post-1999 Chief Executive Annual Policy Address.

Prerequisite: None

EDCB353/EDEB353 科舉與中國教育 CIVIL EXAMINATION AND TRADITIONAL EDUCATION IN CHINA

科舉制度是設立科目進行考試、用以選拔官吏的制度，實行共約一千三百年，對中國政治、經濟和社會各層面產生深刻的作用。到了清末，隨著西力東漸和國力不振的環境下，科舉制度終於被新式學堂所取代。學員在完成本課程後，對科舉與中國教育的緊密關係將能更全面地把握，並明瞭其對中國教育所造成的巨大影響。本課程亦就科舉制度與中國政治、社會流動、廢科舉興學堂的過程和影響予以深入探討，讓學員瞭解中國社會文化變遷的核心因素。

先修科目：沒有

EDCB354/EDEB354 中國戲劇與美育 CHINESE DRAMA AND AESTHETICS EDUCATION

本科擬從中國戲劇美學的基石——儼文化的猗猗美、英雄美和風俗美入手，廣泛涉及中國戲劇的和諧美、喜劇美、悲劇美、程式美、音樂美以及舞臺美。從優秀作品的美學鑒賞，到戲曲表演體制及美學體系等方面進行講述。通過本科的學習，使學生對中國文化、中國藝術的美育內涵有深入地瞭解，加深對中國戲曲巨大魅力的認識，從而提高他們的美育鑒賞水準和藝術評論的能力。

先修科目：沒有

EDCB355/EDEB355 我音樂：音樂、我、與社會 I MUSIC: MUSIC, ME, & THE SOCIETY

This course aims to provide an overview of the multi-functional role of music from the socio-cultural and psychological perspectives. The course content includes identifying, analysing and experiencing different forms of musical events and exploring issues related to education, entertainment, music instruments, performing groups, concerts, music & IT, music styles applied to different contexts, mood management and music business. The course will help students see the value and meaning of music in Macau as well as in other cultures.

Prerequisite: None

EDCB356 中國古代歷史教育 ANCIENT HISTORY TEACHING IN CHINA

本科以培養學員掌握中國古代傳授和傳播歷史知識和觀念的活動為重心。課程以中國歷史教育發展的興衰為主線，並就歷史教材與歷史讀物、門閥政治與歷史教育、科舉考試與歷史教育、蒙學教育與歷史教育等方面作出較深入的探索。在完成本課程後，學員將對歷史教育的價值與貢獻有更全面的認知。

先修科目：沒有

EDCB357 文史通論與閱讀教學 LITERATURE, HISTORY AND READING

本科旨在協助學生了解文史基本範疇相關知識與閱讀教學之關係，使學生明瞭閱讀教學之要點，認識如何在文史基礎上配合閱讀教學，為日後在中學教授中文課程作出準備。

先修科目：沒有

EDCB358 中國現當代文學作品與教學 MODERN AND CONTEMPORARY CHINESE LITERATURE AND ITS TEACHING

本科在於通過教學，使學生掌握中國現當代文學發展的過程；瞭解其間部分重要作家的創作概況，熟悉並掌握他們代表作的思想及藝術特色；要求學生通過分析評述，提高對現當代文學作品的評判和鑒賞能力，加深學生對中國優秀文化的認識和理解。本科主要教授中國現當代重要作家的著名作品。此外，並指導學生就該等作品，編寫教材，採用合適的教學法，以便日後在教學實踐中靈活正確運用。

先修科目：沒有

EDCB410/EDEB410 學校諮詢與輔導 SCHOOL COUNSELLING AND GUIDANCE

This course aims to introduce school counselling theories and classroom management techniques. It covers basic counselling knowledge and skills to facilitate the personal growth of teachers and their students. Furthermore, the course encourages teachers to practise their counselling skills within their school settings.

Pre-requisite: EDCB110/EDEB110

EDCB411 中學中文章法教學 TEACHING OF ORGANIZATION OF WRITING IN SECONDARY SCHOOL

本科旨在揭示中文章法的意義與特色；闡釋章法學的地位與價值，介紹各類章法：「正襯類章法」、「因果類章法」、「知覺類章法」、「空間類章法」、「虛實類章法」、「凡目類章法」等；說明中學中文章法教學之道，引導學生對各類章法論述、研讀與探討，以養成學生對中學中文章法教學的認知與興趣，充實教授中學中文章法的能力。

先修科目：沒有

EDCB420/EDEB420/PPEB420/PYEB420 教學實踐 SUPERVISED TEACHING AND SCHOOL EXPERIENCE

Placing student teachers in the actual classrooms of various Macau secondary schools for teaching practice and hands-on experience is an important component of teacher training and teacher education as well as a necessary step for them to develop from student teachers to frontline classroom teachers. There is regular and close supervision from FED supervisors, who will see to it that TP students demonstrate competence and efficiency to meet the needs of their pupils by applying what they have learned over the years. Capable and experienced teachers in these schools are appointed to help as tutors/mentors and work in close collaboration with FED lecturers to provide guidance and pastoral care. Through regular meetings, detailed discussions and assessment during the process, student teachers are expected to make observable progress.

Pre-requisite: None

EDCB421 論孟與教育 ANALECTS OF CONFUCIUS AND THE WORKS OF MENCIUS

本科旨在使學員把握論語與孟子的基本研究方法和義理。教學重點包括：孔孟的思辨方法、教育思想、人文精神、人性本質、生命理想及德性實踐。課程著重從論語與孟子的文獻中，擷取重要篇章，加以詮釋，抉發其深義，以使學員對孔孟的儒學思想和教育精神有如實的理解與真切的體驗。

先修科目：沒有

EDCB450/EDEB450 教育研究 EDUCATIONAL RESEARCH

The main aim of this course is to enable a qualified teacher to use, understand, analyze and evaluate research outcomes. The course includes: (1) the basics of educational research, (2) structure and procedures of education research, (3) research variables, (4) hypotheses and topics, (5) literature review, (6) on-line search, (7) sampling, (8) questionnaires, (9) correlation analyses, (10) interviews, (11) case studies, (12) evaluation of research reports, (13) educational research ethics, etc.

Pre-requisite: EDCB110/EDEB110

EDCB451/EDEB451/PYEB455 教師倫理與教師專業發展 TEACHER ETHICS AND TEACHER PROFESSIONAL DEVELOPMENT

The aim of this course is to prepare students to develop teachers' professional morality. After that, they can give their students 'whole-person' education by integrating teachers' instruction, their model and their environment. The experience and the development of teacher's professional morality are fully represented in the different relationships in their work, including facing themselves, their colleagues, students, students' parents and society. The content of this course includes learning different principles of teachers' professional ethics, and how to use and develop these theories reasonably in their teaching lives.

Pre-requisite: EDCB110/EDEB110/ PYEB110

EDCB452 中國教育史專題 TOPIC STUDIES IN THE HISTORY OF CHINESE EDUCATION

本科以培養學員掌握中國教育史各個主要領域的知識為主。課程以專題方式進行，主要包括儒家教育思想、官學制度、考試制度、書院與蒙學、西式教育的傳播及澳門教育史等專題的深入探討。在完成本課程後，學員當能較全面掌握中國教育發展的特徵和面貌。

先修科目：沒有

EDCB453 文學評論與教學 CHINESE LITERARY CRITICISM AND ITS TEACHING

本科旨在介紹中國文學的傳統批評理論和文學批評的目的、意義、方法，揭示現代的批評理論，培養學生就作家、作品、文學創作和文學現象加以評論的能力。此外，並指導學生就文學評論等議題，編寫教材，採用合適的教學法，以便日後在教學實踐中靈活正確運用。

先修科目：沒有

EDCB454 明清小說與教育 MING-QING FICTIONS AND ITS TEACHING

本科旨在讓學生通過閱讀、講解和分析，對明清小說的主要作品加深認識，為把小說作為教學材料運用做準備，相關的教學技巧的亦會講授，使學生能應付日後在中學教授中文課程之用。

先修科目：沒有

EDCB455 中國文化藝術與教育 CHINESE CULTURAL ARTS AND ITS TEACHING

本科設置的宗旨，在使學生在擔任中文教學時，能對其中涉及悠久的中國文化藝術有系統的了解，並培養其相關的鑒賞和研究能力。其中，與中國傳統文化藝術相關的課題，如繪畫、書法、音樂、舞蹈、建築、文學、哲學等方面，均全作較為深刻的討論，從而增強學員獨立思考、分析與講授的能力。

先修科目：沒有

EDEB111 INTRODUCTION TO LITERARY STUDIES I

The purpose of this course is to help students develop basic skills for understanding major literary genres and to increase their sensitivity to the language and devices used in literature. Students will be introduced to a basic critical vocabulary with which to examine a range of literary texts. The genres covered in this course include poetry, and short fiction.

Pre-requisite: None

EDEB121 INTRODUCTION TO LITERARY STUDIES II

The purpose of this course is to further develop reading and analytic skills for understanding extended works of prose and dramatic fiction. The course will build on the basic critical vocabulary introduced in ENGL124. The genres covered in this course include the novel and drama.

Pre-requisite: EDEB111

EDEB122 LANGUAGE LEARNING THEORIES AND ELT

This course provides an overview of the concepts, theories, and research in language acquisition with an emphasis on second language acquisition. Special attention is paid to the linking of theories with current practices in English language

teaching.
Prerequisite: None

EDEB123 DESCRIBING THE SOUNDS OF ENGLISH

This course studies the theory and techniques of descriptive linguistics as applied to the pronunciation of contemporary English. It addresses the basic questions of: What are the sounds of English, how are they produced and perceived, and how are they described? The course will introduce students to the pronunciation of different varieties of English and increase their sensitivity to their own pronunciation of English.
Pre-requisite: None

EDEB211/EDEB221 SUBJECT-BASED TEACHING METHODS I & II (ENGLISH)

It is so designed as to equip student teachers with the essentials of English language teaching and to develop their abilities to teach effectively at the secondary school level through reflecting upon theory and practice. It aims at familiarizing them with major ELT approaches, the techniques and strategies of integrated teaching and communicative skills, materials development and the use of multimedia aids and various resources to enrich, enliven and innovate teaching and learning.
Pre-requisite: None

EDEB212 SURVEY OF ENGLISH LITERATURE I

This course presents a chronological survey of works from major periods and genres of English literature. Literature from important periods will be studied in their historical context. The course will begin with an introduction to English literature in the medieval period and end with an introduction to the 18th century, and will include the study of Chaucer, English Renaissance dramatists, and Neo-classical poetry.
Pre-requisite: None

EDEB213 INTRODUCTION TO ENGLISH GRAMMAR

This course describes the syntax and morphology of modern Standard English. It introduces in an accessible way the necessary terminology and modes of analysis that students need in order to understand English structure, and it provides a firm foundation for further studies in linguistics.
Pre-requisite: None

EDEB222 SURVEY OF ENGLISH LITERATURE II

This course presents a chronological sampling of literature from major periods and genres of English literature, which will be studied in their historical context. The course will begin with the 18th century and continue to the end of the 19th century, covering topics that include Neo-classical satire, Romanticism, and writing in the Victorian period.
Pre-requisite: EDEB212

EDEB264 FOCUSED ENGLISH SKILLS FOR ELT TEACHERS: SPEAKING

This course is designed for FED students in the English stream and will cater to the needs of prospective English teachers in their professional lives, i.e. to read aloud teaching materials accurately and fluently, maintaining the interest of a second language learner audience and communicating meaning adequately in the process; to give lectures and produce spoken language with structures that are grammatical and generally adequate despite occasional errors; and to interact with peers in a group discussion, keeping the discussion focused and using conversational strategies effectively. There will be three focus areas in this course: (1) reading aloud English teaching materials including poems and prose passages; (2) giving short speeches or mini lectures such as recounting an experience or presenting arguments; and (3) engaging in professional interaction about content knowledge/subject matter knowledge. Students coming to this course will raise their awareness to the common English pronunciation problems of Cantonese speakers. They will also be given models of accurate pronunciation and ample practice opportunities to improve their English pronunciation, interaction strategies and oral communication skills.
Prerequisite: EDEB211 and EDEB221 or with instructor's permission

EDEB265 ENGLISH LINGUISTICS AND LITERATURE AS RESOURCES FOR TEACHERS

This course is not a course on linguistics analysis; nor is it a course on criticism of literary studies. In other words, this course is not intended to teach students how to study literature – either from the stylistics or the literary critical viewpoint. Rather, this is a course for prospective teachers and aims to introduce to them the possibilities of using literary texts as a resource for stimulating language activities. The course will examine the justification for using literary texts in language classrooms and will provide samples of classroom materials which are designed for engaging students interactively with the given literary texts, with fellow students and/or with the teacher, in the performance of tasks involving these texts. While this course aims at enriching student teachers' knowledge in the use of literary materials in language classrooms, it will also provide them with hands-on experience in the design of tasks for language teaching and learning.
Prerequisite: EDEB211 and EDEB221 or with instructor's permission

EDEB266 TEACHING READING AND WRITING

This course will examine the theoretical bases for reading and writing in the light of current perceptions of the processes and strategies involved in these skills and will explore recent developments and models of second language reading and writing as well as the pedagogical impact of these developments. The course will also integrate theory and practice and discuss how to teach English reading and writing lessons in Macau classrooms.
Prerequisite: EDEB211 and EDEB221

EDEB267 TEACHING SPEAKING AND LISTENING

This course will review the theories and approaches related to speaking and listening and analyses the different processes and strategies that speakers and hearers use as they speak or listen. The course will also examine the pedagogical approaches to teaching speaking and listening and the design and planning of speaking and listening lessons in Macau classrooms.
Prerequisite: EDEB211 and EDEB221

EDEB268 TEACHING GRAMMAR AND VOCABULARY

This course will examine relationships between grammar, meaning and context and the role of vocabulary knowledge in language learning. It will also identify issues and problems in teaching and learning English grammar and vocabulary and discuss how to plan and teach grammar and vocabulary effectively in Macau classrooms. In addition, strategies for helping learners gain control over systems of English grammar as well as learner strategies in acquiring English vocabulary will be explored.

Prerequisite: EDEB211 and EDEB221

EDEB311 SOCIO-CULTURAL ASPECTS OF ELT

This course deals with the social, political, and cultural dimensions of English language teaching. It aims at developing among the students an understanding of the socio-cultural situatedness of ELT pedagogy and associated political dynamics, the international spreading of English and its impacts, and the role of intercultural competence in successful language learning. Topics to be covered include language identity, World English, globalisation and localisation related to ELT, and sociolinguistic relativity and causes of miscommunication.

Prerequisite: None

EDEB321 CREATIVE IDEAS IN THE EFL/ESL CLASSROOM

This course will first review the different stages of an English language lesson and the steps and procedures for teaching the four skills, grammar and vocabulary. While building upon students' existing knowledge of language teaching and introducing to them categories and samples of creative activities that encourage ESL/EFL learners' fluency, flexibility, elaboration and originality, the course aims at cultivating in students the concept of creativity in language teaching and developing their competence in designing English lessons with creative ideas and fun but without sacrificing the important element of meaningful practice of target language items. The course will provide students with hands-on experience in planning and conducting creative English lessons through the development of teaching plans and micro-teaching.

Prerequisite: EDEB211 and EDEB221

EDEB322 LANGUAGE AND MEANING

This course is concerned with one of the fundamental issues in linguistics: meaning. It looks at meanings of individual words and the meanings they engender in combination (semantics), as well as how language-users construct meaning in communication (pragmatics). Fundamental concepts and issues introduced may include sense and reference, semantic features, lexical relations, polysemy, non/literality, presupposition, influence, implicature, speech acts and politeness.

Prerequisite: None

EDEB350 CLASSROOM MANAGEMENT (SECONDARY)

This course is designed to give students a broad overview of classroom management, including its base in theory, application in practice and implication. At the theoretical level, topics include different approaches to class management, establishing effective rules and procedures and classroom management systems. At the application level, topics include managing individual student behaviour, managing behaviour in a variety of instructional formats and examining the causes of and solutions to disruptive and noncompliant behaviour and classroom management problems that are within the control of the classroom teacher. The goal of the course is to help students develop their own approach to build an inclusive, productive and well-structured learning environment conducive to high levels of student support and accomplishment.

Prerequisite: EDEB110 and EDEB310

EDEB411 PRACTICAL CLASSROOM ENGLISH

This course focuses on the choice of right words and phrases and the appropriate techniques for teachers when they use English to give instructions, ask questions, make comments, give disciplinary intervention in the classroom and encourage their learners to respond in English. The course also examines the English classroom as a communicative context with regular patterns of communication that are negotiated between teachers and students and helps teachers develop ways of promoting more effective patterns of discourse in the English classroom. In particular, issues related to the medium of instruction and the code-switching phenomenon in Macau classrooms will be discussed.

Prerequisite: None

EDEB452 LANGUAGE TESTING

The main aims of this course are to consider the principles and practice of assessment for language learning and to enable course participants to apply essential understanding and techniques to construct and evaluate testing instruments for their particular teaching purposes. Upon completion of the course, course participants should be able to: determine how learning and testing may be integrated; follow standard procedures in constructing a testing instrument; use appropriate techniques to test learners' language skills; analyse and interpret test scores for students, teachers and parents; and judge the validity, reliability, practicality and impact of a test.

Prerequisite: EDEB211 and EDEB221

PPEB120 PHILOSOPHY OF EDUCATION

This course is designed to show the important influence of educational philosophy on different philosophical theories. All educators and educational investigators should be equipped with a knowledge base of Western and Chinese educational philosophies in order to seek a correct educational orientation. The course will cover topics such as the definition of philosophy and education, their relationships and their basic problems, with a systematic analysis, comparison and evaluation of various schools of educational philosophies, studying their advantages and disadvantages and their influences on teaching. Other topics include analysis of educational concepts, critique of educational philosophies, examination of classical educational doctrines, evaluation of modern educational problems and reflection on one's educational beliefs and aspirations.

Prerequisite: None

PPEB121 EARLY CHILDHOOD DEVELOPMENT

The aim of this course is to instil into teachers, who work with 0 to 8-year-old children, a thorough understanding of the developmental changes at this stage of life, the role that genetics play in human development, as well as some common childhood disorders. Different theories of child development are introduced to provide students with an all-rounded knowledge of children's united growth which lays the foundation for effective teaching and learning.
Prerequisite: None

PPEB210 SOCIOLOGY OF EDUCATION

This is an introductory course on the Sociology of Education. It provides a brief introduction to the basic sociological concepts and perspectives. By applying these concepts and perspectives, the course intends to let participants have a broad and profound understanding of Macao society and its educational system.

Prerequisite: PPEB110

PPEB211 TEACHING OF FUNDAMENTAL MOTOR MOVEMENT

The course introduces the correlative theories on the development of physical and motor movement in early childhood, to know the foundations for Active Lifestyles for student teacher to develop child's movement skills and gross motor learning and to plan movement activities and lessons for fun. The primary purpose of the course is enable students to apply principles of child motor development and learning to lesson planning. It will prepare students to teach, organize and manage lessons, make groups, demonstrate skills (locomotors, gymnastics and rhythmic movement) and give feedback to young children to enhance their motor skill and movement experience.

Pre-requisite: EDPE101

PPEB220 THEORIES OF CURRICULUM AND INSTRUCTION

Theories of Curriculum and Instruction provide students with basic principles of modern curriculum and instruction. It aims to improve their professionalism and teaching efficiency in all their working processes, put basic principles into creative practices, set clear objectives, select and organize contents, implement and evaluate curriculums under the guidance of ideal educational values and goals. It also helps to effect leadership in the teaching process, create an exciting learning situation and deeply involve the students in teacher-student interactions with the support of new instruction models, strategies and methods.

Prerequisite: PPEB110

PPEB221 幼稚園中文教學 TEACHING OF CHINESE IN KINDERGARTEN

本課程旨在讓學員認識語文學習對幼兒發展的重要性，掌握中文語文活動的教學原理、方法及發展趨勢，並學會根據幼兒不同發展階段的需要，提供不同的語言教育。期望學員能透過本課程學會如何引起幼兒對學習語文的興趣，以及全面提高幼兒聽、說、讀、寫的能力。此外，學員亦能學會評鑑幼兒語文教學之模式，及檢視如何利用不同的資源及方法鷹架幼兒語文能力的發展。

Prerequisite: None

PPEB222 TEACHING OF MUSIC ACTIVITIES I

The course introduces students to the knowledge of musical development and fundamental skills of nurturing young children with music. Through music appreciation and various activities in music, students will learn the theories, principles and education rules of music. Famous musicians and music educators of the 20th century will also be introduced. This course helps students to widen their understanding of music, raise their musical abilities, and enhance their skills in managing music activities in kindergartens.

Pre-requisite: students have to pass the basic skill of musicianship assessment before enrollment

PPEB223 TEACHING OF ART ACTIVITIES I

The course will introduce the knowledge of children's artistic development and provides an overview of the various art-works of children from different age groups. It helps to develop students' capacity to integrate art across the curriculum, to facilitate children's artistic expression, and to conduct evaluation and assessment. While the course is in the lecture-tutorial mode, students' participation in discussion and presentation will be encouraged and workshops will be carried out to enhance their understanding of art practice and art activities in kindergarten. Artist talks and gallery/site visits will also be part of the course.

Prerequisite: None

PPEB224 CHILDREN'S MATHEMATICAL ACTIVITIES

Mathematics has always been taken seriously by educational institutions as an important discipline. In fact, mathematical concepts exist in our everyday life. The aim of this course is to introduce teaching principles and strategies that facilitate 0 to 8-year-old children's mastery of some basic mathematical concepts. It also attempts to illustrate ways to make children understand the relationship amongst simple mathematical concepts and the connection of these concepts to their everyday experiences as well as ways to foster children's interest in mathematical thinking through integrating mathematics into an overall design in curriculum and instruction.

Prerequisite: None

PPEB250 INTEGRATED CREATIVE ACTIVITIES

This course will examine the theories of creative thinking, provide students with a deeper and broader view of creative activities and enable them to put theory into practice in their everyday life and teaching. The content will also cover the development of children's creativity, the essential elements in creative thinking, and applications of the principles of teaching for creative thinking, expression and experiences.

Prerequisite: None

PPEB251 PLAYING AND LEARNING

Human beings were born with the ability to play, an instinctive competence which facilitates our learning. Children's play is often mistaken as time-wasting and indulgence and its role in learning has often been neglected. The aim of this course is to re-shape students' understanding of play, especially free-play, and to highlight the value of play in children's growth and its functions in learning. It will also explore different types of play and analyse their roles in children's learning and

development from various perspectives, re-state teachers' role in children's play, as well as demonstrate the relationship among play, personality and the realisation of children's potentials.

Prerequisite: None

PPEB252 PARENTAL EDUCATION AND INVOLVEMENT

Family plays an important role in the child's upbringing. The course aims to explore how we, as teachers, can empower the parents to play a role in the positive development of the child. Emphasis is put on possibilities and strategies concerning the implementation of parent education and parental involvement in the local school context. Topics include: integrated approach to building staff-parent partnerships, family relationship and personal growth, disciplining methods and principles, parental ethics, development and implementation of parent education, and family-school collaboration.

Prerequisite: None

PPEB253 CREATIVE PHYSICAL ACTIVITIES AND EQUIPMENT FOR YOUNG CHILDREN

The course aims to introduce the tried-and-true guidelines for students to explore child body awareness and physical movement with four basic movement concepts (body, space, effort, relationship) and their elements. It will also help students to create and modify equipment for enriching the learning environment. Students will learn how to apply the methods of integrated learning in lesson planning and teaching/learning activities.

Prerequisite: None

PPEB311 SOCIAL AND CULTURAL ACTIVITIES

Based on the best practices in early childhood education, the course aims to help students understand the importance of the social domain in the kindergarten curriculum. Through this course, students will learn the designing of social and cultural activities, study the teaching and learning strategies in this area, and master the methods of helping young children develop social awareness and social competence in a democratic, culturally diverse and interdependent world.

Prerequisite: None

PPEB312 HEALTH AND CARE IN EARLY CHILDHOOD

Childhood is the earliest, most vulnerable and difficult nursing stage and also the most important stage in our lives. This course will equip students with the knowledge and understanding of children's growth, health and care, the foundation of the pre-primary education field. It will introduce how to provide children with appropriate nutrition and how to handle their common diseases, injury and safety. Topics include principles of children's growth, their behavioural and emotional characteristics, analysis of the positive and negative factors and ways to provide a safe and healthy environment for growing children. Students can apply the theories and knowledge in kindergartens to promote health education and to work towards the goal of holistic health and care.

Pre-requisite: FEDG211

PPEB313 TEACHING OF ART ACTIVITIES II

The course provides students with an opportunity to understand visual arts education in both local and global contexts. While studying curriculum design and the diverse modes of teaching in visual arts (interactive, integrative and interdisciplinary), students will also be led to examine the role of visual arts in education and given an opportunity to design a curriculum in visual arts education.

Prerequisite: None

PPEB314 ENGLISH LANGUAGE ACTIVITIES

The course prepares students to teach English to pre-primary pupils who learn English as a second or foreign language (ESL/EFL), emphasising the practice of various language activities: games, songs, nursery rhymes, role plays, story-telling and worksheets, etc. In addition, students learn to design, adopt and adapt different teaching materials and teaching aids when planning an English lesson for pre-primary ESL/EFL pupils. Furthermore, students will have a better understanding of various language teaching approaches and their underlying theories. The course also includes important topics such as classroom English, lesson planning and teaching pronunciation.

Prerequisite: None

PPEB315 EDUCATIONAL TECHNOLOGY IN EARLY CHILDHOOD SETTINGS

This course aims at enhancing teacher trainees' understanding of various applications of educational technology, so as to empower them to use technology effectively in kindergartens. It provides an overview of the latest development of technology for teaching and learning, with an emphasis on its use with appropriate instructional designs in the early childhood education (ECE). To achieve this end, this course will examine how to integrate instructional methodology with contemporary educational technology within ECE learning contexts and how to fulfill the objectives of the ECE curriculum based on instructional models. After completion of the course, teacher trainees will be able to integrate educational technology in supporting young learners' development in different disciplinary areas, resolve issues arising in this process and take up related challenges with confidence and efficacy.

Prerequisite: None

PPEB320 ASSESSING YOUNG CHILDREN

To enable students a comprehensive understanding of young children's learning and development, this course provides an overview of educational assessment and introduces the principles and practices of authentic assessment which is highly valued in early childhood education. It explains why and how infants and young children should be assessed, discusses the contexts for authentic assessments, illustrates multiple strategies for collecting information on children's learning and development, and highlights the importance of conducting systematic observations and recording in the information collecting process. Through this course, students will understand how to utilize assessment information in improving the curriculum and teaching quality and facilitating parent-school partnership. Assessment practices will be linked to the local curriculum guideline which also underpins authentic assessment as the principal means of assessing young children. Ethical issues in this area will also be discussed.

Prerequisite: None

PPEB321 INTEGRATED GENERAL STUDIES AND SCIENTIFIC ACTIVITIES

This course aims to introduce the content of general studies and scientific activities and the concept that young children's living activities are undertaken in the natural and social environment. The course will help students introduce to children the different operational methods such as observation, comparison, communication, measurement, inference and forecast. The design of scientific games in this course will encourage children to take an active role in constructing scientific concepts and cognition. The content of this course includes (1) objective, meaning, affective manner and value of scientific inquiry; (2) objects; (3) exercise and energy; (4) living things; (5) the earth; (6) living things and the environment and (7) life education.

Prerequisite: None

PPEB322 MOVEMENT PROGRAMME FOR YOUNG CHILDREN

This course helps students to understand the importance of movement for the different aspects (physical, affective and cognitive) of child development. The course gives equal stress on theories and practice. It enables student to put knowledge into practice through engaging in group discussion, planning movement station lessons, and designing movement programmes.

Pre-requisite: PPEB211

PPEB323 LANGUAGE AND LITERATURE FOR CHILDREN

This course elucidates issues in language acquisition and children literature to teacher trainees. Course participants are empowered to enhance the literacy development of children through literature. Topics covered include: (1) major theories of language acquisition; (2) definition, typology, values and educational functions of children literature; (3) relationships between language and literature for children; (4) application of children literature in language teaching.

Prerequisite: None

PPEB324 INCLUSIVE EDUCATION

This course aims at introducing students to the development, rationale and principles of inclusive education as a foundation of the field, and to the policy, general situation and resources with regard to inclusive education in Macau. The course provides guidelines on various elements of inclusive lessons and classes. The content includes child learning and classroom settings, programme and lesson planning, and assessment and classroom management of children with special needs or behavior problems. In addition, to guard students from work-stress as future inclusive teachers, the course will help them develop observation and analysis skills to note differences among young children and to understand children with disabilities in the inclusive classroom. It will also provide students with opportunities to learn how to enrich learning environment with educational resources for special needs and how to work effectively with professional groups and parents.

Pre-requisite: PPEB121

PPEB350 EDUCATIONAL EVALUATION

This course seeks to introduce basic assessment notions and methodologies to students so that they can make use of the assessment feedback and interpretation professionally to improve teaching and learning, to monitor children's all-round development and report their progress up to the age of late childhood (0-8 years). Guided by contemporary theories of learning and human development, course participants are empowered to design and administer assessment tools that tie in well with the course objectives and classroom processes of the early childhood education curriculum. At the end of the course, teachers should be conversant with the "know-what", "know-how", and "know-why" of formative curriculum-embedded assessment, and feel competent to apply the knowledge and skills acquired in authentic home and schooling contexts.

Prerequisite: PPEB110

PPEB351 TEACHING DRAMA TO YOUNG CHILDREN

Drama helps preschoolers to learn through expressing themselves through movement, music, arts and language, and it is a good way to enhance creative learning. This course will guide and encourage students to help and lead children in exploring and improvising non-structured dramas. It will teach them how to choose books and themes, develop imagination and social skills of children, inspire their creative expressions, and organize and structure activities for their learning in the practical teaching environment.

Prerequisite: None

PPEB352 EDUCATION PLANNING AND CREATION OF LEARNING ENVIRONMENT

This course aims to help students understand that a planned and diversified learning environment can allow children to choose their preferred environment according to curriculum, interests and abilities. Through specific and creative experiments, this course helps students understand how children learn and behave in different kinds of environments. From the planning of learning areas, placement and execution, students will be able to arrange appropriate learning environments for children, to have good interactions with them and to arouse their interest in learning. The content will also cover suggestions for different teaching activities and the link between curriculum planning and the design of learning environment.

Prerequisite: None

PPEB353 TEACHING OF ART ACTIVITIES III

The course aims to enhance the sensibility, imagination and creativity of students. They will be encouraged to observe and respect children's knowledge and understanding gained through daily life experience, and they learn how to inspire children in their creation of art work.

Prerequisite: PPEB313

PPEB354 INTEGRATED LEARNING

This course will focus on the integrated learning approach to curriculum design and development for pre-schools and explore the meanings, functions, teaching processes, designs, practices and evaluations related to the integration education. Rather than stressing basic concepts and theoretical foundation, this course will emphasise the application of theories in practice, with the aim to train students to become effective teachers who can apply principles of integrated

learning to lesson planning.

Prerequisite: None

PPEB355 DIGITAL RESOURCES APPLICATION IN KINDERGARTEN

In order to help teacher trainees in building digital portfolios and teaching resources, this course deals with the basic principles and practice of designing and developing multimedia and web-based resources based on the latest development in information technology.

Prerequisite: None

PPEB410 GUIDANCE AND COUNSELLING IN EARLY CHILDHOOD

This course aims at equipping students of early childhood education with the knowledge of guidance and counselling so that they are able to take up the role of teacher-counsellors. This course will introduce classical and contemporary theories in guidance and counselling and include five components to facilitate the united growth of young children: basic concepts of guidance and counselling, personal growth, personal and social education, problem behaviours in early childhood, and counselling techniques. Various approaches of working with families in guiding children's behaviours are also covered.

Pre-requisite: PPEB310

PPEB411 ENGLISH CHILDREN'S LITERATURE

This course aims at equipping students with the knowledge of English children's literature so that they can enrich and enhance the teaching and learning of English in pre-primary ESL/EFL (English as a second or foreign language) classrooms. The course explores the pedagogical, linguistic and cultural values of English children's literature, emphasizing the application of various literary works, including fables, rhymes, poems and fairy tales, in pre-primary ESL/EFL classrooms. The evaluation and the selection of literary works are also discussed.

Prerequisite: None

PPEB412 TEACHING OF MUSIC ACTIVITIES II

The course aims at equipping students with knowledge and teaching skills in music education in kindergarten. Through studying the various modern musicians' theories and features of different teaching methods, students will master the basic principles and methods in teaching children music. The course will also help to strengthen students' musical knowledge and interests.

Pre-requisite: PPEB222

PPRB450 EARLY CHILDHOOD EDUCATION RESEARCH

This course is designed to familiarise students with the role and procedure of research in early childhood education. Major skills and techniques useful in educational inquiry and research will also be covered. Topics included, but not limited to, are as follows: basic principles and procedures in early childhood education research (Qualitative and Quantitative); the nature of social and educational research; ethical issues in educational research; formulation of research problem(s); procedure in conducting research, research designs and methods; methods of data collection, sampling designs, survey research, questionnaire design, in-depth interview, documentation, and report writing. Furthermore, the basic concepts of narrative inquiries and statistical skills in data analysis will also be included.

Prerequisite: None

PPEB451 SPECIAL EDUCATION

This course helps students to understand more about children with special needs. It introduces the definitions, causes, characteristic and categories of the disabilities in early childhood. The content will also cover instructional theories, principles and tactics, assistance methods, IEP and programme planning, assessment for children with special needs, , and positive attitude. Through this course, students will be able to help these children more effectively with early intervention or special education programmes to assist their potential developments. In addition, students will be taught how to make use of the pre-school and school-age special education measures and services in Macau in order to help those children and their families, and they will understand the effects and importance of parents' and professional teams' participation in the education of children who have special needs.

Prerequisite: PPEB110 and PPEB310

PPEB452 TEACHING OF MUSIC ACTIVITIES III

The course aims to introduce music to students through modern techniques such as information technology. It will help to cultivate their musical ability and creativity, widen their knowledge and interest in arts, and make them feel comfortable with music through fun and games, in order to stimulate children's creative expressions.

Prerequisite: PPEB412

PPEB453 TEACHERS' ETHICS AND PROFESSIONAL DEVELOPMENT

The aim of this course is to help students to develop the ethics and morality of the teaching profession. It will prepare them to provide their students with 'whole-person' education by integrating teachers' instruction, their model and their environment. The experience and the development of teacher's professional morality are fully represented in the different relationships in their work, including facing themselves, their colleagues, students, students' parents and society. The content of this course includes different principles of teachers' professional ethics and applications of these theories in teaching.

Prerequisite: None

PYEB110 INTRODUCTION TO EDUCATION

The objective of this course is to enable participants to understand the general concepts and theories of Education, the relationship between theories and practices, to let them think about the involvement in practical environment (Primary School etc.), to analysis the concepts on philosophies and sciences in Education and to distinguish the current teaching method in primary education, in which, to deepen the student's thought on ideas of Education. The topics as below: the development of education, the goals and contents of Education, the process, the principles and method of teaching, the development of Curriculum, the relationship between students and teachers, the relationship between primary schools,

parents and social education, the work of class teachers and extra-curriculum activities.

Pre-requisite: None

PYEB111 中國語文基礎 FOUNDATION OF CHINESE

本科旨在深化學員的中國語文知識為主。教學內容以小學課程教學的需要為導向，即字、詞、句的講解，以及語法和修辭的分析。內容除語文基礎知識外，並培養學生的語文思維能力，藉以提高學員的語文表達能力。

先修科目：沒有

PYEB120 PHILOSOPHY OF EDUCATION

The course introduces the uses of philosophizing in educational inquiry. It aims to enhance the student's reasoning skills and to deepen their thoughts in educational ideas and ideals. Topics include: analysis of educational concepts, critique of educational philosophies, examination of classical educational doctrines, evaluation of modern educational problems, and reflection of one's educational beliefs and aspirations.

Pre-requisite: None

PYEB121 THEORIES OF CURRICULUM & INSTRUCTION

The theoretical framework of the course exhibits as a matrix: micro and macro, theory and practice. The basic concepts, theories and models in curriculum design and development will be introduced. Students will have the opportunity to understand the trend of curriculum development, and to either design a micro curriculum or critique an existing curriculum design.

Pre-requisite: PYEB110

PYEB150 PHYSICAL EDUCATION I

The Teaching of physical activities contains five main areas: track and field, gymnastics, ball games, dancing and swimming. However, the requirements in playing these adult sports are too difficult for young children because of its competing nature. In fact, such aspects are not suitable for the junior primary students. As such, physical education should systematically develop, modify and consolidated the techniques and tactics components through the learning of fundamental exercises. The main features of this course, is to help students to understand the developments of human movements, and application of those concepts to games and activities design. This course includes the teaching of object and body manipulative skills and rhythmic studies.

Pre-requisite: None

PYEB151 MUSIC I

The course helps students to learn and master the fundamental knowledge and skills of music. Through the music appreciation and various activities in music, they will learn the theories, principles and education rules of music. Famous musicians and educators or 20th century will be introduced. It helps to widen students' understanding of music, raising their musical ability, strengthening their interest for life and activating their arts potential enrichment.

Pre-requisite: None

PYEB152 VISUAL ARTS I

The course aims to provide students opportunity to explore different material and tools for artistic creation. It will encourage students to exploit new material and tools from their surroundings for their creation. Contents of this course include investigating traditional as well as unconventional materials and tools used for artistic activities.

Pre-requisite: None

PYEB153 APPRECIATION AND TEACHING OF CHILDREN LITERATURE

The purpose of this course is to discuss various forms of children literature such as fairy tales, stories and fables, and the connections between children literature and literature education. Students will learn how to write different forms of children literature and improve their writing skills. At the same time, student teachers will learn how to evaluate the qualities of literatures and become prepared to teach children literary appreciation or engage in creating children literature.

Pre-requisite: None

PYEB154 THINKING AND LEARNING WITH IT

This course aims to help teacher trainees to create a classroom community in which learning dialogues take place through computers or other associated resources. To achieve this goal, teacher trainees are first expected to review critically the role of computers in enhancing thinking skills and facilitating students' learning. Evidence from a decade of research is drawn to show how children are engaged in talking and thinking together with computers.

Prerequisite: None

PYEB155 傳統文化與教學 TEACHING OF TRADITIONAL CHINESE CULTURE

中國是一個幅員遼闊、歷史悠久、文化發達的國家。傳統文化內容豐富，並充分融合於思想、風俗、生活習慣、思維模式各個領域之中。本課程旨在協助學員透徹了解中華傳統文化的特質與內容，目的在提升在語文課堂中涉及與傳統文化相關的眾多方面的知識時，學員能達致高水平的教學效果。

先修科目：沒有

PYEB156 國情教育的教與學 TEACHING AND LEARNING NATIONAL EDUCATION

本課程分兩部分，理論與實踐並重。一方面重點介紹現代中國歷史及社會概況，包括新中國成立經過，現今政治、社會、經濟情形，澳門特區基本法等；另一方面通過一些課程設計的例子，說明如何把有關材料運用在社會科教育上。

先修科目：沒有

PYEB 157 WAYS OF SEEING: DRAWING AS INQUIRY

Through diverse drawing workshops both in-doors and out-doors, this course introduces students to the various modes and approaches of drawing, from the traditional techniques to some experimental practices. While getting acquainted

with different material approaches in drawing, the students will also explore drawing as ways of seeing, building conceptual thinking and visual mapping.

Prerequisite: None

PYEB 158 QUALITY PHYSICAL EDUCATION

Quality Physical Education (QPE) refers to the effective use of various components to achieve the educational prospects, health conditions and active lifestyle of pupils. The course aims at helping students to understand the nature of QPE, importance of current issues and strategies to enhance the introduction of QPE in school. Student will also have chances to study the theoretical background and develop analytical understanding on related issues such as gender and choice of physical activities, opportunities of learning and behavioral pattern in sport activities. Demonstrations and experimental works in teaching are used as main methods in learning and assisted by cases studies to prepare students with abilities for quality teaching in physical education.

Prerequisite: None

PYEB210 SOCIOLOGY OF EDUCATION

The course aims to introduce participants basic sociological concepts, theories, research methods and themes in the field of Sociology of Education. Through different settings such as reading, study group, discussion and investigation, participants are able to analyze educational phenomenon in a critical manner and to bring improvements in the concerned areas.

Pre-requisite: PYEB110

PYEB211 SUBJECT-BASED TEACHING METHODS (PRIMARY MATHEMATICS) I

This course focuses on empowering course participants to write teachable lesson plans and programmes of study pertaining to two key domains of primary mathematics curriculum: (1) numbers and algebra; and (2) statistics and probabilities. Due attention is paid on professional treatment of a number of issues that have a bearing on successful meaningful student learning: (1) educational objectives in accordance with key stages of secondary education; (2) mathematical literacy, competencies, and thinking underpinning various pedagogic and instructional models; (3) history of development of mathematics in different cultures; (4) psychology of mathematics learning, particularly for Chinese learners and different genders; (5) use of calculators and ICT tools for mathematics education; and (6) good balance of assessment of learning and assessment for learning.

Prerequisite: PYEB110

PYEB212 THEORIES AND PRINCIPLES FOR TEACHING PRIMARY MATHEMATICS

This course seeks to elucidate the evolution of mathematics education in the 20th century and for the 21st century. Past influential reforms in mathematics education affecting mathematics curriculum and instruction are highlighted. Course participants are expected to be conversant with the basic theories and principles of mathematics education and to understand the salient characteristics of Chinese learners. They will be familiarized with the course rationale, course objectives, content standards, as well as teaching and evaluation recommendations in accordance with contemporary mathematics curriculum standards. Mathematics textbooks and resources commonly used in Macao primary classrooms are also exemplified.

Prerequisite: PYEB110

PYEB220 CHILD DEVELOPMENT

In individual's interpersonal relationship, thinking and learning abilities, as well as conceptions of the world of children in middle childhood (primary school children) are in many ways different from those in their early childhood. This course aims at enhancing in- and pre-service primary school teachers' understanding of this age group, in particular, their psychological changes. The contents will cover objective analyses of the different aspects illustrated with the research directions of this life period.

Pre-requisite: None

PYEB 221 SUBJECT-BASED TEACHING METHODS (PRIMARY MATHEMATICS) II

This course focuses on empowering course participants to write teachable lesson plans and programmes of study pertaining to two key domains of primary mathematics curriculum: (1) basic two-dimensional and three-dimensional geometry; and (2) special topics of mathematical investigations. Due attention is paid on professional treatment of a number of issues that have a bearing on successful meaningful student learning: (1) educational objectives in accordance with key stages of primary education; (2) mathematical literacy, competencies, and thinking underpinning various pedagogic and instructional models; (3) history of development of mathematics in different cultures; (4) psychology of mathematics learning, particularly for Chinese learners and different genders; (5) use of calculators and ICT tools for mathematics education; and (6) good balance of assessment of learning and assessment for learning.

Pre-requisite: PYEB211

PYEB250 PHYSICAL EDUCATION II

This programme emphasizes the learning of how to teach athletic and ball games to primary school students. The developmental sequence of athletic activities and selected ball skills will be introduced. Relevant background knowledge, functional concepts, rules and regulations and safety measures are also covered to assist the teaching and learning of different sport activities. The programme includes the learning of selected sport activities in athletics, basketball, volleyball and badminton and table tennis.

Pre-requisite: PYEB150

PYEB251 MUSIC II

The course aims at the raising of mastery skills and knowledge in music. The course will make use of various modern musicians' theories, features and teaching methods as living examples for students to master the basic principles and methods in teaching of children's music. The course will also help to strengthen students' musical knowledge and interests. The programme will serve as the foundation for Music III.

Pre-requisite: PYEB151

PYEB252 VISUAL ARTS II

The course aims to familiarize students with the languages of traditional and contemporary Chinese and Western visual arts. Besides studying how Chinese and Western visual arts languages being used in masterpieces, students will also practice how to manipulate these visual languages in their artistic activities.

Pre-requisite: PYEB152

PYEB253 小學中文教學 TEACHING METHOD OF CHINESE IN PRIMARY EDUCATION

中文教學是集教育學、心理學、文章學、語言學、美學等相關學科研究成果於一體的綜合性極強的應用型課程。課程包括中文教學論、中文教材教法研究、中文課堂教學技能等多方面的內容。另課程內容尚包括介紹中文教學改革資訊，期間學員能不斷更新中文教學觀念，瞭解如何依據教學目標，選擇適當的教學法，教導小學語文學科知識與學習策略。本課程以微格教學的方法，讓學員學習鑽研教材，處理教材的方法和技能，掌握小學語文教學的常規，切實提高語文教學能力。

先修科目: PYEB110

PYEB254 TEACHING OF ENGLISH I

The course prepares students to teach English to primary students who learn English as a second or foreign language. Students will develop their understanding of important issues related to the teaching of English as a second/foreign language as well as develop their practical abilities in planning, delivering and evaluating English language instruction. Major topics include Classroom Language, Classroom Management, Lesson Planning and Teaching Vocabulary.

Pre-requisite: None

PYEB255 INTEGRATED ACTIVITY TEACHING AND DESIGN FOR PRIMARY EDUCATION

The course aims to introduce participants the rationale of Integrated Activity Teaching and Design for Primary Education. At the end of the course, participants are able to plan and design integrated curriculum and activity according to the ability, interest and necessity of primary students. As there are differences in adapting the integrated concept in Chinese and English teaching and if there is an available of suitable colleagues, students will be divided in groups of Chinese and English in programme learning.

Pre-requisite: None

PYEB256 ELEMENTARY MATHEMATICS TEACHING & RESEARCH

All over the world, students encounter persistent difficulties (both cognitive and affective) in their learning of some elementary mathematic topics (e.g. fractions, negative numbers, solving word problems, mathematical proofs). Course participants will be studying empirical research reports of relevant teaching experiments that aim to help students overcome these learning difficulties. Under the instructor's guidance, course participants are expected to devise or revise lesson plans in light of research findings and to engage in reflective action research so as to relate theory with practice.

Prerequisite: PYEB110

PYEB257 LINGUISTICS AND TEACHING ENGLISH AS A SECOND LANGUAGE

This course introduces to student ESL (English as a Second Language) teachers a scientific study of the English language. It aims at equipping them with a better understanding of the semantic, syntactic morphological and phonological aspects of English before they teach it to Chinese ESL learners. The course focuses on the application of linguistic knowledge, including phonology, semantics, lexicology, morphology and syntax, in teaching English as a second language. In addition, references and comparisons will be drawn with Cantonese and Putonghua, which will enable them to explore, understand and hence solve Chinese learners' difficulties in learning English as a second/foreign language. With a view to enhancing the teaching and learning in ESL classrooms, student teachers learn to develop teaching techniques and materials that meet students' needs and interests.

Prerequisite: None

PYEB311 INTEGRATING IT INTO PRIMARY TEACHING AND LEARNING

In a knowledge society, teachers need an understanding of how to exploit fully the potential of information technology (IT) in supporting and enhancing their teaching across the curriculum. This course aims to prepare primary teacher trainees to use IT appropriately and effectively to support students' learning in the core subjects. It covers all issues related to planning, assessing and recording with IT throughout the primary education.

Prerequisite: None

PYEB320 TEACHING OF SOCIAL STUDIES IN PRIMARY SCHOOLS

This course aims to equip student teachers with the knowledge of Macao society and skills of teaching so that they will become competent teachers. It includes the objectives of subject curriculum, content design, teaching procedures, teaching activities and assessment. Arrangements will focus on learning innovations, with emphasis on process and methods, encouraging independent thinking and cooperative learning and inquiry learning. Learning activities include visits, group discussions, interviews and investigations so that student teacher will develop the ability to design and arrange various extracurricular activities and optimize teaching and learning environment.

Pre-requisite: PYEB110

PYEB350 小學中文科課程與教材 CHINESE CURRICULUM AND COURSE MATERIALS IN PRIMARY EDUCATION

本課程以促進學員對小學語文科的課程內容、傳統語文教學、本澳及鄰近地區的語文課程發展暨未來改革有全面瞭解，並就小學語文課程所涉及的教材與教學資料的編輯與選擇加以全面掌握，以提升學員對小學語文課程之認識及專業修養，並進一步提高其教學水平。

先修科目: PYEB110

PYEB351 TEACHING OF ENGLISH II

The course aims to enhance students' knowledge of teaching English to primary ESL/EFL students. It consists of lectures, workshops and microteaching, which help students master the basic techniques in the teaching of the four language skills--listening, speaking, reading and writing. It also includes topics such as Teaching Grammar, Teaching Pronunciation and Language Testing.

Pre-requisite: PYEB254

PYEB352 GUIDED CHINESE READING AND WRITING

This course is designed to equip pre-service student teachers with the knowledge and skills of Chinese teaching. The contents include an overview of the development of reading and writing instruction theories, a variety of teaching strategies, and also the appreciation and creation of different texts. In addition, integrated reading and writing activities will also be arranged to facilitate teaching and learning. The main teaching strategies applied in this course are instruction, modeling, cooperative learning, investigative learning and problem based learning.

Pre-requisite: None

PYEB353 TEACHING OF ENGLISH III

This course is designed to familiarize trainee teachers with some salient principles for the teaching of the four English language skills listening, speaking, reading and writing in the primary classes. The English language curricular in school will be examined. Ways for selecting appropriate teaching materials and exercises will be focused. Tutorial activities include hands-on practice in planning integrated language skill units at a macro level and in planning lessons at a micro level. Lectures, class activities such as group discussion and case studies, as well as project work will be employed to achieve the aims of the course.

Pre-requisite: PYEB351

PYEB354 TEACHING OF PE

The course aims at helping students to understand the important role of physical education in the process of education, and help them to teach physical education skillfully, competently and confidently at primary level. The contents of the course include the understanding of foundation and principles of physical education, curriculum planning and evaluation; Safety issue, development of health-related fitness and various teaching methods in physical education.

Pre-requisite: None

PYEB355 TEACHING OF MUSIC

The course aims at the development of students' knowledge in teaching music in primary school. It includes the widening of students' musical knowledge and their skills in music teaching. The course will help students to understand the basic theory and pieces analyses, music arranging and creating, teaching plan and lessons designing. Making use of the information technology, the learning of music and subjects can be combined together; and raising the students' interests, learning and teaching skills, in order to cultivate teachers' and children's art potential and talents. As a result, the quality of their spiritual and practical life will be raised.

Pre-requisite: None

PYEB356 TEACHING OF VISUAL ARTS

The course introduces the issues, concepts, philosophy and content of visual arts teaching to assist students in developing confidence, knowledge, and skills in the theory and practice of teaching visual arts. The emphasis of the course is on visual arts curriculum and lesson planning, motivational strategies, art classroom management, and alternative assessment in visual arts.

Students will participate in extensive field experiences exploring methods and materials appropriate to the teaching of visual arts in a primary school setting.

The course content includes topics on "principles of visual arts teaching," "methods of visual arts teaching," "visual arts teaching: planning and design," "visual arts teaching: classroom organization and management," "evaluation of visual arts teaching," etc.

Pre-requisite: None

PYEB357 SPECIAL EDUCATION

This course is designed to provide an introduction to the characteristics of children with special needs or disabilities. Emphasis will be put on several types of children with special needs—learning disabilities, emotional and behavioural disorders, attention deficit and hyperactivity, and mild mental disability. This course also provides some practical guidelines and practices on how to teach in integrated/inclusive classrooms.

Pre-requisite: PYEB110 and PYEB310

PYEB358 CLASSROOM MANAGEMENT

This course aims to introduce classroom communication and classroom management, so that primary teachers are able to effectively manage their classrooms and to facilitate their teaching and student's learning. Topics in classroom management are developing the relationship among teachers, students and parents, understanding the learning needs of students, increasing students' learning motivation, setting rules, discipline management, problem behaviors management, and helping individual student self-manage.

Pre-requisite: PYEB110 and PYEB310

PYEB359 EDUCATION RESEARCH

This course is designed to familiarize students with the role and procedure of research in education. Major skills and techniques useful in education inquiry and research will also be covered. Topics included, but not limited to, are as follows: basic principles & procedures in education research; the nature of social and education research; ethical issues in educational research; formulation of research problem(s); procedure in conducting research, research designs & methods; methods of data collection, sampling designs, survey research, questionnaire design, in-depth interview, documentation, and report writing. Further, basic concepts and statistical skills in data analysis will also be included such as type of data, one-way frequency, cross-tabulation, mean, median, standard deviation, etc.

Pre-requisite: PYEB110

PYEB360 RESEARCH IN MATHEMATICS EDUCATION

Mathematics educators world-wide formulate research questions to solve perplexing problems and address salient issues in mathematics education to meet the needs of the students. For instance, lesson studies are conducted to help

build up a learning organization and professional learning communities in schools. Course participants will be studying empirical research reports that address some of these contemporary issues. Under the guidance of their instructor, they are expected to write a review of an issue in mathematics education with implications for teaching and learning in everyday mathematics classrooms.

Prerequisite: PYEB256

PYEB 362 ADVANCED PIANO ACCOMPANIMENT FOR GENERAL MUSIC CLASSROOM

The course aims at further training and enhancing students' piano accompaniment skills in teaching elementary students in the music classroom. Topics will include helping students integrate musical elements articulately into the practical skills of piano accompaniment for the music class. Moreover, discussion and interpretation of sensitivity of piano practice to various forms of children music, such as nursery rhymes, marching, and general children music will also be included in the class. The course will require students to learn several pieces of children music and practically perform these pieces for their classmates and teachers.

Pre-requisite: PYEB151 and PYEB251

PYEB410 SCHOOL COUNSELLING AND GUIDANCE

This course aims to equip primary teachers with the knowledge of guidance and counseling, so that they are able to take up the roles as teacher-counselors. Five components are included to facilitate the united growth of students: basic concepts of guidance and counseling, personal growth, personal and social education, problem behavior in middle childhood, counseling theories and counseling techniques.

Pre-requisite: None

PYEB 411 TEACHING OF SCIENCE AND TECHNOLOGY

This course aims to train participants' skills and abilities in teaching science and technology in primary schools so as to make professional preparations for teaching primary science (natural studies). This course will help participants know the features and tendencies of contemporary primary science education, learn the concepts, theories, and methods of science and technology teaching, and recognize current situations and existing problems in primary science (natural studies) teaching in Macau. The content of this course includes the nature of science and technology, the curriculum of primary science, processes and methods of scientific inquiry, processes and methods of technological design, and teaching design and assessment of science and technology in primary science. Lectures and demonstration, group discussion, hands-on activities, technological design, and microteaching will be adopted as teaching methods in this course.

Prerequisite: None

PYEB450 詩文選讀與教學 GUIDED READING AND TEACHING OF CHINESE PROSE AND POETRY

本課程簡介詩詞、散文的特點、發展，選讀不同時代的一些重要詩文作品，以提高學生對中國文學作品的欣賞、理解、分析能力，並加強對中國文化的認同感，並教授學生如何蒐集相關的詩文材料，編寫教材，選用適當的教學法，以便將來能在教學實踐中靈活正確運用。

先修科目：沒有

PYEB451 CLASSROOM INSTRUCTION IN ENGLISH

The course offers intensive work and instruction in developing oral skills for the primary teacher trainees. The objectives aim at helping them develop an awareness of various features of accurate pronunciation and good voice quality of English and improving the articulation of English including rhythm, stress, and intonation as well as nonverbal skills such as gestures and vocal tones. Coursework includes tasks such as instructing, explaining, questioning and responding in the primary classroom.

Prerequisite: None

PYEB452 VISUAL ARTS III

The course aims to enhance sensibility, imagination and creativity of the students. Students are encouraged to enrich their knowledge from their daily life and to concern themselves with their surroundings. While reexamining their daily life experience, students will learn how to get inspiration for their art works from their surroundings and community etc.

Pre-requisite: PYEB252

PYEB453 PHYSICAL EDUCATION III

The course aims to help students to understand the functions of human body through the study of sport psychology, kinesiology and biomechanics. The course will focus on the relationship between complex human movement structure and sports training. The students are expected to create training method in sports and physical education. Simple experiments will be conducted. It helps students to understand the importance of every human body movement to the developments of physical education and sports.

Pre-requisite: PYEB250

PYEB454 MUSIC III – ORFF/KODALY MUSIC TEACHING METHODS

This course provides student teachers with advanced study of music teaching methodologies in the general music classroom, with the main focus on applications of the internationally well-known Orff Music Method and Kodaly Music Method. Moreover, the course will cover music learning theories combined with appropriate lesson planning for the music class. Students taking this course will have a concrete understanding of how to conduct and teach a music class at the elementary level. Furthermore, different music textbooks and materials will also be analyzed and discussed in this course.

Pre-requisite: PYEB151 and PYEB251