

===== Course Description =====

BIKA113 EDUCATIONAL EVALUATION

Teachers need to be effective planner of course programmes. In order to provide a relevant and coherent sequence of teaching for the learners, teachers need to understand the principles and practice of instructional objectives and management of classroom teaching/learning evaluation. The coverage is fairly broad, ranging from the functions, forms, instruments, design and to the report and analysis of measurement and evaluation at the classroom level. In addition, teachers will be encouraged to evaluate critically the current curriculum development so as to prepare them in a better position to participate in the development in the future.

Pre-requisite: None

BIKA114 PARENT EDUCATION

With the rapid changes in the urban society, the function and values of parent education are receiving more and more attention. Recent research in social sciences also shows that parenting styles have significant influence on the integrated growth of children. The target group of parent education is teachers and parents who are trained to grab the meaning, values and methods of parent education. Parent education is a humanistic and love-oriented subject. It aims at training parents to learn how to establish intimate parent-child relationship, create harmonious family atmosphere, how to express their emotion properly, love others, set up good living habits and form healthy personality. Meanwhile, through the close communication and cooperation between teachers and parents, the physical, psychological and social lives of children and adolescents can be developed positively.

Pre-requisite: None

BIKA115 TEACHING OF INTEGRATED AND CREATIVE THINKING

The structure of this course is built upon the belief that creativity is not owned by just a few individuals; rather, such an ability can be enhanced by means of proper guidance. This course focuses on updating kindergarten teachers with creative teaching techniques applicable to early childhood education. Upon completion of this course, students should be able to know how to make use of questioning techniques in order to make children think more flexibly; how to help children understand complicated matters through simplified steps; how to increase and maintain children's motivation in learning; how to strengthen children's problem-solving skills; how to guide children to think more critically and scientifically.

Pre-requisite: None

BIKA116 THEMATIC APPROACH IN EDUCATION

The course presents an approach to thematic teaching and learning. The approach will provide opportunities not only for the development in children's intellectual or cognitive growth but also for the encouragement of healthy, social, emotional, physical development. It allows adequate time and opportunity for children to express themselves freely through various integrated subject activities. Experiences should be developed to help children improve their skills in problem solving, thinking, reasoning, and creating.

Pre-requisite: None

BIKA117 CHILD HYGIENE

The hygiene for the children is the subject to study how to protect children and promote health of the developing children. This course aims at introducing systematically knowledge of hygiene, such as characteristics of child physiology dissection, mental hygiene, nutrition, prevention of disease, health education and evaluation, first aids and nursing. Children aged from 0-7 are the target for subject study, and students are required to master the fundamental theories and techniques of the hygiene for the children.

Pre-requisite: None

BIKA119 CHILDREN'S ART AND CREATION

This course will provide a theoretical and practical approach to art educational needs of preschool children. Subject content will include different conceptions of children's artistic development; children's art interpretation and appreciation; the relationship between art, perception, imagination and creativity; curriculum design; teaching strategies.

Pre-requisite: None

BIKA120 INFORMATION TECHNOLOGY EDUCATION

This course aims at helping students understand the importance of information technology education, as well as ways of developing information technology in Macau schools. Teachers are empowered on: Education about Information Technology, Education through Information Technology, and Education for Information Technology.

Pre-requisite: None

BIKB112 CHINESE LANGUAGE II

In suggesting that pre-school education should enable young children to grow comprehensively in terms of physical, intellectual, moral and aesthetic education, this course provides the anticipated educators of aesthetic education for young children with the essential knowledge and techniques in literature and arts. By helping the students become more accomplished in Chinese literature and enriching their knowledge about Chinese culture, the course lays a sound foundation for the anticipated educators to foster young children's aesthetic feeling, understanding and creation in the future.

Pre-requisite: None

BIKB113 ENGLISH LANGUAGE II

This is an English course for advanced English as a Second Language learners. The course mainly consists of thematic-based activities which help students develop their competence in the four language skills – listening, speaking, reading and writing. In addition, various language activities are employed in the course – debates, speeches,

role-plays, interviews, discussion, poetry reading, song-listening, newspaper reading, letter writing. Discussion will be arranged to explore how to enhance students' knowledge in English grammar and its application.
Pre-requisite: None

BIKB114 MATHEMATICS II

This course introduces chiefly the fundamental concept and property of function, series and progression, mathematical induction, the limit of series, vectors, complex numbers, permutation and combination and the binomial theorem. This course highlights the students' quality in mathematics so that students' cognitive thinking can be developed through the training. It will enhance students' essential understanding of the course, especially the summarizing process of mathematical concepts and principles, the abstraction process of mathematical relation, and the accumulating process of the investigation of the way thinking about problem solving. And it will help students lay a solid foundation in mathematics study.

Pre-requisite: None

BIKB124 PUTONGHUA II

This course is designed to help students get a good command of the "Chinese Phonetic Alphabet", the efficient tool for Putonghua speaking. It performs a thorough study of the basic knowledge of Putonghua, and emphasizes the application of this knowledge, i.e., speaking, which provides a consistent progress in speaking skill, and independent study skill of Putonghua.

Pre-requisite: None

BIKY202/BIPY202 DISSERTATION

A study of basic knowledge and methods of educational research is based on the investigation and analysis of the experience of educational practice by the students. Students will be supervised by the assigned teacher to learn how to combine the theory and practice in implementing educational research.

Pre-requisite: None

BIPA113 EDUCATIONAL EVALUATION

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Pre-requisite: None

BIPA114 PARENT EDUCATION

With the rapid changes in the urban society, the function and values of parent education are receiving more and more attention. Recent research in social sciences also shows that parenting styles have significant influence on the integrated growth of children. The target group of parent education is teachers and parents who are trained to grab the meaning, values and methods of parent education. Parent education is a humanistic and love-oriented subject. It is aiming at training parents to learn how to establish intimate parent-child relationship, create harmonious family atmosphere, how to express their emotion properly, love others, set up good living habits and form healthy personality. Meanwhile, through the close communication and cooperation between teachers and parents, the physical, psychological and social lives of children and adolescents can be developed positively.

Pre-requisite: None

BIPA118/BIKA118 ISSUES IN EDUCATION

The course aims at broadening the minds of student-teachers. Through the study of pertinent educational issues relevant to the Macau community, student-teachers can build up their professionalism and teaching conducts. Along with case studies and talks, they are required to review at both the macro-and micro-levels on local and international education policy, curriculum, schools, teacher development and the student body in order to uplift the quality of education.

Pre-requisite: None

BIPA119 CHILDREN'S ART AND DESIGN

This course aims to explore the children's artistic development and the art educational needs of primary school children. Subject matter will include introduction of different conceptions of children's artistic development; analysis of the children's artworks; the role of perception, imagination and creation in art practices; curriculum design and evaluation.

Pre-requisite: None

BIPA120 INFORMATION TECHNOLOGY EDUCATION

This course aims at helping students understand the importance of information technology education, as well as ways of developing information technology in Macau schools. Teachers are empowered on: Education about Information Technology, Education through Information Technology, and Education for Information Technology.

Pre-requisite: None

BIPA214 TEACHING OF CHINESE LANGUAGE II

Aiming at a comprehensive improvement in the teaching of Chinese, the course performs a thorough study, and certain applications of modern Chinese grammar. Taking the formulation and implementation of goal of teaching as its study objectives, it provides the students with basic principles and methods of Chinese teaching emphasizing the connection with the junior secondary Chinese teaching.

Pre-requisite: None

BIPA215 TEACHING OF ENGLISH LANGUAGE II

The course aims at enhancing students' knowledge of teaching English at the primary level. It also introduces secondary English teaching methodology, emphasizing the smooth transition from primary to secondary language learning. The course consists of lectures, workshops and micro-teaching, which help students understand the basic principles and acquire the basic techniques in the teaching of the four language skills, teaching grammar, language testing and

communicative language teaching.
Pre-requisite: None

BIPA216 TEACHING OF MATHEMATICS II

The mathematical pedagogy is the means or the whole suite of method adapted by teachers and students in order to realize, and accomplish the mission of teaching and learning. It includes the teaching methodology and the methods of learning. This curriculum introduces chiefly the initial teaching of mathematics and explains how to practice the concept of teaching of mathematics. It also refers to the cultivation of student's ability of calculation, constructive design of the revision lessons of mathematics, and the connection with the junior secondary mathematics teaching. In the process of teaching and learning, it will also associate with the related contents of the curriculum to proceed with the teaching practice and observation of teaching practice.

Pre-requisite: None

BIPB107 INTEGRATED SUBJECT (HEALTH, SCIENCE AND SOCIAL STUDY)

The course is designed to provide an introduction to Integrated Subject for students who have little previous experience of it and to reinforce students with the subject matter foundation. Thus the coverage of subject matter is fairly broad and exploratory, although there is also a strong practical element involving the students in conducting their teaching material tailoring and teaching material collection.

Pre-requisite: None

BIPB108 TEACHING OF HISTORY AND GEOGRAPHY

The objectives of the course are to introduce the development and the teaching methods of primary history and geography. Aims and objectives, contents of the primary history and geography curricular, as well as the processes and the abilities of children in learning history and geography are examined. Basic concepts and the main teaching points are drawn from the local, Chinese and the Western contexts, and these concepts will be explicated in detail.

Pre-requisite: None

BIPB109 ART AND DESIGN

This course approached mainly from productive and critical perspective. Students are encouraged to experience art from first-hand experience. A number of projects are designed to help students understand art by covering various skills, methods and techniques associated with certain areas of arts. The content of art appreciation includes analyzing, interpreting, describing and evaluating the masterpieces.

Pre-requisite: None

BIPB110 MUSIC

This course aims to help student-teachers get good command of music knowledge, abilities, skills, teaching methods, creative abilities and to combine music teaching with an all round development of morality, intelligence, physique, social study and aesthetics to develop children as a whole. Through listening, music movement, creative activities and integrating music learning, students are encouraged to apply efficient methods to correspond with the needs of education reform in Macau.

Pre-requisite: None

BIPB111 PHYSICAL EDUCATION

The aim of the course is to explain the importance of promoting health in physical education and to get to know physical activities, popular events of sports and the body. This course includes the following concepts: Physical Fitness, basic principle and theories of physical education, safety rule and first aids, and sports medicines. The course combines the theory with the practice.

Pre-requisite: None

BIPY104/BIKY104 SUPERVISED TEACHING PRACTICE

Practicum aims to reinforce student-teachers to put modern teaching theories, methodologies, technologies and skills into daily teaching. Apart from making self development in daily teaching, student-teachers will be supervised by various subject lecturers regularly. In addition, peer group teaching observation will be introduced so that student-teachers can share and learn from others apart from lectures. The purpose of the introduction of peer group teaching observation is two folds. It can help student-teachers improve their styles of teaching as well as to build the spirit of sharing among teachers.

Pre-requisite: None

DPRE034 CHILDREN DRAMA AND CREATIVITY

Drama proceeds through different forms, which is called "Educational Theatre". It has about 60-70 years history in America and British and it had developed different distinguishing features according to the needs of each region. Normally, Educational Theatre appears in the following forms:

1. An educational drama, which was designed by a professional theatrical company with a specific purpose, was brought to schools and communities.
2. Designed by drama teachers, a creative drama teaching activity that is produces according to the students' own developments.
3. Drama teaching activities designed by teachers and combined with subjects' application.

Students can learn the applied knowledge of dramas and theatre arts as foundation through workshops. This course will introduce many educational drama methods, and discuss the feasibility in practical teaching environment.

Pre-requisite: None

DPRE035 GUIDANCE AND COUNSELING IN EARLY CHILDHOOD

This course aims to equip pre-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 early

childhood, counseling theories and counseling techniques.

Pre-requisite: None

DPRE100/DPRI100 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

DPRE101/DPRI101 EDUCATIONAL PSYCHOLOGY

This course aims to introduce how students learn and how teachers teach, so that teachers are able to integrate the findings of Educational Psychology in their teaching of various disciplines. Three main components are included: learners, learning, and teaching. Topics in learners are developmental theories and teaching, student characteristics and teaching, individual differences. Topics in learning are learning theories, learning motivation. Topics in teaching are instructional design, instructional models.

Pre-requisite: None

DPRE102 EARLY CHILDHOOD DEVELOPMENT

The aim of this course is to instill in- and pre-service teachers who work with 0-8 year-old children a thorough understanding of the physical and psychological changes in this period of growth and development, the role that genetics play in human development as well as some common childhood disorders.

Pre-requisite: None

DPRE103 LEARNING TECHNOLOGY FOR EARLY CHILDHOOD EDUCATION I (INTRODUCTION)

This course, aiming to enhance students' understanding of various issues and applications of learning technology so that they can use information technology in early childhood education effectively, provides an overview of contemporary technology for learning including information technology, with emphasis on relating learning technology to instructional design in education studies. It examines the current methodologies and issues in integrating information technology in teaching and learning contexts, the role and challenge of information technology in early childhood education and the use of instructional models in applying information technology to teaching and learning activities.

Pre-requisite: None

DPRE104 SPEAKING AND LISTENING IN ENGLISH

The course aims at developing students' English oral communication skills. Students are involved in various tasks, including speech, discussion, debate, story-telling and role-play, which help to improve their speaking skills. In addition, a wide range of authentic materials, such as movies, songs and TV news reports, are used in listening practice that enhances students' listening comprehension skills.

Pre-requisite: None

DPRE105/DPRI208 MATHEMATICS

The course aims at the introduction of elementary mathematics knowledge. The main contents include theories of primary mathematics, sets, equations solution, basic concept and calculations of line and row etc. Students can further develop the mastery skills on the basic concepts and foundation abilities of mathematics.

Pre-requisite: None

DPRE200 中文語文活動 / CHINESE LANGUAGE ACTIVITIES

本課程旨在使學員認識語文學習對幼兒發展的重要性，掌握語文活動的教學方法及發展趨勢，並學會根據兒童不同發展階段的需要，提供不同的語言教育和訓練。期望學員能透過本課程學會如何引起學前兒童對學習語文的興趣，以及全面提高學前兒童聽、說、讀、寫的能力。

先修科目: 沒有

DPRE201 PHYSICAL EDUCATION I –TEACHING OF MOVEMENT EXERCISES

The course aims to introduce the correlative theories on development of physical and movement in Early Childhood, and to know the methods for analysis and evaluation of movement through practice. The course will emphasize both theories and practices, and also will guide the participants to discuss the topics of Movement Education through the practical class works on movement exploring, creative dance and game for Early Childhood Education.

Pre-requisite: None

DPRE202 LANGUAGE AND LITERATURE FOR CHILDREN

This course introduces the issues of language acquisition and children literature to students. Students are expected to enhance the literacy development of children through literature. Topics covered include major theories of language acquisition, its relationship between language and literature, children literature's definition, typology, educational functions and value, characteristics of children literature and its application in teaching.

Pre-requisite: None

DPRE204 CHILDREN'S MATHEMATICAL WORLD

Mathematics has always been taken seriously by educational institutions as an important discipline. In fact, mathematical concepts exist even in our everyday life. The aim of this course is to introduce those teaching principles and strategies that can facilitate 0 to 8 year-old children to master some basic mathematical concepts. It also attempts to help children understand the relationship between those simple mathematical concepts and their everyday

experiences by exploring ways to bring together these experiences and mathematical concepts that exist in them. Another objective of this course is to foster children's interest in mathematical thinking through integrating mathematics in the overall teaching plans.

Pre-requisite: None

DPRE205 AMUSING SCIENCE EDUCATION FOR KIDS

This is one of the components of Integrated Subjects. The objective of this course is to provide participants a profound subject matter foundation. The contents of this course include (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 environment and (7) life education.

Pre-requisite: None

DPRE206 CHILDREN'S HYGIENE AND NUTRITION STUDY

Childhood is the youngest, weakest, most difficult nursing stage and also the most important stage in our lives. Adequate and appropriate nutrition is an important element to the children's growing. This subject will take children's growing and appropriate nutrition as foundations; and take children's common diseases, diseases caused by nutrition disorderliness, clinical health care and nursing measures as the contents. Therefore, students could detect what kind of diseases the children might have through the observations, analysis of the children's daily lives, behaviors and emotional characteristics. Students could use the theories and knowledge, to start and promote hygienic education in schools.

Pre-requisite: None

DPRE207/DPRI306 EDUCATIONAL EVALUATION

This course explicates kinds, functions, qualities (i.e. test reliability, test validity, item difficulty, item discrimination), and developments of educational measurement and evaluation in different subject areas. It explores general principles, methods and procedures in the design of educational tests and inventories, as well as developments of the associated norms and standards. Apart from achievement tests, the course covers topics like worksheets, intelligence and personality assessment, and measurement and evaluation in areas such as moral, political and physical education. Both theory and practice are emphasized, with efforts made to conform to the characteristics and societal cultural conditions of the learners.

Pre-requisite: None

DPRE209 ENGLISH LANGUAGE ACTIVITIES I

The course prepares students to teach English to pre-primary pupils who learn English as a second or foreign language, emphasizing 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/or adapt different teaching materials and teaching aids when planning an English lesson for pre-primary ESL/EFL pupils. The course also includes important topics such as Classroom English, Lesson Planning and Teaching Pronunciation.

Pre-requisite: None

DPRE210 ENGLISH LANGUAGE ACTIVITIES II

The course prepares students to teach English to pre-primary pupils who learn English as a second or foreign language, emphasizing the importance of smooth transition from pre-primary to primary English language learning. In addition, students have a better understanding of various language teaching approaches and their underlying theories. Students will also have more sharing through Micro-teaching and workshops.

Pre-requisite: DPRE209

DPRE211 LEARNING TECHNOLOGY & EARLY CHILDHOOD EDUCATION II: APPLICATION & ISSUES

This course, aiming to equip students with the basic principles and skills in designing and developing teaching materials by adopting traditional and computerized approaches, emphasizes applications of technology in education in the school context. Topics include the selecting, editing and producing of suitable learning materials, and the understanding and use of multimedia to improve teaching quality in early childhood education contexts. Lectures, group discussions, projects and site visits are arranged to facilitate learning.

Pre-requisite: DPRE103

DPRE212 THE DESIGN OF TEACHING PLANS AND LEARNING ENVIRONMENT

To put theory into practice in early childhood education, it requires not only an excellent curriculum but also an appropriate learning environment which should facilitate the implementation of both teaching and learning. A 'traditional' learning environment can restrict teachers' teaching thus inhibition children's learning. This course aims at enhancing kindergarten teachers' understanding of the environmental factors of a school setting, the interrelationship between these factors and teaching activities, children's characteristics in learning, and the basic conditions required for creating a viable learning environment. In order to maximize the functions of a learning environment, the contents will also cover suggestions for different teaching activities and stress the link between curriculum planning and designs of a learning environment.

Pre-requisite: None

DPRE300 PHYSICAL EDUCATION II – SKILLS DEVELOPMENT AND PHYSICAL ACTIVITIES

The course will base on the concepts of information processing in Cognitive Psychology. Participants will learn the information processing, the principle of practical application and influence of movement performance through the study of simple experiment. Topics include motor skill and motor learning, motor control, memory and information processing. Discussion on effective teaching such as feedback, learning transfer, organization and application for practice and modified games will be included.

Pre-requisite: DPRE201

DPRE301 THE TEACHING OF PHYSICAL PLAY

This course helps students to understand different movement theories, the importance of physical activities in relation to

children's growing, and skills of teaching. Students will have the opportunity to learn appropriate teaching principles and apply such method for teaching physical activities, class design and game practice. The course stresses equally on theories and practices. Thus, students are expected to work in groups, discuss, evaluate and make self-examination. The course contains the learning of different development stages of children, conditions and motives of learning different movement activities. Students will learn how to apply the methods of integrated learning in curriculum design and activities teaching.

Pre-requisite: None

DPRE302 INTEGRATED ACTIVITY TEACHING AND DESIGN FOR CHILDREN

The course aims to introduce participants the rationale of Integrated Activity Teaching and Design for children. 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 young children.

Pre-requisite: None

DPRE303 ART ACTIVITIES IN KINDERGARTEN

The course aims to encourage students to examine the rationale of art activities for pre-primary school children in different perspectives. It also helps students to build up ability to design appropriate art activities for preschool children. Contents include the role art activities in kindergarten education, developmental stages of preschool children's drawing, and curriculum design for art activities in kindergartens.

Pre-requisite: None

DPRE304 INTEGRATED LEARNING

This course emphasis on the continue study of the Pre-School Curriculums Design and Development course. The former course stresses on the study of theories foundation and basic concepts. This course will emphasize on the application of the theories to practices. The aim is to help students to have effective teaching in class. The target of this course is to explore the meanings, functions, teaching processes, designs, practices and evaluations of the integration education.

Pre-requisite: None

DPRE305 PLAY AND LEARNING

Human beings are born with the ability to play, an instinctive talent which facilitates our learning. Children's play is often mistaken as time-wasting and indulgent. It's role in learning has often been neglected. The aim of this course is to enrich in- and pre-service teachers' understanding of play, especially free-play, and highlight the value of play in children's growth and its functions in learning. The contents will explore the different types of play, analyze its role in children's learning from different perspectives, inspire teachers of how to establish their role(s) in children's play, as well as delineate the relationship between play, personality and the realization of children's potential.

Pre-requisite: None

DPRE306 INTEGRATED CREATIVE ACTIVITIES

This course will analyze the theories of creative thinking from a historical and cultural perspective so as to provide students with a deeper and broader comprehension of such theories while applying them to their everyday life and teaching. The contents will also cover an understanding of the development of children's creativity, the essential elements in creative thinking, and the application of the principles of teaching for creative thinking.

Pre-requisite: None

DPRE307 CURRICULUM DESIGN AND DEVELOPMENT OF EARLY CHILDHOOD

The course introduces the basic concepts and theories in curriculum design and development of early childhood education. Students can have the opportunity to understand the trend of curriculum development. Topics such as modern curriculum theories, curriculum models and design, education issues and evaluation will be discussed.

Pre-requisite: None

DPRE308 PARENTAL EDUCATION

Family plays an important role in the child's upbringing. The course aims to explore how we, as teachers, can empower the parents to become a factor for positive development of the child. Emphasis is put on possibilities and strategies concerning the implementation of Parent Education in local school context. Topics include: family relationship and personal growth, disciplining methods and principles, parental ethics, development and implementation of Parent Education, and Family-School collaboration.

Pre-requisite: None

DPRI013 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

DPRI016 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: DPRI013

DPRI019 TEACHING OF PHYSICAL EDUCATION

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

DPRI020 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

DPRI021 VISUAL ARTS EDUCATION IN PRIMARY SCHOOL

The course provides students an overview of all sorts of problems concerning visual arts education and helps them to build up confidence in designing art programmes for the primary children. Content of this course includes significance of visual arts education, history of visual arts education, and curriculum design for visual arts education in primary school.

Pre-requisite: None

DPRI022 GUIDANCE AND COUNSELING IN PRIMARY SCHOOL

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

DPRI024 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: DPRI016

DPRI026 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: PREI018

DPRI031 CHILDREN DRAMA AND CREATIVITY DEVELOPMENT

Drama is a kind of general arts, and it is also a kind of group arts. Within the "Five Educational Principles", drama is one of the activities of art education – it has important influences to the cultivation of children's psychology development. This course is equally emphasizing on theories and practices. It is made up of two parts: "language arts" (recitation and stories telling) and "school drama's editing, directing and performing". The course starts with discussion, experiences sharing (guests' performances) and workshops. It ends with practical performances or graduation performances.

Pre-requisite: None

DPRI102 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

DPRI103 SCIENCE, TECHNOLOGY & SOCIETY

This course aims to help students understand the roles played by science and technology in contemporary society and become aware of the interrelationship between science, technology, and society. The course content includes the nature of science, the nature of technology, social issues related to science and technology, applications of science and technology in daily life and the recent advances in science and technology. The development of science and technology in Macao, as well as the ensuing social problems, is highlighted with regard to the selection and organization of content. A project-based approach is adopted and students are encouraged to take part in group discussions, investigations, technological designing and decision making, with social issues and problems as focus of study.

Pre-requisite: None

DPRI104 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: None

DPRI105 SPECIAL TOPICS ON MACAO SOCIETY

The course gives an overview of Macao society and culture since 1999. Topics include tourism, gambling industry, health-care, social welfare, housing, entertainment, finance, business, education, environmental sanitation, and transportation. This course also provides participants an occasion for developing research projects and analytical skills pertinent to the study of Macao.

Pre-requisite: None

DPRI200 中國文學 / CHINESE LITERATURE

選讀中國古代不同時期重要作家之作品，瞭解中國文學之優點及特色，確立對中國文學系統性的概念與認知，藉以提高同學對中國文學作品理解、欣賞及分析之能力。同時，加深同學對中國文化之認同感，培養學生欣賞中國文學作品之興趣，以提昇其人文素養。

先修科目：沒有

DPRI201 HYGIENE EDUCATION

It helps students to acquire knowledge in facing the society's ever changing demand for health. In this way, the hygienists are doing their best to help people maintaining and restoring their health to the best status. In promoting the development of good health habit, primary teacher serves as important role. The establishment of this course aims at giving of guideline to the students about the efficient ways of improving health through health education.

Pre-requisite: None

DPRI203 SCIENCE EDUCATION IN PRIMARY SCHOOL

This is one of the components of Integrated Subjects. The objective of this course is to provide participants a profound subject matter foundation. The contents of this course include (1) objective, meaning, affective manner and value of scientific inquiry; (2) objects and dynamic forces; (3) energy and its forms; (4) living things and (5) living things and environment.

Pre-requisite: None

DPRI204 HISTORY AND GEOGRAPHY

This course aims at equipping students with a general understanding of the history and geography of Macao and China. Topics include historical evolution, economic and social developments, physical geography and cultural geography of Macao and China.

Pre-requisite: None

DPRI205 中文教學 I / TEACHING OF CHINESE I

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，瞭解小學語文教材中各類課文的文體特點和教學規律。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：沒有

DPRI206 TEACHING OF MATHEMATICS I

The course targets the development of students' ability in mastery the basic knowledge and theories in primary mathematics. The main contents of the course include integer, the division of integer, fraction, decimal fraction, measurements, straight line and plane, polyhedron, revolver etc. It is expected that students' analytical and understanding abilities in teaching material concepts will be raised through the introduction.

Pre-requisite: None

DPRI207 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

DPRI209 GUIDED 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

DPRI210 FUNDAMENTAL PRINCIPLES FOR TEACHING ELEMENTARY MATHEMATICS

This course aims to introduce fundamental theories underlying elementary mathematics. By identifying common mistakes and misunderstanding in the teaching of elementary mathematics in Macao, it stresses the importance of a good mastery of knowledge and relevant theories. In addition to the basic theories, the course includes set, whole number, fraction number, decimal number, rational number, round number, quantity and calculation, rate and ratio, etc. the course is so designed as to equip prospective elementary mathematics teachers with comprehensive literacy and abilities.

Pre-requisite: None

DPRI211 MICRO-TEACHING

The objective of Micro-teaching is to enable student-teachers to acquire some basic teaching skills. They are also provided opportunities to analyze teaching in classroom setting. In addition, the course introduces the education system of Macao in order to empower them in teaching and related field in an effective manner. With the experience of some practice in the class, and reflective practice by using electronic devices, they can refine certain teaching techniques and make further improvement and innovation in the future.

Pre-requisite: None

DPRI212 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

DPRI213 SPEAKING AND LISTENING IN ENGLISH

The course aims at developing students' English oral communication skills. Students are involved in various tasks, including speech, discussion, debate, story-telling and role-play, which help to improve their speaking skills. In addition, a wide range of authentic materials, such as movies, songs and TV news reports, are used in listening practice that enhances students' listening comprehension skills.

Pre-requisite: None

DPRI300 中文教學 II / TEACHING OF CHINESE II

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。學習現代教育理論，樹立現代教育觀念和教育思想。集中探討中文教學理論和教學規律。以理論研究與教學實踐相結合的方法，集中提高中文閱讀教學和寫作教學的教學能力。

先修科目: DPRI205

DPRI301 TEACHING OF MATHEMATICS II

The course aims to let students understand and master the primary mathematics teaching methods and teaching requirements. Moreover, students will go deeper into the cultivation of the basic knowledge in primary mathematics, categories of teaching methods, structure design of primary mathematics, lessons preparing and teaching plan composing. Meanwhile, teaching practices will be held in this programme.

Pre-requisite: DPRI206

DPRI302 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: DPRI207

DPRI303 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

DPRI305 CURRICULUM DESIGN AND DEVELOPMENT

The course introduces the basic concepts and theories in curriculum design and development. Students can have the opportunity to understand the trend of curriculum development. Topics such as modern curriculum theories, curriculum models and design and evaluation will be discussed.

Pre-requisite: None

DPRI307 ADVANCED MATHEMATICS

This course introduces student teachers to basic knowledge of elementary function and geometry and relevant theories, such as concept of function, linear function, quadratic function, index function, power function, trigonometry function and basic geometry knowledge. It not only emphasizes scientific knowledge and thinking methods, but also pays attention to the development of student's basic knowledge and skills. Equipped with a good mastery of subject knowledge and pedagogy, prospective teachers will have a solid foundation for teaching elementary mathematics.

Pre-requisite: DPRI208

DPRI308 LEARNING TECHNOLOGY FOR PRIMARY EDUCATION I: INTRODUCTION

This course, aiming to enhance students' understanding of various issues and applications of learning technology so that they can use information technology in primary education effectively, provides an overview of contemporary technology for learning including information technology, with emphasis on relating learning technology to instructional design in primary education. It examines the current methodologies and issues in integrating information technology in teaching and learning contexts, the role and challenge of information technology in primary education and the use of instructional models in applying information technology to teaching and learning activities.

Pre-requisite: None

DPRI309 LEARNING TECHNOLOGY FOR PRIMARY EDUCATION II: APPLICATION AND ISSUES

This course, aiming to equip students with the basic principles and skills in designing and developing subject-based teaching materials by adopting traditional and computerized approaches, emphasizes applications of technology in education in the primary school context. Topics include the selecting, editing and producing of suitable learning materials, and the understanding and use of multimedia to improve teaching quality in primary schools. Lectures, group discussions, projects and site visits are arranged to facilitate learning.
Pre-requisite: DPRI308

DPRI400 INTRODUCTION TO CHINESE CLASSICS

This course aims to enhance students' Chinese language proficiency, cultivate their personality and foster humanity through intensive and extensive reading in Chinese Classics. The course includes fundamentals of Chinese bibliography, with emphasis on the great works of Chinese literature and literary criticism so as to enrich students' knowledge and boost their confidence in learning and teaching. Presentation of major works and selected magnum opus for detailed discussion in class will also be included.

Pre-requisite: None

DPRI401 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: DPRI302

PREI001 INTRODUCTION TO LINGUISTICS

This course introduces to student teachers a scientific study of language. It aims at equipping them with a better understanding of the semantic, syntactic and phonological aspects of English before they teach it to ESL/EFL learners. In addition, references and comparisons will be drawn with Chinese and other languages, which will enable them to explore Chinese learners' difficulties in learning English as a second/foreign language. Major topics include phonetics, phonology, morphology, semantics and syntax, etc.

Pre-requisite: None

PREI002 READING AND WRITING IN ENGLISH

This course aims at developing student teachers' various reading and writing skills in English. It provides practice that can enhance their comprehension in skimming, scanning, cursory reading and intensive reading, etc. The course also includes practice in paragraph development, summary writing, and writing of descriptive, narrative and argumentative essays.

Pre-requisite: None

PREI003 ART APPRECIATION

The course provides an introduction to art appreciation. It helps students to acquire basic knowledge related to and build up confidence in art appreciation. Topics include spirit of Chinese and Western art, languages used in Chinese and Western art and history of Chinese and Western art.

Pre-requisite: None

PREI004 CERAMICS

The course helps students to acquire basic techniques for ceramics. Techniques like hand building, moulding and coiling etc will be introduced. Besides learning how to make pots and cups, students will also learn how to make use of clay as a medium for artistic expression.

Pre-requisite: None

PREI005 FOUNDATION DRAWING: WAYS OF SEEING

Drawing is the base of all plastic arts. It uses line and light effect to define and render the form of the object. It serves not only to describe what is seen, but also to visualize what is imagined as well as to symbolize ideas and concepts. The course aims to equip the students with the basic skills of drawing (copying and sketching) and teach them to manipulate the art elements of drawing in rendering or expressing the different textures of objects. Course contents: introduction to drawing; drawing media; copying; sketching (geometric form, still life, landscape); portrait drawing, etc.

Pre-requisite: None

PREI006 CHINESE CALLIGRAPHY AND PAINTING

書法與傳統中國畫的關係十分密切。水墨寫意與書法的行草意趣相通。特別是在宋元文人畫出現以後，繪畫用筆講究從書法中來，也是我們所稱的「書畫同源」。本課程的目標是讓學生瞭解中國書法、繪畫的文化關聯與內涵。透過對書法繪畫的摹寫，瞭解中國書畫藝術是表現主觀精神的藝術。課程內容主要包括：摹寫中國古代書畫—白描畫、山水畫、工筆畫、寫意畫；如何欣賞中國書法和繪畫；何謂文人繪畫等。

先修科目：沒有

PREI007 INTRODUCTION TO CREATIVE ARTS

Creative foundation design education places its emphasis in imagination-cultivation, creative use of media, graphic composition, and cultural knowledge-integration. The course aims to train the students in designing with different media to open up their multi-dimensional thinking channels. Course contents: introduction to traditional graphic design; creative use of media in image construction; three-dimensional design, etc.

Pre-requisite: None

PREI008 SPORTS AND HEALTH DEVELOPMENT

The course aims to introduce basic concept of physical education and sports. The pre-service teachers learn the

relationship between physical education, sports, leisure activities, cultures and the society. They learn how to strengthen one's fitness condition through different physical and sports activities. They learn the importance of healthy living style and the relationship between physical fitness and personal growth. The course will divide participants in groups in according to their own interests and needs. It aims to design a programme where group dynamic is used and helps students to understand social meaning of sport in a human life.

Pre-requisite: None

PREI009 SPECIAL TOPICS IN CHINESE AND MACAO CULTURE

This course aims to provide an understanding of traditional Chinese and Macao culture. Topics are selected within the field of traditional ideologies, culture and society, relevant political and economic reforms and the role of Macao as East-West interaction.

Pre-requisite: None

PREI010 PERSONAL AND SOCIAL EDUCATION

This course enables participants to understand our social context and social life. This course systematically introduces the basic methodology of clear and rational thinking, aiming to develop the participants' power of critical thinking and the ability to apply it both in their studies and in everyday life in order to encourage participants to develop positive thinking towards future uncertainties.

Pre-requisite: None

PREI011 PORTUGUESE AND OTHER LANGUAGE STUDY

Course description of this subject is to be provided by Department of Portuguese Studies or other language departments.

Pre-requisite: None

PREI012 PUTONGHUA

講授普通話的基本知識和漢語拼音，輔以不同主題的課文朗讀、發音練習、聽力習作，以及會話活動，使學生正確掌握漢語拼音及普通話的日常用語。

先修科目: 沒有

PREI014 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

PREI015 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

PREI017 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: PREI015

PREI018 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: PREI014

PREI023 ADVANCED ENGLISH

This is an advanced English course designed to further improve students' proficiency in English. In addition to providing more practice in the four language skills, the course aims to enhance students' knowledge of the semantic, syntactic and phonological aspects of English.

Pre-requisite: None

PREI025 MUSIC III

The course aims at the using of modern techniques such as information technology to introduce music to students. It regards music as a practical subject that everyone can learn. This course will help to cultivate students' musical ability and creativity. It helps to widen the knowledge and interests of arts, inspire children's potential and keep them healthy physically and psychologically.

Pre-requisite: PREI017

PREI027 EDUCATIONAL MANAGEMENT

Introduction of administrative concepts and management skills applicable to primary school settings. This course focuses on administrative and organizational theories, planning and supervision of programmes and personnel, development of interpersonal communication and conflict resolution skills, legal and financial dimensions of school administration and management.

Pre-requisite: None

PREI028 SPECIAL EDUCATION

This course helps the students to understand more about the children with special needs. It also introduces the definitions, causes, characteristic and categories of the children, from 0-12, who need special education. Meanwhile, the course will have discussion about the relevant teaching tactics and assistance methods. Therefore, students can help these children more effectively. For example, the 0-6 months old children who have special needs, require "early intervention"; the 6-12 years old children who have special needs, require special education to assist their potential developments. The students will be taught how to make use of the pre-school and school age special education measures and services, in order to help those children and their families. Finally, students have to analyze the effect and importance of parents' and professional team's participation to the children who have special needs.

Pre-requisite: None

PREI029 OBSERVATION AND RECORD-KEEPING OF CHILDREN'S BEHAVIORS

In those hectic teaching days, teachers can only get to know their pupils' behaviors and learning intuitively. To have a deeper understanding of their general growth, we can employ observational techniques so as to record and analysis their behaviors more systematically. The kind of information resulted from observations can also facilitate school improvements in both curriculum and managing resources. The aim of this course is to delineate the means to conduct scientific and systematic observations and record-keeping, as well as the utilization of these information to improve teaching quality, teacher and pupil relationship and parent-school partnership. Ethical issues about utilizing such information will be discussed.

Pre-requisite: None

PREI030 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 communication are emotional management for teachers and students, and communication among teachers and students. Topics in classroom management are setting rules, reinforcement and punishment, discipline management, and problem behaviour management.

Pre-requisite: None

PREI100 中國語文基礎課 I / FOUNDATION CHINESE I

本課程旨在發展學員中文教學所需之基礎知識--現代漢語知識。培養觀察、理解、分析及運用現代漢語的能力，提高學生的語言修養，為從事小學語文教學工作奠定堅實的基礎。系統介紹現代漢語基礎理論和基本知識。初步瞭解現代漢語在語音、詞彙、語法方面的特點及其重要地位。內容包括：學習漢字基本知識、掌握漢字的筆劃系統、偏旁系統和部位系統、形成識字教學的能力。學習詞彙的基礎理論和基本知識，提高辨析、解釋詞義的能力和準確選用詞語的表達能力。學習各類實詞和虛詞的基本特點及短語的知識，從而提高在小學語文教學中進行簡單的語法教學的能力。

先修科目：沒有

PREI101 中國語文基礎課 II / FOUNDATION CHINESE II

本課程旨在擴充學員中文教學所需之基礎知識--現代漢語知識。培養觀察、理解、分析及運用現代漢語的能力，提高學生的語言修養，為從事小學語文教學工作奠定堅實的基礎。內容包括系統學習正確理解漢語語法學的基本概念。掌握漢語句子的類型、漢語句群的基本特點，學會聯繫語言實際分析句子的成份和結構層次，學會識別及改正漢語句子中的語法錯誤，可提高學員講授和運用語文的能力。認識漢語在交際過程中語言運用的基本知識和基本技巧，學習各種修辭方式的基本特點和作用，培養對修辭現象的理解、分析和運用的能力，從而提高運用修辭知識、觀察語言事實，以及實際運用語言文字的能力。

先修科目：PREI100

PREI102 FOUNDATION ENGLISH I

This is the first half of a general English course that aims to improve students' general proficiency in English. The course mainly consists of theme-based language activities that help students develop the four language skills --- listening, speaking, reading and writing. The course also provides English grammar practice. The International Phonetic Alphabet will also be introduced.

Pre-requisite: None

PREI103 FOUNDATION ENGLISH II

This is the second half of a general English course that aims to improve students' general proficiency in English. The course mainly consists of theme-based language activities that help students develop the four language skills --- listening, speaking, reading and writing. The course also provides English grammar practice. The International Phonetic Alphabet will also be introduced.

Pre-requisite: PREI102

PREI104 ART OF THINKING

This course targets the mastery on the development of analyzing, logical reasoning and critical thinking skills. Students would have the opportunity to apply these skills while having the group discussion with teacher and students. This makes the student becomes a person who can think independently and have self-examination skills. The course includes the development of techniques, questions, logical reasoning, debating skills, thinking and writing abilities.

Pre-requisite: None

PREI105 INTERPERSONAL RELATIONSHIP AND COMMUNICATION SKILL

Interpersonal relationships and effective communication skills are essential keystones for optimal human growth and development. The aim of the course is to investigate and to analyze interpersonal relationships and communication skills in order to enhance participants' living skills and abilities. Participants are encouraged to understand their living world and people in order to develop a positive and empathetic attitude towards life.

Pre-requisite: None

PREI106 COMPUTER APPLICATION

The course introduces fundamental concepts and application of computer systems. It develops proficiency in computer applications and classroom software, teach principles and specific ideas for appropriate, responsible, and ethical computer use to make teaching and learning more effect, promote critical abilities, skills, and self-confidence for on-going professional development.

Pre-requisite: None

PREI107 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

PREI202 MORAL AND CIVIC EDUCATION

The course aims to provide the teachers an introduction about the objectives of this curriculum, so as they can understand the theories and norms followed in the teaching method, organize different kinds of teaching activities and are delicate to use various effective teaching methods, in order to make an approach to the students about their rights and duties for every living areas, namely, personal, family, school, community, country, nation and even the whole world, with the goal of raising the moral quality. The Moral Education is an education that melts with knowledge, emotion, sense and practice. Actually, it is a teaching by personal example of teachers and the social personalities, besides the basic precept. It is essential to have a situational teaching with intentional or non-intentional setting, to educate the fully growth of students in terms of moral education.

Pre-requisite: None

PREI203 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: None

PREI205 OBSERVATION ANDS RECORD-KEEPING OF CHILDREN'S BEHAVIORS

In those hectic teaching days, teachers can only get to know their pupils' behaviors and learning intuitively. To have a deeper understanding of their general growth, we can employ observational techniques so as to record and analysis their behaviors more systematically. The kind of information resulted from observations can also facilitate school improvements in both curriculum and managing resources. The aim of this course is to delineate the means to conduct scientific and systematic observations and record-keeping, as well as the utilization of these information to improve teaching quality, teacher and pupil relationship and parent-school partnership. Ethical issues about utilizing such information will be discussed.

Pre-requisite: None

PREI300/401 EDUCATIONAL RESEARCH I & II

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: None

PREI302 EDUCATIONAL ISSUES

This is the core programme for both Early Childhood and Primary Education specializations. The principal objective of the course is to provide the latest information regarding educational innovations and reform in order to prepare a smooth transition for student-teachers to enter teaching career. Different issues on environmental protection, social development and cultural identity will also be touched. The course will be delivered in seminars, workshops and talks.

Pre-requisite: None

PREI303 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: None

PREI304/405 EDUCATIONAL RESEARCH I & II

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: None

EDUCATIONAL PRACTICE

Educational practice is divided into two stages. The objective of educational practice is intended to help student-teachers who are engaged in teaching-related fieldwork reflect on their experiences.

Pre-requisite: None

Course division and credits distribution are as follow:

■ **First Year – PREI109 Field Work**

This course aims to introduce student-teachers the education system of Macau in order to empower them in teaching and related field in an effective manner. Student-teachers are also provided opportunities to analyses teaching in classroom setting.

■ **Second Year – PREI204 Teaching Practice I**

This course is sub-divided into two stages. The first stage is micro-teaching. The objective of micro-teaching is to enable student-teachers to acquire some basic teaching skills. The second stage is teaching practice in school setting. Student-teachers will be placed in school for one month. The objective of teaching practice is to enable student-teachers to practice their theories acquired in University in school and reflect upon their own practice.

■ **Third Year – PREI301 Teaching Practice II**

This course is sub-divided into two stages. The first stage is micro-teaching. On top of the experience from second year, the objective of micro-teaching is to enable student-teachers to reflect on previous experience and make improvements and innovations. The second stage is teaching practice in school setting. Student-teachers will be placed in school for one month. The objective of teaching practice is to enable student-teachers to practice their theories acquired in University in school and reflect upon their own practice.

■ **Fourth Year – PREI400 Teaching Practice III**

This course is considered as the internship scheme of the programme. Student-teachers will be placed in school throughout the whole academic year. The objective is to provide an all-round preparation for student-teachers before entering teaching profession. In addition, student-teachers are required to do educational related projects during this period in order to enhance reflective practice.

■ **PREI403 Teaching Practice I**

This course is sub-divided into two stages. The first stage is micro-teaching. The objective of micro-teaching is to enable student-teachers to acquire some basic teaching skills. The second stage is teaching practice in school setting. Student-teachers will be placed in school for one month. The objective of teaching practice is to enable student-teachers to practice their theories acquired in University in school and reflect upon their own practice.

■ **PREI404 Teaching Practice II**

This course is sub-divided into two stages. The first stage is micro-teaching. On top of the experience from second year, the objective of micro-teaching is to enable student-teachers to reflect on previous experience and make improvements and innovations. The second stage is teaching practice in school setting. Student-teachers will be placed in school for one month. The objective of teaching practice is to enable student-teachers to practice their theories acquired in University in school and reflect upon their own practice.

Pre-requisite: None