

## **GENERAL ELECTIVES**

In addition to the core modules and the required number of prescribed electives, trainee teachers must offer at least 2 academic units of general electives which can be chosen from subjects offered by the Institute.

Trainee teachers are responsible for ensuring that the modules they select do not clash on the class timetable and the examination timetable.

## GENERAL ELECTIVES

### Art

Module Category	Module Code	Title	No. of AUs	Pre- requisites
ART	EAA180	Introduction to Asian Art	3	-
	EAA181	Introduction to Western Art	3	-
	ECA180	Drawing	2	-
	ECA181	Life Drawing	2	-
	ECA182	Introduction to Ceramics	2	-
	ECA183	Introduction to Wheel Throwing	2	-
	ECA184	Introduction to Printmaking	2	-
	ECA185	Painting	2	-
	ECA186	Chinese Brush Painting	2	-
	ECA187	Batik-making	2	-

### EAA180 Introduction to Asian Art

Some of the major developments in the history of the arts in Asia with particular reference to China, India and Japan. The range of art objects and the variety of contexts and circumstances under which those works of art were created. The relations and the differences between artistic periods and the transformation which the concept of 'art' has undergone in various cultures. A selective discussion of the most representative forms from each country. Major art forms to be studied will include architecture, sculpture, bronzes, ceramics, painting and calligraphy.

## **EAA181 Introduction to Western Art**

A chronological survey of European art from pre-historic times to the twentieth century. The development of the arts in the Western world: prehistoric art; the art of Egypt; ancient Greek and Roman art; Medieval art; Renaissance and Mannerist art; Baroque and Rococo art; nineteenth and twentieth century art - Neoclassicism, Romanticism, Realism; Impressionism, Post-impressionism, Fauvism, Expressionism, Cubism, Futurism, Dada and Surrealism, Abstract Expressionism, Pop Art and more recent trends.

## **ECA180 Drawing**

The nature of drawing, from traditional art practice to the range of meanings drawing has in contemporary art.

## **ECA181 Life Drawing**

An introduction to drawing through an exploration of the figure in both traditional and contemporary frameworks.

## **ECA182 Introduction to Ceramics**

The development of skills and production of clay works through inquiry and hand-building techniques.

### **ECA183 Introduction to Wheel Throwing**

The development of basic wheel-throwing techniques and an appreciation of clay as a medium of expression.

### **ECA184 Introduction to Printmaking**

An investigation of image-making through a range of printmaking techniques.

### **ECA185 Painting**

A practical introduction to a range of materials and methods geared towards developing skills, understanding and knowledge of contemporary painting practice.

### **ECA186 Chinese Brush Painting**

Studio practice of brush technique and the exploration of different subject matters, such as birds, flowers, fish, landscapes and others.

### **ECA187 Batik-making**

An introduction to the understanding of batik as a medium in traditional and contemporary contexts. Exploration of various subject matters through studio practices.

## Chinese Language

Category/ Subject	Module Code	Title	No. of Aus	Pre-requisites
CHINESE LANGUAGE	EAC181	Chinese Calligraphy	2	At least a grade of B4 in 'AO' Chinese (trainee teachers in the Dip Ed Chinese specialisation and Dip CL Ed programmes are exempted from this pre-requisite)
	EAC182	Translation (Chinese-English)	2	
	EAC183	Chinese History	2	
	EAC281	Topics in Chinese Culture	2	
	EAC282	Selected Readings in the <i>Dream of the Red Chamber</i>	2	
	EAC283	Chinese Poetry and Painting	2	

### EAC181 Chinese Calligraphy

Origin and development of Chinese calligraphy; various styles; lives and styles of prominent calligraphers; the use of the Chinese brush; techniques in writing the basic strokes; demonstrations and practices.

### EAC182 Translation (Chinese-English)

An introduction to the theories and practices of translation for special purposes. Stylistic features of different kinds of writing in Chinese and English, including professional jargon. Practical exercises in translation.

### EAC183 Chinese History

An overview of Chinese history from the Shang Dynasty to early years of the People's Republic. Major political, cultural and social events in different dynasties. Special emphases on the Qing dynasty and the modern era, focusing on the late-Qing reforms, the rise of Japan and its invasion of China, as well as the ascendance of the Chinese Communist Party.

### **EAC281 Topics in Chinese Culture**

Topics on Chinese names; Chinese family and marriage system; Chinese food culture; Chinese festivals; Chinese customs and mores; Chinese literature and art; Chinese education system and the civil service examination; Chinese architecture and classical gardens; cultural themes in the Chinese language textbooks.

### **EAC282 Selected Readings in the *Dream of the Red Chamber***

Basic knowledge in “Redology” (i.e. *hongxue*, or Red-Chamber-Story Studies); themes and plots of the novel; narrative techniques of the novel; linguistic features of the novel; Chinese customs and mores as seen in the novel.

### **EAC283 Chinese Poetry and Painting**

Chinese aesthetics and Chinese poetry and painting; readings and analyses of Chinese poems with aesthetic features similar to those found in Chinese paintings; linguistic and artistic features of selected Chinese poems.

## Education Studies

Category/ Subject	Module Code	Title	No. of AUs	Pre-requisites
EDUCATION STUDIES	EED180	Preventing Academic Learning Problems	2	-
	EED181	Becoming a More Effective Student	2	-
	EED182	Memory: From the Laboratory to the Classroom	2	-
	EED183	Arousing Pupils' Interest in Learning	2	-
	EED184	Classroom Management for Effective Teaching	2	-
	EED185	Making Learning Visible – How Children Think and Learn	2	-
	EED280	On Becoming a Creative Teacher	2	-
	EED281	Computer Applications for School-based Teaching	2	-
	EED282	The Applications of Cognitive Psychology in Teaching and Learning	2	-
	EED283	Meeting the Needs of Bright Pupils in the Regular Classroom	2	-
	EED285	Accelerating the Learning of Underachievers	2	Dip Ed (Gen) trainee teachers who have completed Yr 1 successfully including successful completion of first Practicum
	EED286	Problem Solving Strategies of Primary School Pupils	2	-
	EED287	Understanding and Helping Underachievers	2	-
	EED288	Problems and Issues in Singapore Education	2	-
EED289	Values Education: Concepts, Principles and Strategies	2	-	

## **EED180 Preventing Academic Learning Problems**

A systematic approach to the prevention of academic learning problems; a generic instructional cycle comprising the assessment of instructional needs, the design of instructional strategies, using those strategies, and the evaluation of their pupils' learning and their teaching; application of this cycle to basic academic skills with individual children and on a class-wide basis.

## **EED181 Becoming a More Effective Student**

Techniques and skills for becoming a more effective student; hands-on activities in learning and academic skills; motivation; time management, stress management; memory and learning; transfer of learning; preparing for examinations; developing a mindset for life-long learning.

## **EED182 Memory: From the Laboratory to the Classroom**

An introduction to learning and memory. How different kinds of knowledge are acquired, stored, and retrieved. Ways in which students' learning and recollection can be maximised. Using computerised experiment generators, debates, and learning activities, the laboratories will provide deeper insight into the phenomena examined in lectures. At the end of the course, participants are expected to be able to discuss, evaluate, and apply findings on learning and memory.

### **EED183 Arousing Pupils' Interest in Learning**

All students have the power and potential to learn. The issue here lies with how educators can facilitate the process of instruction in such a manner that enhances pupils' interest in learning. What can educators do to make this interesting? How well are we able to equip children with the necessary frame of mind and 'tools' to be active learners? Motivation in its relationship to learning and classroom behaviours; factors influencing motivation; the role of the teacher as a motivator and effective strategies to arouse pupils' interest in learning.

### **EED184 Classroom Management for Effective Teaching**

Classroom management and effective teaching. The teacher as classroom manager. Planning for classroom management. Establishing a positive classroom environment. Managing instruction and student learning. Managing student behaviour. Survey of behaviour management approaches. Effective discipline and punishment. Principles of effective classroom management and discipline.

## **EED185 Making Learning Visible – How Children Think and Learn**

The issues of child development presented by key developmental theorists. New ideas, research and practical lessons for teachers. How to help children think and learn, highlighting individual differences in children's achievements and experiences at school, and focusing on the implications for educational practice in the Singapore context. Topics covered include: From Pavlov to Piaget - Changing perspectives on learning and development; Mental models of children's learning processes; Children's understanding of the mind; From mental to social - Observing children's interactions; Observing Children: Field work; Collaborative Learning; Cyber classroom; Theory to practice link: How to make learning visible

## **EED280 On Becoming a Creative Teacher**

A general framework for fostering creativity in the classroom. Teacher-roles for fostering creativity are discussed. Techniques for uncovering and assessing students' creative ideas are proposed. The importance of role models, social community, and individual competencies and their interactions. The developmental and productivity curves of developing competence in fostering creativity. Local findings of trainee teachers' teaching competencies, perceptions of teacher roles important for fostering creativity of students of various levels, student perceptions of desirable and useful learning activities for fostering creativity.

### **EED281 Computer Applications for School-based Teaching**

Essential IT techniques to create IT-enhanced learning environment and conduct IT-based classroom assessment. Techniques covered include classroom presentation, simple data analysis and psychological measurement.

### **EED282 The Applications of Cognitive Psychology in Teaching and Learning**

Principles and theories of cognitive psychology. An understanding of relevant issues. History and development of cognitive psychology; perception and attention; encoding and representation; meaning-based knowledge; memory and transfer; promoting conceptual change; decision-making and problem solving.

### **EED283 Meeting the Needs of Bright Pupils in the Regular Classroom**

Conceptions of giftedness; current issues in the field of gifted education; characteristics and needs of bright learners; differentiated and defensible educational practices; interdisciplinary approaches; role of the family; bright underachievers.

## **EED285 Accelerating the Learning of Underachievers**

Strategies to accelerate the learning of underachieving pupils; two complementary research-based methods that have high success rates with such students: Precision Teaching and Direct Instruction: the fundamental procedures to design and deliver instruction using both of these methods.

## **EED286 Problem Solving Strategies of Primary School Pupils**

Strategies of investigation; imitation; imagination; language and manipulation; material-rich environment; problem, knowledge and discovery activities; ways of consolidating and generalising competencies; further elaboration.

## **EED287 Understanding and Helping Underachievers**

Problem of underachievement; identification and diagnosis of problems; home and family factors; personality factors; motivation; self-concept; categories and characteristics of underachievers; reasons for underachievement; strategies to ameliorate problems of underachievement; educational considerations; teaching methods and resources.

## **EED288 Problems and Issues in Singapore Education**

A socio-historical study of problems and issues in Singapore education. School efficiency and school effectiveness; subject-centred and pupil-centred curriculum; educational theories of Rousseau, Pestalozzi, Bertrand Russell, A. S. Neill, John Holt; and Home Schooling.

## **EED289 Values Education: Concepts, Principles and Strategies**

The aims, content and methods of values teaching with special reference to primary education; the nature of morality; right moral motivation; the psychology of moral development; philosophical understanding as the basis for validating content in values teaching.

## English Language and Literature

Category/ Subject	Module Code	Title	No. of AUs	Pre- requisites
ENGLISH LANGUAGE AND LITERATURE	EAE180	An Introduction to Linguistics	2	-
	EAE181	English Rhythm and Intonation	2	-
	EAE182	Contemporary Chinese American Literature	2	-
	EAE183	New Literatures in English	2	-
	EAE184	The Narrative in Book, Film and Advertisement	2	-
	EAE185	Voice Studies and Production	2	-
	ECE280	Connecting Primary Children to Books: Teaching Towards Life-long Literacy	2	Dip Ed/Dip PE trainee teachers

### **EAE180 An Introduction to Linguistics**

The nature of language and its sub-systems, universal features of language, functions of language, language in society, language change, first language acquisition and second language acquisition.

### **EAE181 English Rhythm and Intonation**

The rhythm and intonation of "School English Pronunciation" as described in well-known textbooks on English pronunciation; some aspects of Singapore English pronunciation and other established accents of world English. Descriptive/comparative/practical approach to English Phonetics and Practical General Phonetics, with ample exercises in tonetic transcription, ear-training and performance, and extra work in the Phonetics Laboratory.

## **EAE182 Contemporary Chinese American Literature**

An insight into a major sector of the emergent Asian American literature in the United States. The unifying themes of identity, generational change and societal adjustments found in the works of Chinese American writers like Shawn Wong, Marilyn Chin, Amy Tan, Li-Young Lee, Frank Chin, John Yau and Gish Jen. Students will need to develop an understanding of the distinctive styles of each writer and an appreciation of their concerns as well as craftsmanship.

## **EAE183 New Literatures in English**

Works in the genres of poetry and fiction in selected New Literatures in English. Post-colonial writers like Nissim Ezekiel, Wole Soyinka, Jayanta Mahapatra, Vincent Buckley, Wilson Harris, Patrick White, Michael Ondaatje, Nick Joaquin, Amy Tan and Chris Wallace-Crabbe. An introductory survey and a critical analysis of the contribution of these post-colonial writers to the corpus of contemporary classics.

## **EAE184 The Narrative in Book, Film and Advertisement**

The different types of *narratives* that written texts, films and advertisements employ, respectively, in putting across their “messages”. We will compare, for example, Charles Dickens’ *Great Expectations* and the contemporary film based on his novel, or the two versions of *The Joy Luck Club*. We will examine print and film advertisements to see how and if *story* plays a role.

## **EAE185 Voice Studies and Production**

A practical module which aims to strengthen and enhance the trainee teacher's natural voice and to increase awareness of the best use of the voice in various working contexts, particularly that of the school classroom. Using of established approaches (as constructed collaboratively between the theatre and medical professions) to develop physical and personal awareness, a feeling for the dynamics of language, and understanding of basic theory of physiology and voice production. Supplementing the workshop approach are lecture materials and the opportunity for individual voice tutorial.

## **ECE280 Connecting Primary Children to Books: Teaching Towards Life-long Literacy**

For trainee teachers who are interested in children's books. Exposure to various commendable children's books in different genres. How, through a variety of reader-response activities, children's literacy can promote and enhance language learning and life-long literacy in the primary classroom.

## Geography

Year	Module Code	Title	No. of AUs	Pre-requisites
GEOGRAPHY	EAG180	Maps and Map Appreciation	2	-
	EAG181	World Water Problems	2	-
	EAG182	The Changing Ethnic Landscapes of Southeast Asia	2	-
	EAG183	Urban Problems and Management in Southeast Asia	2	-
	EAG184	An Introduction to Modern Geography	2	-
	EAG280	Global Environmental Issues	2	-

### **EAG180 Maps and Map Appreciation**

How maps are drawn and types of maps. Types of projections. Skills in map reading and interpretation. Reducing and enlarging maps. Computer aided maps. Finding your way around (city and rural areas).

### **EAG181 World Water Problems**

Importance of water and overall global perspective. The hydrological cycle and water balance. Water use and supply issues. Population growth, pollution and water scarcity. Urban and rural water supply. Sustainable water supply development.

### **EAG182 The Changing Ethnic Landscapes of Southeast Asia**

Salient features and spatial patterns of the diverse ethnic groups in Southeast Asia in the context of recent and potential ethnic tensions within the region's multi-ethnic states. Processes of cultural diffusion, acculturation and assimilation of immigrant groups will be discussed together with more recent conditions that have led to global ethnic revival. Imprint of ethnicity on economic activity and the possible consequences of globalisation for ethnic minorities and indigenous peoples with reference to appropriate case studies.

### **EAG183 Urban Problems and Management in Southeast Asia**

Five decades of rapid urban growth have substantially altered the form and functions of Southeast Asia's major cities. Reasons for this urbanisation process together with the problems that it has created in terms of urban planning and management.

### **EAG184 An Introduction to Modern Geography**

Study of modern geography for trainee teachers who have no prior knowledge but an interest in geography as a field of study. Its fundamental concepts and techniques. The nature and methodology of the discipline and an understanding of the world in which humankind lives.

### **EAG280 Global Environmental Issues**

The impact of economic development, both negative and positive, on the environment. An understanding of the environmental issues that are of global concern.

## History

Year	Module Code	Title	No. of AUs	Pre-requisites
HISTORY	EAH180	War and Heritage	2	-
	EAH181	Women in Singapore Society	2	-
	EAH182	Singapore: From Settlement to Republic	2	-

### **EAH180 War and Heritage**

The depiction of war in film and in other representations of history, such as in textbooks and museums, as well as historic sites. Two case studies are covered – Nazi Germany and the Japanese Occupation of Singapore. Critical analysis of films and field trips to wartime sites of Singapore are included in the course.

### **EAH181 Women in Singapore Society**

An examination of how women in Singapore have redefined the role of woman in our society. Snapshots of women achievers in education, business, technology, government, social services, civil service, medicine, writing, journalism, diplomacy and other fields. Studies their background and drive, look for commonalties, differences, outlook, their perspective of women's role in society and seek to understand how these women have redefined the role played by woman in our society.

## **EAH182 Singapore: From Settlement to Republic**

Significant developments in modern Singapore from 1819 to the present. Two main areas of focus: (1) how colonizers acquired and sought to maintain Singapore, (2) how the indigenous and immigrant population acted and reacted during the period of study. Questions of motive, points of views, interpretations of events and impact.

## Home Economics

Category/ Subject	Module Code	Title	No. of AUs	Pre-requisites
HOME ECONOMICS	EAX180	Nutrition	2	Non-Home Economics trainee teachers

### **EAX180 Nutrition**

Basic food groups (energy-giving foods, body-building foods and protective foods) and their respective functions. The origin of these foods and deficiency diseases. Factors affecting choice of foods and how to read food composition tables. Meal planning using the concept of energy balance, Recommended Daily Amounts (RDA), current guidelines for healthy diets and Food Guide Pyramid.

## Malay Language

Category/ Subject	Module Code	Title	No. of AUs	Pre- requisites
MALAY LANGUAGE	EAD181	Appreciation of Malay and Indonesian Poetry	2	'O' level Malay
	EAD182	Error Analysis of Malay Language	2	'O' level Malay
	EAD183	Introduction to Malay Language and Culture	2	'O' level Malay
	EAD184	Elementary Malay	2	For beginners
	EAD185	Introduction to Islam in Malay Culture (English)	2	-

### EAD181 Appreciation of Malay and Indonesian Poetry

An introduction to the various types, classification and development of Malay and Indonesian poetry from traditional to modern genres such as pantun, mantera, syair, gurindam, seloka, nazam and sajak; an acquisition of the tools of critical analysis and response to concepts and techniques commonly encountered in the study of poetry, such as form, imagery, symbolism, tone, diction and rhythm in relation to traditional as well as contemporary verses; and an examination of selected works of great poets such as Hamzah Fansuri, Raja Ali Haji, Amir Hamzah, Chairil Anwar, Masuri S.N., Noor S.I. and Latiff Mohidin.

## **EAD182 Error Analysis of Malay Language**

The knowledge and the various skills needed to identify errors in Malay language. These include receptive and expressive errors, language use, individual and group errors, description and recognition of language in identifying phonemic and phonetic errors, morphosyntactic errors and lexicon and semantic errors.

## **EAD183 Introduction to Malay Language and Culture**

A broad introduction to the study of Malay language and culture. Relationship between Malay Language and culture, its characteristics and its major development during the animistic period and the Hindu, Islamic and Western era. The various aspects of Malay customs and practices including the Malay kinship system.

## **EAD184 Elementary Malay**

Elementary Malay for beginners. Conversational and simple Malay.

## **EAD185 Introduction to Islam in Malay Culture (English)**

This module, delivered in English, attempts to provide an overview of the place and the role of Islam in shaping Malay culture, both in the past and present. Several cultural institutions, such as the education and social institutions in Malay society of Singapore will be discussed, especially in regards to the role of Islam in conditioning these institutions. The emphasis of

cultural understanding is the basis of this module, which is pertinent in the context of a multi-racial and multi-religious Singapore.

**Topics Covered:**

1. Introduction
2. Historical Background (Islamization of Southeast Asia in the Historical Past)
3. Basic Teachings of Islam (Central Values in Islam)
4. The Role of Islam in Contemporary Malay Society and the Modern World (Changes and Challenges affecting Singapore Malay Society)
5. Islam and The Formation of Worldviews of the Malays (Defining the Constituents of Malay Culture)
6. Islamic Influences in Malay Customs and Practices
7. Islamic Influences in Malay Cultural & Artistic Expressions (Language and Literature)
8. Institutions in Singapore Malay Society (A look into the roles of MUIS, Syariah Court, Mendaki, Jamiyah, Majlis Pusat etc. in Malay society)
9. The Religious Education in Malay Society (The place and role of madrasahs in Malay Society)
10. Conclusion

## Mathematics

Category/ Subject	Module Code	Title	No. of AUs	Pre-requisites
MATHEMATICS	EAM180	History of Mathematics	2	-
	EAM181	Understanding Statistics	2	Non- Mathematics trainee teachers
	EAM183	Mathematical Kaleidoscope	2	-
	EAM184	Computer Algebra Systems	2	-

### EAM180 History of Mathematics

Origins of arithmetic, algebra, geometry, trigonometry, mensuration and computation in Babylonian, Egyptian, Greek, Chinese and Arabic mathematics from the earliest times until the thirteenth century.

### EAM181 Understanding Statistics

Descriptive statistics (exploratory data analysis). Measures of central tendency, location and spread. Use of software (e.g. MINITAB). Probability - basic concepts and rules. Elementary sampling techniques. Special distributions - uniform, binomial, Poisson, geometric, hypergeometric, exponential, normal. Applications.

### **EAM183 Mathematical Kaleidoscope**

A mathematics appreciation course which looks at mathematics from a recreational point of view. Includes some history, some topics in the traditional syllabuses but from a different point of view, and also some topics outside the standard curriculum, for example, magic squares.

### **EAM184 Computer Algebra Systems**

Introduction to one or more computer algebra systems (CAS), for example, MAPLE. What CAS is capable of. (Not a training course for the use of CAS. The manipulative skills will be kept to calculus or pre-calculus level depending on the class.)

## Music

Category/ Subject	Module Code	Title	No. of AUs	Pre- requisites
MUSIC	EAI180	Malay Music in Context	2	-
	EAI181	Indian Music in Context	2	-
	EAI182	Chinese Music in Context	2	-
	EAI183	Japanese Music in Context	2	-
	EAI184	Movement in Music	2	-
	EAI185	Studies in Western Art Music	2	-

### **EAI180 Malay Music in Context**

Learning and playing of the Malay framed drums, kompang and gambus. Activities involve individual and ensemble performance on the instruments.

### **EAI181 Indian Music in Context**

A practical study of North and South Indian classical music. Activities involve individual and ensemble performance on the sitar, tablas and Indian vocal techniques.

### **EAI182 Chinese Music in Context**

The practical study of the Chinese flute. Ensemble activities with other Chinese musical instruments are also encouraged.

**EAI183 Japanese Music in Context**

The practical study of the koto and shakuhachi. Activities involve individual and ensemble performance on the instruments.

**EAI184 Movement in Music**

An insight into some of the practical possibilities of making the body respond to music.

**EAI185 Studies in Western Art Music**

A survey of the history of Western Music from the Baroque era to the 20th century. Emphasis on the stylistic, aesthetic and social aspects of music.

## Natural Sciences

Category/ Subject	Module Code	Title	No. of AUs	Pre- requisites
NATURAL SCIENCES	EAN180	Plants and Man	2	-
	EAN181	The Living World	2	Non-Biology majors
	EAN182	Conservation and Management of Natural Habitats	2	-
	EAN183	Human Diversity and Migration	2	-

### **EAN180 Plants and Man**

Introduction to plants with emphasis on the influence of plants on human culture and society. The economic importance of plants in feeding, healing, clothing and sheltering humans. The impact of advances in plant biotechnology and genetic engineering of crops. Potential applications and relevance of botanical research in areas such as biodiversity conservation, sustainable development and bioprospecting.

### **EAN181 The Living World**

Teaching life science by telling its story - from the origin of life, single cell to multicellular organisms, from continuity of life to the diversity of life. The life processes of every cell. Cell growth, movement and transport of molecules across membranes. How green cells capture energy from sunlight to make chemical energy, how living cells including body cells use chemical energy to power their lives.

## **EAN182 Conservation and Management of Natural Habitats**

An exploration of the means by which natural areas may be best preserved and managed. The conflicting demands between development and economic growth, and conservation, and the grey area in between. An emphasis on field trips to learn first-hand the need for nature areas to cater for multiple uses, and the implementation of management practices in conservation areas.

## **EAN183 Human Diversity and Migration**

Human migration is often thought of as a contemporary phenomenon, but human populations have been moving about for thousands of years. A celebration of human diversity as well as an examination of ways by which this diversity is measured. A study of ancient migrations using various lines of evidence. The question of what constitutes "race" will also be dealt with.

## Physical Education

Category/ Subject	Module Code	Title	No. of AUs	Pre-requisites
PHYSICAL EDUCATION	EPA180	Health & Wellness	2	-
	EPA181	Growth & Motor Development	2	-
	EPA182	Stress Management for Teachers	2	-
	EPA290	Coaching the Young Athlete	2	PE trainee teachers only
	EPA291	Principles of Athletic Training	2	PE trainee teachers only
	EPA292	Nutrition & sports Performance	2	PE trainee teachers only
	EPA293	Physical Education for Students with Special Needs	2	PE trainee teachers only
	EPC180	Introduction to Volleyball	1	-
	EPC181	Tennis	1	-
	EPC182	Introduction to Weight Training	1	-
	EPC183	Aerobics	1	-
	EPC190	Introduction to Sailing	1	Fee to be paid
	EPC191	Creative Dance for Primary Schools	1	-

### **EPA180 Health & Wellness**

Health is first wealth. The message that good health means more than the absence of serious illness is reinforced with discussions on the many issues that are involved in healthy living, and in the development of the holistic person. The relationships between physical activity, physical fitness and good health. Major life-style diseases, their etiologies & preventative measures. Nutritional, stress and weight management concerns. Practical applications in the school setting.

### **EPA181 Growth & Motor Development**

A study of the physical growth and motor development of the growing child. Factors that impact physical growth and motor development, age-related changes, individual and gender differences in motor development and performance.

### **EPA182 Stress Management for Teachers**

Specifically designed for teachers. The basic literature pertinent to stress management. Practical stress management techniques. The teaching (to fellow teachers in the class) of one stress management technique one can utilize when one experiences stress.

### **EPA290 Coaching the Young Athlete**

The theoretical aspects of coaching the young and beginner athlete. Content based on the National Coaching Accreditation Programme (NCAP) adopted by the Singapore Sports Council, and complements the two-year diploma course work in Exercise Physiology, Anatomy, Biomechanics, Psychology and Pedagogy and other various practical modules.

### **EPA291 Principles of Athletic Training**

The recognition and assessment of common athletic injuries. This module will provide the teacher with an understanding of surface anatomy, landmarking, injury mechanics and assessment techniques as well as the implications of injury to body parts. (This module is open to PESS trainee teachers only).

### **EPA292 Nutrition & Sports Performance**

The links between nutrition, exercise and health. The effects of diet and exercise on body composition and weight control; the relationships between diet, health and disease, particularly coronary heart disease and the role of nutrition in optimising sports performance. (This module is open to PESS trainee teachers only).

### **EPA293 Physical Education for Students with Special Needs**

The role of Physical Education in the total development of students with disabilities. The need for, scope of, and structure of adapted physical education for selected special groups of students with disabilities. Etiologies and distinguishing characteristics of selected disabilities. Factors underlying programme/lesson planning and implementation. Practical sessions as well as lectures.

### **EPC180 Introduction to Volleyball**

Basic volleyball skills and elementary game strategies. Forearm pass, volley, and service. Positioning of individual players on the court in offensive and defensive situations. Basic rules of the game.

### **EPC181 Tennis**

Skills and knowledge in playing the singles and doubles game of tennis. Particular emphasis on basic strokes: forehand and backhand, volley, overhead shots and service. Rules, scoring and elementary tactics.

### **EPC182 Introduction to Weight Training**

Safe principles of progressive weight training, using resistance machines and free weights. Development of own specific and individualised programmes that include a variety of training systems.

### **EPC183   Aerobics**

Both low and high impact activity and resistance exercises for the teaching of aerobic classes. Fitness principles will be utilised and adapted to an aerobic dance setting. Choreographing a routine to maintain class flow will be emphasised and teachers are expected to choreograph an exercise routine.

### **EPC190   Introduction to Sailing**

Introductory course in sailing. Terminology in sailing, knots, parts of a craft, water and craft safety will be introduced. Practice on the launching and recovery of the craft, the main points of sail and the application of basic right of way rules.

### **EPC191   Creative Dance for Primary Schools**

The teaching of creative dance techniques for children with a focus on the knowledge and principles of understanding movement. Exploring methods of leading creative dance activities and experiences to enable teachers to design lessons appropriate for the different age groups in primary schools.

## Science and Technology Education

Module Code	Title	No. of AUs	Pre-requisites
ECS180	The Making and Improvisation of Science Teaching Aids	2	-

### **ECS180 The Making and Improvisation of Science Teaching Aids**

Construction of an expanded polystyrene cutter. Working with polystyrene and discarded materials to produce teaching models. Constructing teaching models with acrylic materials for use on the OHP. The Pegboard and its accessories. Assembling a simple science experiment for classroom demonstration using a Pegboard. Use of constructed models for science teaching - student presentations.

## Tamil Language

Category/ Subject	Module Code	Title	No. of AUs	Pre- requisites
TAMIL LANGUAGE	EAT181	Elementary Tamil	2	For beginners
	EAT182	Introduction to Tamil Language and Culture	2	For beginners
	EAT183	Tamil Language and Literature	2	'A' or 'AO' level in Tamil

### **EAT181 Elementary Tamil**

Elementary Tamil for beginners. Conversational and simple everyday Tamil.

### **EAT182 Introduction to Tamil Language and Culture**

A broad introduction to the study of Tamil language and culture. Linguistic and literary features of Tamil language, and its relationship with culture. The development of Tamil language, literature and culture through the ages (the medium of instruction is English).

### **EAT183 Tamil Language and Literature**

The characteristic features of Tamil language among the languages of the Dravidian family and the overview of the growth and development of Tamil literature from the ancient to the modern period (the medium of instruction is Tamil).