

SkillsFuture Singapore Funded NIE Higher Degree Courses

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Note:

For **August 2020 semester** courses, please check back from mid-June 2020 onwards.

SN	Course code (click on course code for course descriptor)	Course title	Jan 2020 Semester	Corresponding HD Programme	SSG Funded	Emerging Area(s) (if applicable)
1	MAE903	Sociolinguistic Perspectives on the Classroom	✓	MA (Applied Linguistics)	Skills-based Continuing Education Courses	NA
2	MAE910	Corpora in Applied Linguistics	-	MA (Applied Linguistics)	Skills-based Continuing Education Courses	NA
3	MAE916	Critical Literacy: Theory into Practice in the Language Classroom	-	MA (Applied Linguistics)	Skills-based Continuing Education Courses	NA
4	MAE920	Second Language Reading Pedagogy	-	MA (Applied Linguistics)	Skills-based Continuing Education Courses	NA
5	MALC831	Assessment and Learning	-	MA (Leadership and Educational Change)	Skills-based Continuing Education Courses	NA
6	MAS919	GIS and Geospatial Learning in the Humanities	-	MA (Humanities Education)	SkillsFuture Series Course	<ul style="list-style-type: none"> • Data Analytics; • Tech-Enabled Services; • Digital Media; • Urban Solutions
7	MCL911	Application of Information and Communication Technologies in Teaching and Learning of Chinese Language	-	MED (Chinese Language)	SkillsFuture Series Course	Digital Media

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8	MCL912	Chinese-English Translation and Chinese Language Teaching: From Theory to Practice	-	MED (Chinese Language)	Skills-based Continuing Education Courses	NA
9	MCT902	Curriculum Designing: From Theory to Practice	✓	MED (Curriculum and Teaching)	Skills-based Continuing Education Courses	NA
10	MCT912	Curriculum and Program Evaluation	-	MED (Curriculum and Teaching)	Skills-based Continuing Education Courses	NA
11	MCT921	Theory and Practice of Authentic Assessment	✓	MED (Curriculum and Teaching)	Skills-based Continuing Education Courses	NA
12	MCT935	New Media and 21st Century Learning	-	MED (Curriculum and Teaching)	Skills-based Continuing Education Courses	NA
13	MDP901	Social and Emotional Development and Assessment	-	MED (Developmental Psychology)	Skills-based Continuing Education Courses	NA
14	MDP902	Children Cognitive Development and Assessment	✓	MED (Developmental Psychology)	Skills-based Continuing Education Courses	NA
15	MDP904	Motivation, Volition and Learning-in-Action	✓	MED (Developmental Psychology)	Skills-based Continuing Education Courses	NA
16	MDP907	How to Nurture Creative and Happy Learners	✓	MED (Developmental Psychology)	Skills-based Continuing Education Courses	NA
17	MDR901	Theatre Making: Theory, Practice, Pedagogy	✓	MED (Drama)	Skills-based Continuing Education Courses	NA

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18	MDR902	Drama Education, Curriculum and Assessment	-	MED (Drama)	Skills-based Continuing Education Courses	NA
19	MDR903	The Teacher as Facilitator	-	MED (Drama)	Skills-based Continuing Education Courses	NA
20	MDR904	Arts-based Research	✓	MED (Drama)	Skills-based Continuing Education Courses	NA
21	MEA901	Research and Issues in Art Education	✓	MED (Art)	SkillsFuture Series Course	Data Analytics
22	MEA902	Visual Arts and Creativity	-	MED (Art)	Skills-based Continuing Education Courses	NA
23	MEA903	Art and New Media Technology	-	MED (Art)	SkillsFuture Series Course	<ul style="list-style-type: none"> • Tech-enabled Services; • Digital Media
24	MEA904	Art Making and Aesthetic Enquiry	✓	MED (Art)	SkillsFuture Series Course	Data Analytics
25	MEC901	Child Development (0-8 years)	✓	MED (Early Childhood)	Skills-based Continuing Education Courses	NA
26	MEC902	Issues and Trends in Early Childhood Education	✓	MED (Early Childhood)	Skills-based Continuing Education Courses	NA
27	MEC903	Research Investigations in Early Childhood Education	✓	MED (Early Childhood)	Skills-based Continuing Education Courses	NA

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28	MEC910	Pedagogy in Early Childhood education	-	MED (Early Childhood)	Skills-based Continuing Education Courses	NA
29	MEL902	Analyzing Literature and Language	✓	MED (English)	Skills-based Continuing Education Courses	NA
30	MEL914	Teaching Oral Communication: Current Theories and Approaches	-	MED (English)	Skills-based Continuing Education Courses	NA
31	MEL918	Reading in a Multimodal Age	✓	MED (English)	Skills-based Continuing Education Courses	NA
32	MEL920	Creative Writing in the Classroom	-	MED (English)	Skills-based Continuing Education Courses	NA
33	MHA901	Understanding Learners with High Ability and their Affective and Moral Needs	-	MED (High Ability Studies)	Skills-based Continuing Education Courses	NA
34	MHA902	Identification of Potential and Administration of Interventions for High Ability Learners	-	MED (High Ability Studies)	Skills-based Continuing Education Courses	NA
35	MHA904	Critical and Creative Thinking for High Ability Learners	✓	MED (High Ability Studies)	Skills-based Continuing Education Courses	NA
36	MHA906	Using Multicultural Children's Literature to Facilitate Social and Emotional Learning among Exceptional Learners	-	MED (High Ability Studies)	Skills-based Continuing Education Courses	NA
37	MME922	Numbers and the Teaching of Numbers	-	MED (Mathematics)	Skills-based Continuing Education Courses	NA

SN	Course code (click on course code for course descriptor)	Course title	Jan 2020 Semester	Corresponding HD Programme	SSG Funded	Emerging Area(s) (if applicable)
38	MML905	School-Based Curriculum Design for Malay Language Teaching	-	MED (Malay)	Skills-based Continuing Education Courses	NA
39	MPM904	Attitude Measurement and Personality Assessment	✓	MED (Educational Assessment)	SkillsFuture Series Course	Data Analytics
40	MPM905	Programme Evaluation	✓	MED (Educational Assessment)	Skills-based Continuing Education Courses	NA
41	MPM909	Elementary Statistics for Education	✓	MED (Educational Assessment)	SkillsFuture Series Course	Data Analytics
42	MSC903	Science as Practice	-	MED (Science Education)	Skills-based Continuing Education Courses	NA
43	MSC904	Assessment of Students' Alternative Conceptions and Conceptual Change	-	MED (Science Education)	Skills-based Continuing Education Courses	NA
44	MSC906	Representations and New Media in Science Education	-	MED (Science Education)	Skills-based Continuing Education Courses	NA
45	MSE902	Human Development	-	MED (Special Education)	Skills-based Continuing Education Courses	NA
46	MSE911	Learning Disabilities	✓	MED (Special Education)	Skills-based Continuing Education Courses	NA
47	MSE913	Curriculum Design and Development	-	MED (Special Education)	Skills-based Continuing Education Courses	NA

COURSE DESCRIPTORS

SN	Course code	Course title	Course Descriptors
1	MAE903	Sociolinguistic Perspectives on the Classroom	This course examines language in its social context, including language use in multilingual communities, social reasons for language change, language planning, pidgin languages, linguistic variation based on geography, social class, and gender, and issues in cross-cultural communication. It also considers the impact these concepts have on Singapore classrooms
2	MAE910	Corpora in Applied Linguistics	This course provides students with a foundation in corpus linguistics for use in research, professional development and pedagogy. Corpus linguistics (CL) is a fast growing field of linguistics that provides unique insights in language through the computer-aided analysis of (large) collections of spoken and written text. This course consists of a series of lectures, seminars and workshops with a significant practical component. Each week has an e-learning module of approximately 1-hour in addition to the three hour face-to-face classes, in which students complete mini-research projects using online corpora and software, such as COCA, BNC, and Lextutor. Most classes have a lab component in order to provide extensive hands-on experience with some of the most widely used CL software tools. No previous knowledge of computer programming or statistics is required.
3	MAE916	Critical Literacy: Theory into Practice in the Language Classroom	This course offers a fresh approach to the teaching of English Language from a critical literacy perspective. While the primary aim of the course is to show participants how to do critical literacy in the classroom and provide models for practice that can be adapted to any context, the theoretical orientation of critical literacy is given equal attention in the course to show how social/critical theory informs classroom practice. The course will inspire participants to take seriously the relationship between language and power and also orient readers critically to the social effects of texts. Participants will be drawn into the key questions critical readers need to pose of texts: whose interests are served, who benefits, who is disadvantaged, who is included, and who is excluded? The pedagogical implications of what it means to live critical literacies through curriculum design will also be explored in the course.
4	MAE920	Second Language Reading Pedagogy	This course will survey theoretical and research perspectives on L2 reading and highlight relevant research studies that have practical applications for the teaching of reading in various educational settings. Work done in the field of second language reading that draws upon a variety of theoretical perspectives, in particular cognitive and social learning theories, in the past two decades will be selectively discussed. Special attention will be given to how understanding about the nature of reading has significantly changed during this period and how this has influenced the way L2 reading is taught and assessed in various L2 learning contexts with diverse groups of learners.

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5	MALC831	Assessment and Learning	In recent years, there has been renewed interest, and a growing body of literature and research on assessment for learning, sometimes referred to as formative assessment or classroom assessment. At the same time, there is a growing awareness of the confluence of assessment and learning and the tensions between assessment and learning as a dialectic. This course is designed to provide educational leaders with a theoretical framework and an informed understanding of the assessment and learning dialectic in various issues so that they can evaluate assessment practices and policies in their own context. Participants are then able to systematically and critically reflect on assessment practices in their own contexts and to learn from the experiences and contexts of others.
6	MAS919	GIS and Geospatial Learning in the Humanities	This course is designed to introduce the use of GIS (Geographic Information Systems) technologies in social sciences. It focuses on the theories and principles of GIS and GIS applications in social sciences, including social studies, urban analysis and planning, tourism, and health geography. The course requires participants to engage in group discussions on spatial phenomena of social issues, and have hands-on exercises through real-world case studies by using ArcGIS software. Through this course, participants will learn to collect data and conduct spatial analysis, interpretation and presentation of geographic information under social context.
7	MCL911	Application of Information and Communication Technologies in Teaching and Learning of Chinese Language	Immersing Information and Communication Technologies (ICT) into Chinese Language classroom is not just about employing digital learning materials or references to aid traditional teaching. More in-depth professional development is required to improve teachers design capacity in engendering different forms of teaching enabled or enhanced by ICT, especially communicative approaches, socio-constructivist learning, and extending language learning beyond the classroom. Moreover, in the context of globalisation in the 21st century, the usage of languages in our daily lives and work environments differs from the past centuries. It is crucial to nurture the students new literacies in utilising Chinese Language for effective communication in the cyberspace, particularly in the new media environments. We need to have a closer link to the 21st century teaching and learning with ICT, providing the natural context for the development of the new literacies.
8	MCL912	Chinese-English Translation and Chinese Language Teaching: From Theory to Practice	Being a multilingual nation, Singapore is unique in its language environment, providing a rich linguistic context for students learning the Chinese language. Our youth today are widely exposed to the Chinese and English languages, using them in their translations. These rich materials should be harnessed for formal language learning. This course will help to equip MEd students with the pre-requisite understanding.
9	MCT902	Curriculum Designing: From Theory to Practice	This course is an introduction to curriculum design and development. The underlying framework for the course is one that views curriculum building as a design process that

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			<p>requires ongoing study of and reflection about curriculum, the needs and motivations of the learner and the practice of teaching within the contexts that the curriculum, learner and teacher are situated. An overview of philosophical perspectives on curriculum will form the basis for exploring central and perennial curriculum questions: What knowledge is of most value and worth? How is the learner and learning viewed? What is the role of teachers in creating and enacting curriculum?</p> <p>In this course, students will work in collaborative groups to reflect on curriculum theory by analyzing curriculum documents. In unpacking the tacit assumptions behind each alternative, students will realize that different contexts require different practices, and begin to appreciate the complexities that underlie each curriculum decision. The process of analysis will reveal that curricula are by necessity always incomplete, imperfect and situated. Everything that is included (topic, activity, question, component, material, assessment, etc.) means that something else has been excluded. However, the decisions are not final. Every enacted curriculum is a prototype for developing greater understanding into the problems and challenges that the curriculum was developed to address, which in turn motivates the redesigning of the curriculum. All this takes place within the contexts of the constantly shifting situations the learners and teachers find themselves in. This being the case, students will suggest refinements to the curriculum they have analysed, based on their understanding of the needs of learners, the socio-political milieu, and the moral and ethical dimensions of schooling.</p>
10	MCT912	Curriculum and Program Evaluation	<p>This course offers an introduction to key considerations in planning and carrying out an evaluation and participants are expected to design an evaluation for a programme of their interest. The course seeks to develop participants competencies in interpreting and designing evaluation research in educational contexts. Through considering the purposes of evaluations, examining major theories and models of evaluation, and analyzing cases, participants will develop understanding of the key elements of evaluation, including framing questions, sampling, data collection and analysis, and reporting of findings. Attention will also be given to ethics and relationships with clients and subjects. Examples from various sources will be used as case studies.</p>
11	MCT921	Theory and Practice of Authentic Assessment	<p>This course aims to provide participants with a sound grasp of the theoretical underpinnings of authentic assessments as well practical skills needed for designing them. The first half of the course will focus on the writings of Dewey and sociocultural theories to better understand the rationale for authentic assessments. They will also examine Messicks construct-based approach as a basis for designing such assessments. The second half of the module will focus on practice with opportunities for participants to critique and</p>

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			review assessments (and their rubrics) currently used in their contexts.
12	MCT935	New Media and 21st Century Learning	This hands-on course aims to engage participants in examining the existing new media environment and provide an embodied new media experience for them. It addresses important, current issues in new media studies with in-depth discussion of popular perceptions/myths and implications to learning. Through the self-directed analysis of media content (critical media consumption) and production of media artefacts and participation in online communities (critical media prosumption), participants will gain a sense of new media culture and form their personal critique on the relationship between new media and 21st century learning for their refined practices.
13	MDP901	Social and Emotional Development and Assessment	This course is one of the two core (required specialization) modules in the Master of Education (Developmental Psychology) programme. The course contains major and classic social and emotional development theories that are fundamental to the participants before they take on other more specialized courses in the programme. It also introduces how to assess childrens social and emotional development.
14	MDP902	Children Cognitive Development and Assessment	Childrens cognitive development is the emergence of the ability to process information, think, and understand. Understanding childrens cognitive development is essential for curriculum development, effective teaching, and good policy making.
15	MDP904	Motivation, Volition and Learning-in-Action	This course is designed to empower teachers, coaches, supervisors or parents to motivate their charges and to develop their volition to love, to will, to think and to make personal improvements so that they become happy and well-adjusted members of the community. The course examines biological-psychological research and theories related to enhancing motivation and volition in young and adult learners. It helps participants to understand why some renowned persons drive themselves to success while others seem to remain in mediocrity. Participants will engage in research practices and reflections as they relate their experiences to theories and hypotheses in daily practices based on the framework of Knowledge-Volition-Action.
16	MDP907	How to Nurture Creative and Happy Learners	It has been said that we live in the VUCA world Volatile, Uncertain, Complex, and Ambiguous. Creative individuals will cope well in the VUCA world, due to their capacity to think of original solutions to complex and challenging problems. At the same time, via incremental improvement or radical transformation of the VUCA world they live in, creative individuals can live happy, enriched and meaningful lives in society.

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			<p>This module infuses its participants with relevant KSAOs (Knowledge, Skills, Abilities and Others) to nurture creative and happy learners in the Singapore context. It achieves this goal by immersing participants in the theoretical and empirical research on creativity and happiness. By mastering this psychological domain of knowledge, participants will become skillful facilitators of creative and happy learners in the classroom, and thereby prepare their students for living and thriving in the VUCA world.</p>
17	MDR901	Theatre Making: Theory, Practice, Pedagogy	<p>This course addresses the growing interest in the use of drama as a pedagogical tool in schools. It addresses the processes of theatre-making, as well as the theories that accompany them, as creative and engaged participants. It will consequently focus on the understanding of theoretical frames, their translation and applicability to the practice of theatre-making, and the use of such practice in the creative classroom. The course is thus suited for educators who want to develop alternative learning spaces that draw on theatre as a creative and dynamic medium. It requires students to have comprehensive knowledge of the theories introduced and to experiment with theatre as a collaborative art form, as well as participate in dialogical processes of developing a vision for theatre in relation to context and culture.</p> <p>The course will be conducted as a lecture/seminar/practical workshop that involves students in critical reading and analysis, theatre improvisations, group discussions and individual reflection. These are done as both non face-to-face and face-to-face activities.</p>
18	MDR902	Drama Education, Curriculum and Assessment	<p>This is a new course for the M.Ed. (Drama) programme and will be a required specialization course. It is a pedagogical methods course and is an integration of 2 old modules Contextualizing Drama Education, and Drama Curriculum as creative Practice. The module covers the basics principles of drama education, drama in the curriculum and assessment in drama.</p>
19	MDR903	The Teacher as Facili-Actor	<p>This course examines the role of the teacher as a reflective and reflexive practitioner, who is both facilitator and actor/performer in her capacity as a collaborative and dialogical educator. It attends to how interactive and participatory learning require teachers to be adaptable to varied styles of learning, and self-aware in relation to multiple cultural dynamics. This entails an ability to improvise and perform multiple roles in order to meet the needs of varied teacher-student dynamics in the 21st century context.</p> <p>The teacher as performer is interrogated in relation to cultural and social practices that inform how teachers are expected to articulate themselves and execute particular duties. Students will engage with performance theory, facilitation techniques and practical tasks that apply notions of performativity to the work of education through drama-based activities and frameworks. They will learn and develop teaching processes</p>

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			that draw from performance strategies and skills. This course responds to the ongoing changes in the education landscape that require teachers to become more engaged in active learning processes that exceed conventional book learning approaches, and embrace holistic, multi-dimensional and inter-disciplinary frames. The arts, particularly drama, is an ideal platform through which to do this, as it is inherently open to change and integrative of multiple knowledges. The teacher as facili-actor can then embody and enact these critical pedagogies and practices.
20	MDR904	Arts-based Research	This is a new course that investigates forms of arts-based research and is structured for students doing CI route. It is also an option for those wishing to take a dissertation and explore possible arts-based research methodologies.
21	MEA901	Research and Issues in Art Education	This course examines the history of the discipline and explores various methodologies, critical theory, and resource material for art educational research. This involves techniques of scholarly and critical writing and evaluation of bibliographic sources. The intention is to assist candidates locate their own approaches to art education within the context of ideas and to understand the orientation and significance of contemporary art education theory and practice.
22	MEA902	Visual Arts and Creativity	* Learners will understand the types of cognition involved in the creative process of art making. * Learners will experience the dynamic role affective responses play in the art making process. * Learners will understand the importance of interdisciplinary knowledge in engendering creative thoughts. * Learners will also acquire foundational knowledge to facilitate creativity in the classroom setting.
23	MEA903	Art and New Media Technology	* To describe and distinguish contemporary practices of Art and New Media Technology * To evaluate affordances of New Media Technology * To develop and create Art works or Art learning tools utilizing New Media Technology
24	MEA904	Art Making and Aesthetic Enquiry	* To discover and observe contemporary art practices though artist studio visits * To evaluate and experiment with ones own artistic practice. * To produce a body of work though a personal artistic investigation.
25	MEC901	Child Development (0-8 years)	The MEC901 course which is the first specialisation course in the MEd (EC) Program, provides the foundation for all the other specialisation courses. This course will help participants conceptualize childrens development across infancy, pre-school and primary school years (birth to 8 years) through the critical review of/reflection on various developmental theories, models, approaches and scholarly works.

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26	MEC902	Issues and Trends in Early Childhood Education	This course aims is to empower participants to explore and reflect critically on key current and historical issues and trends underpinning the developments of early childhood education (ECE), and through this, to examine and discuss how ECE in the Singapore context can benefit from developments in the wider field, and yet stay relevant to its contextual demands.
27	MEC903	Research Investigations in Early Childhood Education	This course introduces students to the research design process in early childhood related topics. This course is essential in preparing students for their dissertation and MMM800 (Critical Inquiry) course which would require them to conduct a small research study within a single semester. This course provides the necessary preparation by allowing students to craft a coherent research design gathering literature, sifting through theories, identifying a focused topic and honing in on the studys purpose as well as selecting the specific research methodology for their study which is centered in the early years and commonly used in early childhood education.
28	MEC910	Pedagogy in Early Childhood education	This course will help participants enact the early childhood curriculum into practice based on a good understanding of human development, learning and behaviour. It will also provide them with the knowledge and skills on how to teach both young and adult learners as many of them would be teaching, coaching and mentoring younger teachers in the early childhood (EC) sector. For this course on Pedagogy in ECE, participants will draw on and create connections with the various courses which they may have undertaken previously (e.g. child development, curriculum, assessment, diversity, leadership, etc).
29	MEL902	Analyzing Literature and Language	This course introduces participants to the study and analysis of styles in canonical and non-canonical literary texts, as well as other similarly creative texts such as advertisements, using fundamental linguistic and literary tools. It is an interdisciplinary course spanning the borders of English language and English literature, which are presently framed in the school curriculum as two subjects even though they are mutually constitutive fields of inquiry. As education expands globally and exponentially, it is imperative that both language teachers and literature teachers promote learners who are able to systematically identify and critically evaluate or appreciate the qualities of language used for particular effects in a plethora of creative texts which exist around them. Participants in this course will have opportunities to examine and describe the forms of texts, interpret their communicative functions and offer evaluations of the textual effects created, supported by language-based evidence.

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30	MEL914	Teaching Oral Communication: Current Theories and Approaches	The aim of the course is to introduce contemporary theoretical notions and pedagogical frameworks and approaches related to teaching listening and speaking such as the metacognitive, cognitive and social processes involved in oral communication, the principles and procedures for evaluating listening and oral competence, and the incorporation of multimodal and literary texts. You will explore how to apply the ideas covered and discussed in this course in your own teaching context, which are also relevant to, and can be adapted for, the teaching of other languages in both first and second language contexts.
31	MEL918	Reading in a Multimodal Age	This course aims to introduce participants to various theories in the teaching of reading from early to adolescent literacy. Students will explore skills-based instruction and constructivist approaches, cognitive and sociocultural theories of reading, and discuss the implications of these ways of thinking for their classroom teaching and assessment. Furthermore, students will explore what it means to read in a multimodal age, and examine the reading and viewing of visual and other multimodal texts.
32	MEL920	Creative Writing in the Classroom	Creative writing, whether in fiction or non-fiction, is part and parcel of the English language curriculum in Singapore and around the world. The course will engage teachers of English language and literature in the very processes of creative writing that they would have their own students engage in. Practical experience in, along with theoretical and research knowledge of, the craft of writing, can help teachers reflect critically on their own pedagogical approaches in the composition classroom.
33	MHA901	Understanding Learners with High Ability and their Affective and Moral Needs	This course provides an overview to the intellectual, socio-affective and moral needs of learners with high ability. Teachers will be introduced to the historical and philosophical background and current thinking in the education of learners with high ability. The course would also look into the typical personality characteristics of highly intelligent and creative persons. Other issues related to spiritual intelligence, emotional giftedness, moral reasoning, intensities in energy levels and positive maladjustment will be explored. Discussions of motivational and volitional strengths as sources of productive behaviours; underachievement and dual exceptionalities will be featured as well to enhance the capacity of professionals in this area to make a difference in their students development and address their affective, moral, as well as cognitive needs.

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34	MHA902	Identification of Potential and Administration of Interventions for High Ability Learners	<p>This course presents guiding principles for the identification and administration of programmes designed for High Ability Learners and Talent Development. Identification methods, criteria and procedures, tests used to identify the gifted and assessment issues will be discussed in view of programming provisions and intervention possibilities. Alternative identification tools and forms of intervention will be introduced with regard to culturally deprived gifted population and invisible underachievers. Standards for systematically developing, implementing and managing appropriate programmes to meet the needs of High Ability Learners at primary and secondary school levels will be examined. Issues relating to the integration of such programmes into general education programming; professional development and resources to support such programmes will be discussed.</p>
35	MHA904	Critical and Creative Thinking for High Ability Learners	<p>The course aims to prepare teachers for the challenges of developing thinking dispositions in students and developing classes into thinking communities. It builds an understanding of creative and critical thinking processes in highly creative and intellectually gifted learners. It promotes pedagogy that is informed by whole brain research and functioning. Other than examining the 4Ps in creativity the person, process, product and press, it will discuss the intricacies of the creative-problem solving process and what constitutes a creative product. The development of higher-order analytical thinking, logical thinking, perception, imagination and discovery will be included in discussions. Research on the effectiveness of the use of different models of instruction that promote critical and creative thinking is explored for possible applications.</p>
36	MHA906	Using Multicultural Children's Literature to Facilitate Social and Emotional Learning among Exceptional Learners	<p>While teachers have constantly been tasked to infuse SEL (socio-emotional learning) components and higher-order thinking in the classroom, many are uncertain as to how these can be effectively implemented, particularly with gifted and talented readers. Research has indicated how exceptional picturebooks and young adult literature have served to contribute to the nurturing of social and emotional development among gifted children and adolescents (Hebert Kent, 2000). Some of the more common effects of gifted readers experiences in the classroom include a stagnant reading growth, boredom, low motivation for reading, and even outright refusal to read as many of the readers do not see the literature introduced to them by their teachers as relevant or challenging enough for them (Wood, 2008). This course module aims to build the capacity of teachers to make use of multicultural childrens literature to inspire student aspirations (Fullan Langworthy, 2014) as they are exposed to relevant multicultural childrens literature that would challenge their thinking as well as help enhance empathy, tolerance, and ideations of social justice among gifted and talented readers. Teachers would be exposed to a diverse multicultural text-set that aims to develop gifted students metacognitive, critical and creative thinking skills as they recognize who they are and</p>

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			their place in the world through outstanding multicultural childrens literature.
37	MME922	Numbers and the Teaching of Numbers	<p>This is a specialisation elective course for the MEd (Mathematics) programme.</p> <p>This course contributes to the following programme objectives particularly in the area of numbers and its teaching: (1) build the participants knowledge of the mathematics subject matter; (2) develop the participants ability to relate the theoretical ideas in mathematics education to the authentic problems of practice faced by teachers in the classroom. In addition, the course also covers students misconceptions in the learning of numbers in support of another programme objective of providing participants with knowledge related to specific ideas in mathematics education.</p>
38	MML905	School-Based Curriculum Design for Malay Language Teaching	<p>In the Malay Language Curriculum Pedagogy Review Committee Report (MLCPRC) 2005, among its recommendations were the need to have ML teachers identifying and nurturing their students to become the best that they can be in the learning of the language. The concept of Differentiated Instructions was also introduced to enhance and engage student learning. In 2010, the Mother Tongue Languages Review Committee submitted their recommendation indicating the need to make the teaching and learning of Mother Tongue Language more purposeful and dynamic to the needs of students and the changing demographic background of learners. Bearing these two policy reports in mind, and the Curriculum 2015 (C2015) in detailing broad-based and holistic curriculum as well as calling for finer customization of learning, there is a need for a course on school-based curriculum design (SBCD) for the teaching of ML. Also, the relevance of SBCD in Malay Language by taking into account the latest educational theories, approaches and challenges will also be examined. This course will help participants understand the concept of SBCD and how it can be implemented in the context of ML teaching and learning in Singapore schools. Participants will also be required to plan and analyze the effectiveness of an SBCD programme.</p>
39	MPM904	Attitude Measurement and Personality Assessment	<p>This course covers the non-cognitive aspects of educational assessment. Non-cognitive attributes such as attitudes, interests, and personality are important to education for the 21st century. The course complements those of cognitive assessments, to provide the breadth of knowledge for a MEd (Educational Assessment) graduate.</p>
40	MPM905	Programme Evaluation	<p>It is important that stakeholders are able to know if current programmes in schools and organisations are effective and are bringing about the intended outcomes as planned. Periodic monitoring is also important to ensure that the standard and quality of the programmes remain robust. This</p>

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			course is therefore designed to help practitioners learn the skills of programme evaluation to enable them to appraise educational, social and community programmes in their organisations in a scientific and systematic manner - one that is grounded in the science of programme evaluation. As a specialisation elective, the course caters to the interested MEd (Educational Assessment) student.
41	MPM909	Elementary Statistics for Education	This course provides the MEd (Educational Assessment) graduate student with the skills and understanding of elementary statistics and their applications in the social and behavioural sciences. Basic statistical literacy is required in a critical reading of research literature and in conducting sound research. It is essential knowledge for a MEd(Educational Assessment) graduate working in the field of educational measurement and evaluation
42	MSC903	Science as Practice	<ul style="list-style-type: none"> * To provide more science education courses for participants to choose in the MEd programme * To strengthen the theory and practice nexus of science as practice in science teaching * To enable participants to make connections between the ideas of science as practice to other classroom practices
43	MSC904	Assessment of Students' Alternative Conceptions and Conceptual Change	<ul style="list-style-type: none"> * To strengthen the theory-practice nexus of the constructivist perspective, as introduced in the foundation course (MSC 881) * To raise educators awareness of student difficulties in school science and for them to design instruction to address these difficulties in order to help students learn meaningfully * To introduce research in identifying misconceptions and effecting conceptual change
44	MSC906	Representations and New Media in Science Education	Learning science involves students making sense of and generating multiple modes of representations (e.g., written text, images and mathematical symbols) that characterise science. Classroom teachers also make use multiple media and forms of representations to present the subject matter and shape their students conceptual understanding. This course will offer participants an overview of the theories and analytical tools so that participants are able to examine representations and media that are used in research and in classroom practice. In addition, participants will apply the theories learned to analyse representational artifacts commonly used in the teaching of science (e.g., diagram, textbook), including the use of new media such as simulation and video to determine their efficacy in supporting student learning.
45	MSE902	Human Development	This course examines the major dimensions of typical and atypical physical, cognitive, moral, emotional and social developments in relation to the patterns of growth, stability and change, which occur across the lifespan. The impact of biological, psychological, and social challenges on human development will be explored. An ecological perspective will be utilized to understand the individual, family, community,

SN	Course code	Course title	Course Descriptors
			<p>and society issues related to these challenges. A range of developmental learning theories will be introduced to help explain different outcomes in terms of learning, personality, behaviour, mental capacities and processes, and the influences of culture and language. Alongside the general theories of human development, disability will be introduced through a life course approach to offer an alternative framework for thinking about disability as it affects people of all generations and at all points of life course transition. This perspective is important, because it highlights how disabling societies and practices affect the population under consideration i.e. children, young people and adults, helping us to understand life course transitions in a collective way, and how this shapes our understanding of disability in the social world. Participants will be encouraged to link theoretical perspectives and empirical studies with their roles as educators in order to help them develop the necessary understanding and skills to assist others in navigating lifes present and future challenges.</p>
46	MSE911	Learning Disabilities	<p>This course introduces students to the nature and cause of learning disabilities, and their assessment and intervention. Students will also have the opportunity to examine the research literature on the effectiveness of various practices as well as learn about the issues and debates in the field. This course provides an in-depth study on learning disabilities to equip students with relevant content knowledge and selected intervention skills to work with learners with learning challenges.</p>
47	MSE913	Curriculum Design and Development	<p>This course introduces curriculum design and development models and practices pertinent to the field of special education. Students will demonstrate the why, what and how of curriculum design and development. Effective teaching and learning requires a renewed focus on the unique needs of individual learners and an understanding of differentiated curricula and pedagogies to meet the needs of these learners. This course aims to offer the knowledge and skills to develop appropriate curricula and instructional approaches to accommodate learners with diverse needs ranging from those with high support needs to those who are gifted and talented.</p>