

Note: Participants must complete the entire set of modularised courses to be considered as completing one course. E.g. Completing MTC902A, MTC902B and MTC902C to be considered as completing MTC902.

| Graduate Certificate              | Course Code   | Course Title  |  |
|-----------------------------------|---|---|--|
| Advanced Pedagogical Practices    | MTC902<br>OR<br>MTC902A<br>MTC902B<br>MTC902C         | Designing Curriculum: Theory and Practice<br>OR<br>The Teacher and the Curriculum<br>The Elements of Curriculum and Curriculum Designing<br>Teachers as Curriculum Designers  |  |
|                                   | MTC903<br>OR<br>MTC903A<br><br>MTC903B<br><br>MTC903C | Assessment for Learning: Theory and Practice<br>OR<br>Assessment for Learning: An Overview of Theory and Practice<br>Assessment for Learning: Deep Dive into Issues and Possibilities<br>Assessment for Learning: Putting it Together   |  |
|                                   | MTC904<br>OR<br>MTC904A<br><br>MTC904B<br><br>MTC904C | Facilitating Learning in the Digital Age<br>OR<br>Facilitating Learning in the Digital Age: Part 1 Digital Learning - The Tripartite Relationship<br>Facilitating Learning in the Digital Age: Part 2 Digital Learning - Theory-Practise Nexus<br>Facilitating Learning in the Digital Age: Part 3 Digital Learning - Critical Perspectives and Deepening Understanding |  |
|                                   | Curriculum and Teaching                               | MCT902  | Crafting the Curriculum                                      |
|                                   |   | MCT921  | Theory and Practice of Authentic Assessment                  |
|                                   |   | <i>Select any 1 of the following courses:</i>   |  |
|                                   |   | MCT904  | Understanding Teachers and Teaching: Theory and Practice     |
|                                   |   | MCT912  | Curriculum and Programme Evaluation                          |
|                                   |   | MCT913  | Differentiating Curriculum and Teaching for Diverse Learners |
|                                   | MCT935  | New Media and 21st Century Learning   |  |
|                                   | Drama Education                                       | MDR901  | Theatre Making: Theory, Practice, Pedagogy                   |
|                                   |   | MDR902  | Drama Education, Curriculum and Assessment                   |
| MDR903                            |   | The Teacher as Facili-Actor   |  |
| Early Childhood Studies           | MEC901  | Child Development (0-8 years)   |  |
|                                   | MEC902  | Issues and Trends in Early Childhood Education  |  |
|                                   | MEC903  | Research Investigations in Early Childhood Education  |  |
| Instructional Design (E-Learning) | MID901  | Instructional Design Models and Practices   |  |
|                                   | MID941  | Evaluation Model and Methods  |  |
|                                   | MID922  | E-Learning Tools for Training (Pre-requisite: Completed MID901)   |  |
| Learning & Development            | MDP904  | Motivation, Volition and Learning in-Action   |  |
|                                   | MDP907<br>OR<br>DP907A<br>DP907B                      | How to Nurture Creative & Happy Learners<br>OR<br>Discovering My Creative Self: A Psychological Journey<br>Discovering My Happy Self: A Psychological Journey   |  |

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|   | DP907C   | Discovering My Creative & Happy Self: Further In & Further Out                 |
|   | <i>Select any 1 of the following courses:</i>  |  |
|   | MDP909   | Assessment and Development of 21st Century Competencies                        |
|   | OR   | OR   |
|   | DP909A   | Principles and Perspectives of Assessing 21 <sup>st</sup> Century Competencies |
|   | DP909B   | Designing Task and Rubric for Assessing 21 <sup>st</sup> Century Competencies  |
|   | DP909C   | Assessing 21st Century Competencies  |
|   | MDP906   | Personality and Attitude Assessment  |
| Physical Activity and Health<br>(Completed any 3 courses) | MES906   | Exercise Physiology  |
|   | MES910   | Physical Activity, Nutrition & Health  |
|   | MES911   | Psychology of Physical Activity  |
|   | MES912   | Sports Injuries - Understanding, Prevention and Management                     |
| Professional Training and Development                     | MTD903   | Instructional Design Models and Practices                                      |
|   | MTD908   | Training Methods and Strategies  |
|   | MTD909   | E-learning Tools for Training (Pre-requisite: completed MTD903)                |
| Mind, Brain, and Education<br>(Completed any 3 courses)   | MSL901   | Foundations in Science of Learning   |
|   | OR   | OR   |
|   | MSL901A  | Understanding Developments in Science of Learning                              |
|   | MSL901B  | Applying Cognitive and Affective Science of Learning                           |
|   | MSL901C  | The 'science' of Human Learning (Pre-requisite: MSL901A & MSL901B)             |
|   | MSL904   | Educational Neuroscience: Principles, Perspectives, Practices                  |
|   | OR   | OR   |
|   | MSL904A  | Foundations of Educational Neuroscience  |
|   | MSL904B  | Understanding Perspectives in Educational Neuroscience                         |
|   | MSL904C  | Applying Social Neuroscience (Pre-requisite: MSL904A & MSL904B)                |
| MSL906  | Education at the Intersection of Artificial Intelligence and Neuroscience              |  |
| OR  | OR   |  |
| MSL906A   | Understanding AI-enabled Computational Neuroscience                                    |  |
| MSL906B   | Analyses using AI-enabled Computational Neuroscience                                   |  |
| MSL906C   | Applying Technologies at the Intersections of Artificial Intelligence and Neuroscience |  |
| MSL907  | Translating Educational Neuroscience   |  |
| OR  | OR   |  |
| MSL907A   | Understanding Translational Research   |  |
| MSL907B   | Ethical concerns of translating Educational Neuroscience                               |  |
| MSL907C   | Evaluating Science of Learning Translation   |  |
|   | MSC903   | Science as Practice  |
|   | OR   | OR   |
|   | MSC903A  | What is science? - Demystifying science  |
|   | MSC903B  | Drilling deeper: Theories of science as practice                               |
|   | MSC903C  | Overcoming the tensions and challenges for authentic science learning          |

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| Science Education                                  | MSC904<br>OR<br>MSC904A<br>MSC904B<br>MSC904C             | Alternative Conceptions and Conceptual Change in Science Learning<br>OR<br>Understanding alternative conceptions in science<br>Ways to diagnose alternative ideas in science<br>Investigating and addressing alternative ideas in science   |
|  | MSC906<br>OR<br>MSC906A<br><br>MSC906B<br><br>MSC906C     | Representations and New Media in Science Education<br>OR<br>Exploring different modes of representing complex ideas in science<br>Making sense of science: Unpacking how science is represented<br>Constructing representations for teaching science  |
| Special Education                                  | MSE902  | Human Development   |
|  | MSE911  | Learning Disabilities   |
|  | MSE915  | Assessment of Children and Youth with Special Needs   |
| Tamil Language Education (Completed any 3 courses) | MTL901<br><br>OR<br>MTL901A<br><br>MTL901B<br><br>MTL901C | Tamil Curriculum, Materials including IT: Selection and Evaluation<br>OR<br>Conceptualizing Curriculum Design, Development, Planning and Instruction in Tamil<br>Strengthening the Links in Curriculum Concepts in Tamil Language Education<br>Understanding, Designing and Reviewing the Tamil Language Curriculum |
|  | MTL903<br>OR<br>MTL903A<br><br>MTL903B<br><br>MTL903C     | Tamil Language in Education<br>OR<br>Definition and Concepts of Teaching Tamil as a Second Language<br>Approaches and Strategies in Teaching, Learning and Assessing Tamil Language<br>Building and Developing Tamil Teacher Capacity   |
|  | MTL907<br>OR<br>MTL907A<br><br>MTL907B<br><br>MTL907C     | History of Singapore Tamil Education and Tamil Literature<br>OR<br>Teaching Tamil Language with Singapore Historical Perspectives<br>Implications on Teaching Tamil Language from Reviews and Reports<br>Teacher Training to Teacher Upgrading in Tamil Language and Literary Education                             |
|  | MTL908<br><br>OR<br>MTL908A<br><br>MTL908B<br><br>MTL908C | An Introduction to Sociolinguistics and Bilingualism for Tamil<br>OR<br>Language, Language Acquisition and Learning in Tamil Language<br>Promoting Tamil Language in Multilingual Singapore Society<br>Teaching Tamil Language in Bilingual and Multilingual Education  |
|  | MCL902<br>OR<br>MCL902A<br>MCL902B<br><br>MCL902C         | Topics on Chinese Language and Its Teaching<br>OR<br>Learning of Chinese characters and etymology<br>Learning of contemporary Chinese vocabulary and contemporary Chinese lexical Items<br>Learning of Chinese phonetics and Chinese rhetoric   |

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| Teaching and Learning Chinese Language (Completed any 3 courses) | MCL905  | Character and Citizenship Education and its Pedagogy in Singapore Primary Schools                          |
|  | OR      | OR   |
|  | MCL905A | The learning of Character and Citizenship Education (CCE) with Inquiry-based teaching                      |
|  | MCL905B | The teaching of Character and Citizenship Education (CCE) out of school                                    |
|  | MCL905C | The teaching of Character and Citizenship Education (CCE) within the school context                        |
|  | MCL910  | Chinese Language Testing and Assessment  |
|  | OR      | OR   |
|  | MCL910A | Chinese Language Testing and Assessment: Theoretical overview  |
|  | MCL910B | Chinese Language Testing and Assessment: Global perspectives   |
|  | MCL910C | Chinese Language Testing and Assessment: Application in local contexts                                     |
| MCL911   | MCL911  | Application of Information and Communication Technologies in Teaching and Learning of Chinese Language     |
|  | OR      | OR   |
|  | MCL911A | Designing technology-enhanced learning to nurture self-directed learning of Chinese Language               |
|  | MCL911B | Designing technology-infused formative assessment to improve students' learning of Chinese                 |
| MCL911C  | MCL911C | Designing technology-enhanced learning (TEL) lessons to support collaborative learning of Chinese Language |
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| Teaching and Learning Music                                      | MUE901  | Issues in Music Education  |
|  | MUE902  | Philosophy of Music Education  |
|  | MUE904  | Studies in Musical Behaviours  |
| Technology for Teaching and Learning                             | MLT903  | Technologies as Cognitive Tools  |
|  | MLT912  | Design for Blended Learning  |
|  | MLT913  | Technology Supported Assessment  |
| Understanding Diverse Learners                                   | MEC901  | Child Development (0-8 years)  |
|  | MHA901  | Understanding Learners with High Ability and their Affective and Moral Needs                               |
|  | MSE915  | Assessment of Children and Youth with Special Needs  |
| Teaching and Learning of Drama and Art                           | MDR903  | The Teacher as Facili-Actor  |
|  | MEA902  | Visual Arts and Creativity   |
|  | MEA903  | Arts Education and Technology  |
| Teaching and Learning in Higher Education                        | MTD903  | Instructional Design Models and Practices  |
|  | MTD913A | Teaching and Learning in Higher Education: Foundations   |
|  | MTD913B | Teaching and Learning in Higher Education: Course Design   |
|  | MTD913C | Teaching and Learning in Higher Education: Reflective Practice   |
|  | MTD914  | Facilitate teaching and learning with technology   |

Updated as of April 2024