

## Four-Year Study Plan of Digital Social Science Programme (2023 cohort)

Rev 20250626

Rev 20230620

| Course Code                                      | Course Title                                                                                                                                                                                          | Year One |       | Year Two |       | Year Three |       | Year Four |       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|-------|------------|-------|-----------|-------|
|                                                  |                                                                                                                                                                                                       | Sem 1    | Sem 2 | Sem 1    | Sem 2 | Sem 1      | Sem 2 | Sem 1     | Sem 2 |
| I. Major Required Courses (54 Units)             |                                                                                                                                                                                                       |          |       |          |       |            |       |           |       |
| DSS1013                                          | Big Ideas in Social Sciences                                                                                                                                                                          | 3        |       |          |       |            |       |           |       |
| DSS1023                                          | Invitation to Digital Social Science                                                                                                                                                                  |          | 3     |          |       |            |       |           |       |
| DS1013                                           | Python Programming for Beginners                                                                                                                                                                      |          | 3     |          |       |            |       |           |       |
| DSS2023                                          | Behavioral Science and the Digital World                                                                                                                                                              |          |       | 3        |       |            |       |           |       |
| GDST1083                                         | Web Publishing: The Science behind the Content on the Web                                                                                                                                             |          |       | 3        | 3     |            |       |           |       |
| POLS2073                                         | Cooperation and Progress in the Guangdong-Hong Kong-Macau Greater Bay Area                                                                                                                            |          |       | 3        |       |            |       |           |       |
| DS2003                                           | Fundamentals of Database Systems                                                                                                                                                                      |          |       |          | 3     |            |       |           |       |
| ENV3073                                          | Introduction to Geographic Information Systems for Environmental Management                                                                                                                           |          |       |          | 3     | 3          |       |           |       |
| GTSC2053                                         | Telling a Story with Data                                                                                                                                                                             |          |       |          | 3     |            |       |           |       |
| MCOM1013                                         | New Media, Culture and Society                                                                                                                                                                        |          |       |          | 3     |            |       |           |       |
| DSS2013                                          | Smart City                                                                                                                                                                                            |          |       | 3        |       | 3          |       |           |       |
| DSS2033                                          | Social Policy in Digital Society                                                                                                                                                                      |          |       |          |       | 3          |       |           |       |
| DSS3003                                          | Culture, Diversity and Society                                                                                                                                                                        |          |       |          |       | 3          |       |           |       |
| GLD3063                                          | Data Analysis for Social Sciences                                                                                                                                                                     |          |       |          |       |            | 3     |           |       |
| PRA3063                                          | Digital Media and Strategic Communication<br>AI and Strategic Communications                                                                                                                          |          |       |          |       |            | 3     |           |       |
| DSS3033                                          | Ethics and Legal Issues in Digital Society                                                                                                                                                            |          |       |          |       |            |       | 3         |       |
| DSS4023                                          | Final Year Project in Digital Social Science                                                                                                                                                          |          |       |          |       |            |       |           | 6     |
| II. Major Elective Courses (21 Units)            |                                                                                                                                                                                                       |          |       |          |       |            |       |           |       |
| ME01 ME02 ME03 ME04 ME05 ME06 ME07               |                                                                                                                                                                                                       |          |       |          |       | 6          | 6     | 6         | 3     |
| III. University Core Courses (37 Units)          |                                                                                                                                                                                                       |          |       |          |       |            |       |           |       |
| UCLC1003                                         | University Chinese                                                                                                                                                                                    | 3        |       |          |       |            |       |           |       |
| UCLC1013                                         | English for Academic Purposes I                                                                                                                                                                       | 3        |       |          |       |            |       |           |       |
| UCLC1023                                         | English for Academic Purposes II                                                                                                                                                                      |          | 3     |          |       |            |       |           |       |
| UCLC1033                                         | English for Academic Purposes III                                                                                                                                                                     |          |       |          | 3     |            |       |           |       |
| CHI1103                                          | Introduction to Modern Social Theories                                                                                                                                                                | 3        |       |          |       |            |       |           |       |
| CHI1203                                          | Morality and Foundations of Law                                                                                                                                                                       |          |       | 3        |       |            |       |           |       |
| CHI1063                                          | Chinese Culture and Modern China                                                                                                                                                                      |          |       |          | 3     |            |       |           |       |
| CHI1073                                          | Contemporary Chinese Society and Thought I                                                                                                                                                            |          | 3     |          |       |            |       |           |       |
| CHI1253                                          | Contemporary Chinese Society and Thought II                                                                                                                                                           |          | 3     |          |       |            |       |           |       |
| CHI1193                                          | Contemporary World and China <sup>①</sup>                                                                                                                                                             |          |       |          | 2     |            |       |           |       |
| MT1003                                           | Military Training                                                                                                                                                                                     | 2        |       |          |       |            |       |           |       |
| WPEX1013                                         | Emotional Intelligence                                                                                                                                                                                |          | 1     |          |       |            |       |           |       |
| WPEX2013                                         | Experiential Arts <sup>②</sup>                                                                                                                                                                        |          |       |          | 1     |            |       |           |       |
| WPEX2023/<br>WPEX2033                            | Voluntary Service <sup>②</sup> , or Environmental Awareness <sup>②</sup>                                                                                                                              |          |       | 1        |       |            |       |           |       |
| UCHL1XX3                                         | Healthy Lifestyle <sup>②</sup>                                                                                                                                                                        | 1        | 1     |          | 1     |            |       |           |       |
| IV. General Education Courses (18 Units)         |                                                                                                                                                                                                       |          |       |          |       |            |       |           |       |
| Level 1<br>Foundational<br>Courses               | History and Civilization <sup>②</sup>                                                                                                                                                                 |          |       | 3        |       |            |       |           |       |
|                                                  | Quantitative Reasoning <sup>②</sup>                                                                                                                                                                   | 3        |       |          |       |            |       |           |       |
|                                                  | Values and the Meaning of Life <sup>②</sup>                                                                                                                                                           |          | 3     |          |       |            |       |           |       |
| Level 2<br>Interdisciplinary<br>Thematic Courses | Culture, Creativity and Innovation <sup>②</sup> , or Science,<br>Technology and Society <sup>②</sup> , or Sustainable Communities <sup>②</sup>                                                        |          |       | 3        |       | 3          |       |           |       |
| Level 3<br>GE Capstone<br>Courses                | Service-Learning Course <sup>②</sup> , or Service Leadership<br>Education Course <sup>②</sup> , or Experiential Learning Course <sup>②</sup> , or<br>Interdisciplinary Independent Study <sup>②</sup> |          |       |          |       |            | 3     |           |       |
| V. Free Elective Courses (21 Units)              |                                                                                                                                                                                                       |          |       |          |       |            |       |           |       |
| FE01 FE02 FE03 FE04 FE05 FE06 FE07               |                                                                                                                                                                                                       | 3        |       |          |       | 3          | 6     | 6         | 3     |
| Total Units: 151                                 |                                                                                                                                                                                                       | 21       | 20    | 19       | 22    | 21         | 21    | 15        | 12    |

① This 2-unit course requires student to attend at least 10 lectures within his/her first two years of study.

② This denotes a course category in which a list of courses may be developed for students' selection. Students are expected to refer to the Online Course Selection System for courses available under each category.

**ME Course List of DGS (2023 cohort)**

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| Course Code        | Course Title                                                              | Units |
|--------------------|---------------------------------------------------------------------------|-------|
| DHSS2003           | Transcultural Exchange in the Humanities and Social Sciences              | 3     |
| DSS2043            | Machine-Learning Mathematics for Non-Science Students                     | 3     |
| DSS3013            | Education Policy and Digital Society                                      | 3     |
| DSS3023            | Network Analysis for Social Planning                                      | 3     |
| DSS3043            | Digital Emergency and Disaster Risk Management                            | 3     |
| DSS3053            | Learning Organizations                                                    | 3     |
| DSS3063            | Social Welfare Informatics                                                | 3     |
| DSS3073            | Classical Sociological Theory and the Digital World                       | 3     |
| DSS3083            | Quantum Social Science                                                    | 3     |
| DSS3093            | Chinese Society and Social Development in the Digital Age                 | 3     |
| DSS3103            | Sociology of Transcultural Foods and Digital Platforms                    | 3     |
| DSS4033            | Digital Social Science Internship                                         | 3     |
| DSS4043            | Digital Disease and Health Service Management                             | 3     |
| DSS4053            | AI-Human Collaboration: Principles, Applications, and Social Implications | 3     |
| DSS4063            | Healthy Living and Healthy Life in the Digital Age                        | 3     |
| DSS4073            | Sociology of Digital Transformation                                       | 3     |
| DSS4083            | Artificial Intelligence and Society                                       | 3     |
| DSS4093            | Sociology of Digital Culture                                              | 3     |
| ENG2053            | Professional and Technical Writing                                        | 3     |
| ENG2123            | Introduction to Corpus Linguistics                                        | 3     |
| ENG2143            | New Media Literacies                                                      | 3     |
| ENG3073            | Language and Society                                                      | 3     |
| ENG3153<br>ENG2223 | English Through Media                                                     | 3     |
| ENG3203            | Language and Intercultural Communication                                  | 3     |
| GLD3123            | Public Administration for the Digital Society                             | 3     |
| GLD3153            | Transnational Migration and Development                                   | 3     |
| PRA4073            | Big Data and Advertising                                                  | 3     |
| STAT1013           | Introduction to Probability and Statistics                                | 3     |
| TESL3013           | Language and Education                                                    | 3     |
| TRA3063            | Media Translation                                                         | 3     |
| TRA3113            | Commercial Translation                                                    | 3     |
| TRA3123            | Computer-Aided Translation                                                | 3     |