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|-------------------------------|--|
| Faculty/School                | <b>Malaysia-Japan International Institute of Technology /<br/>Department of Chemical and Environmental Engineering</b> |
| Program Name                  | <b>Master of Science (Sustainable Urban Design)</b>  |
| Program Code                  | <b>MRSS</b>  |
| Mode of Program               | <b>Taught Course</b>   |
| Academic Session/<br>Semester | <b>20242025/2</b>  |

## COURSE MENU

| <b>University General Courses</b> |   |               |
|-----------------------------------|---|---------------|
| <b>Course Code</b>                | <b>Course Name</b>  | <b>Credit</b> |
| UMJJ6013                          | Basic Japanese Language and Culture (MJIT)                | 3             |
| <b>URSP0013</b>                   | <b>Research Methodology (MSUD – Section 08)*</b>          | 3             |
| UHAP6013                          | Seminar on Global Development, Economic and Social Issues | 3             |
| UHS 6013                          | Philosophy of Science and Civilization                    | 3             |
| UHAP 6013                         | Dynamics of Leadership                                    | 3             |
| UBSE 1123                         | Organizational Behavior and Development                   | 3             |
| UECS 6023                         | Introduction to Technopreneur-ship                        | 3             |
| UHMZ 6023                         | Malaysian Society and Culture                             | 3             |
| UECS 6013                         | IT Project Management                                     | 3             |
| URTS 6013                         | Environmental Ethics                                      | 3             |
| UHLMZ 6013                        | Malay Language for Post Graduates                         | 3             |
| UBSS 6023                         | Business Ethics, Responsibility and Sustainability        | 3             |

| <b>Core Faculty Courses (Compulsory)</b> |  |               |
|--|--|---------------|
| <b>Course Code</b>                       | <b>Course Name</b>                                       | <b>Credit</b> |
| MRSS1145*                                | Sustainable Urban Dynamics and Urban Regeneration Studio | 3             |
| MRSS1114**                               | Sustainable Urban Design Theory and Methods              | 3             |

\*Core subject need to be taken (Student in Semester 1 & 2); \*\* Core subject need to be taken (Students in Semester 1 only)

| <b>Elective Courses (9 credit) (Choose 3 only)</b> |   |               |
|--|---|---------------|
| <b>Course Code</b>                                 | <b>Course Name</b>                          | <b>Credit</b> |
| MRSS1153*  | Sustainable Urban Dynamics and Regeneration | 3             |
| MRSS2213   | Sustainable Housing Development             | 3             |
| MRSS2183   | Sustainable Design and Construction         | 3             |

\*Students taken MRSS1145 choose MRSS1153 as one of the elective course

| <b>Research Courses (Compulsory)</b> |                    |               |
|--------------------------------------|--------------------|---------------|
| <b>Course Code</b>                   | <b>Course Name</b> | <b>Credit</b> |
| MRSS1144                             | Master Project 1   | 4             |
| MRSS2116                             | Master Project 2   | 6             |

\*Master project 1 in semester 2, Master project 2 in semester 3

**PROGRAM STRUCTURE (MSUD Program)**

| SYLLABUS FOR SEMESTER 1    | COURSE CODE   | SEMESTER 2_20242025 | SECTION   | DAY & TIME | LECTURER'S NAME & CONTACT NO : (Email & HP no.)   |
|----------------------------|---|---------------------|-----------|------------|---|
| Core Faculty Courses       | MRSSS1145<br>Sustainable Urban Dynamics and Urban Regeneration Studio | 1                   | 01        |            | Dr. Rohayah binti Che Amat<br><a href="mailto:rohayah.cheamat@utm.my">rohayah.cheamat@utm.my</a><br>Ts. Dr. Mohammad Hussaini bin Wahab<br><a href="mailto:hussaini.kl@utm.my">hussaini.kl@utm.my</a><br>Nor Beha binti Ahmad<br><a href="mailto:bieha.nba@gmail.com">bieha.nba@gmail.com</a> |
|                            | MRSS1114<br>Urban Design Theory and Methods                           | 1                   | 01        |            | Dr. Rohayah binti Che Amat<br><a href="mailto:rohayah.cheamat@utm.my">rohayah.cheamat@utm.my</a>  |
| Elective Course            | MRSS1153<br>Sustainable Urban Dynamics and Urban Regeneration         | 1                   | 01        |            | LAr. Nor Beha binti Ahmad<br><a href="mailto:bieha.nba@gmail.com">bieha.nba@gmail.com</a>   |
|                            | MRSS2213<br>Sustainable Housing Development                           | 1                   | 01        |            | Dr Wan Nurul Mardhiah Wan Rani<br><a href="mailto:wnurul.kl@utm.my">wnurul.kl@utm.my</a>  |
| SYLLABUS FOR SEMESTER 2    | COURSE CODE   | SEMESTER 1_20252026 | SECTION   |            | LECTURER'S NAME & CONTACT NO : (Email & HP no.)   |
| Core Faculty Courses       | MRSS 1135<br>Sustainable Urban Landscape Studio                       | 2                   | 01        |            | LAr. Nor Beha binti Ahmad<br><a href="mailto:bieha.nba@gmail.com">bieha.nba@gmail.com</a><br>Dr Wan Nurul Mardhiah Wan Rani<br><a href="mailto:wnurul.kl@utm.my">wnurul.kl@utm.my</a>   |
| Elective Course            | MRSS1123<br>Sustainable Urban Landscape                               | 2                   | 01        |            | LAr. Nor Beha binti Ahmad<br><a href="mailto:bieha.nba@gmail.com">bieha.nba@gmail.com</a>   |
| University General Courses | <b>URSP 0013</b><br><b>Research Methodology (U)</b>                   | <b>2</b>            | <b>08</b> |            | Dr. Rohayah binti Che Amat<br><a href="mailto:rohayah.cheamat@utm.my">rohayah.cheamat@utm.my</a>  |
| Research Courses           | MRSS1144<br>Master Project 1  | 2                   | 01        |            | Ts. Dr. Mohammad Hussaini bin Wahab<br><a href="mailto:hussaini.kl@utm.my">hussaini.kl@utm.my</a><br>Dr. Rohayah binti Che Amat<br><a href="mailto:rohayah.cheamat@utm.my">rohayah.cheamat@utm.my</a>   |

**PROGRAM STRUCTURE (MSUD Program)**

| SYLLABUS FOR SEMESTER 3    | COURSE CODE   | SEMESTER 2_20252026 | 01 |  | LECTURER'S NAME & CONTACT NO<br>:(Email & HP no.)   |
|----------------------------|---|---------------------|----|--|---|
| Research Courses           | MRSS 2116<br>Master Project 2                                       | 3                   | 01 |  | Dr Wan Nurul Mardhiah Wan Rani<br><a href="mailto:wnurul.kl@utm.my">wnurul.kl@utm.my</a><br>Ts. Dr. Mohammad Hussaini bin Wahab<br><a href="mailto:hussaini.kl@utm.my">hussaini.kl@utm.my</a><br>Dr. Rohayah binti Che Amat<br><a href="mailto:rohayah.cheamat@utm.my">rohayah.cheamat@utm.my</a> |
| Elective Course            | MRSS1163<br>Urban Studies   | 3                   | 01 |  | Dr Wan Nurul Mardhiah Wan Rani<br><a href="mailto:wnurul.kl@utm.my">wnurul.kl@utm.my</a>  |
|                            | *MRSS 2183<br>Sustainable Design and Construction                   | 3                   | 01 |  | Prof. Madya Ir. Ts. Dr. Mohd Khairi bin Abu Husain<br><a href="mailto:mohd.khairi.kl@utm.my">mohd.khairi.kl@utm.my</a>  |
|                            | *MRSS 2203<br>Sustainable Development and Environmental Engineering | 3                   | 01 |  | Prof. Ir. Ts. Shreeshivadasan A/L Chelliapan<br><a href="mailto:shreeshivadasan.kl@utm.my">shreeshivadasan.kl@utm.my</a>  |
| University General Courses | **UMJJ 6013<br>Basic Japanese Language and Culture (MJIT)           | 3                   | 01 |  | Mdm. Hasparina Abdul Ghafar<br><a href="mailto:hasparina.kl@utm.my">hasparina.kl@utm.my</a>   |
|                            | **URTS 6013<br>Environmental Ethics                                 | 3                   | 01 |  | Ts. Rafizah binti Musa<br><a href="mailto:rafizahmusa.kl@utm.my">rafizahmusa.kl@utm.my</a>  |

**\*Please choose one of the elective course. \*\* For University General Courses, MJIT students encourage to take UMJJ 6013 (Basic Language and Culture)**