

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| Faculty/School             | <b>Faculty of Chemical and Energy Engineering</b> |
| Program Name               | <b>Master of Petroleum Engineering</b>            |
| Program Code               | <b>METP</b>                                       |
| Mode of Program            | <b>Taught Course</b>                              |
| Academic Session/ Semester | <b>2025/2026 -1</b>                               |

## COURSE MENU

| University General Courses (Choose 1 ONLY) |                                                        |        |
|--------------------------------------------|--------------------------------------------------------|--------|
| Course Code                                | Course Name                                            | Credit |
| UBSS 6013                                  | Organization Behavior and Development                  | 3      |
| UBSS 6023                                  | Business Ethics, Responsibility and Sustainability     | 3      |
| UHMS 6013                                  | Seminar on Global Development Economic & Social Issues | 3      |
| UHMZ 6023                                  | Malaysian Society & Culture                            | 3      |
| UHPS 6013                                  | Dynamics of Leadership                                 | 3      |
| UHLM 6013                                  | Malay Language for Postgraduates                       | 3      |
| URTS 6013                                  | Environmental Ethics                                   | 3      |
| UECS 6013                                  | IT Project Management                                  | 3      |
| UMJJ6013                                   | Basic Japanese Language and Culture                    | 3      |

| Core Faculty Courses (Compulsory) |                                              |        |
|-----------------------------------|----------------------------------------------|--------|
| Course Code                       | Course Name                                  | Credit |
| METU1013                          | Research Methodology                         | 3      |
| METP1113                          | Reservoir Properties and Engineering Aspects | 3      |
| METP1123                          | Applied Geoscience and Petrophysics          | 3      |
| METP1133                          | Drilling Engineering and Well Completion     | 3      |
| METP1224                          | Field Development Project                    | 4      |
| METP1213                          | Petroleum Production Engineering             | 3      |

| Elective Courses (Choose 2 only) |                                    |        |
|----------------------------------|------------------------------------|--------|
| Course Code                      | Course Name                        | Credit |
| METP1143                         | Reservoir Simulation               | 3      |
| METP1153                         | Well Diagnosis and Treatment       | 3      |
| METP1163                         | Improved Oil Recovery              | 3      |
| METP1173                         | Petroleum Economics and Management | 3      |
| METP1183                         | Well Test Analysis                 | 3      |
| METM1223                         | Fire and Explosion                 | 3      |
| METM1243                         | LNG Technology                     | 3      |
| MKKN1513                         | Solid and Hazardous Waste          | 3      |
| METW1313                         | Environmental Management           | 3      |
| METW1273                         | Human Factors                      | 3      |

| Project (Compulsory) |                  |           |
|----------------------|------------------|-----------|
| Course Code          | Course Name      | Credit    |
| METP 1234            | Master Project 1 | 4         |
| METP 1316            | Master Project 2 | 6         |
| <b>TOTAL CREDIT</b>  |                  | <b>41</b> |

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**PROGRAM STRUCTURE (METPA1AJA – MAINSTREAM JOHOR BAHRU)**

**COURSES OFFERED FOR NEW INTAKE STUDENTS SESSION 2025/2026 SEMESTER 1**

| SYLLABUS                   | COURSE CODE                                                                                                                                                                                      | SEMESTER | SECTION | DAY & TIME                    | LECTURER'S NAME & CONTACT NO :<br>(Email & HP no.)                                                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| University General Courses | <i>Student MUST refer to SPS Website <a href="https://sps.utm.my/academic-related-resources/">https://sps.utm.my/academic-related-resources/</a> for the University general courses schedule</i> |          |         |                               |                                                                                                                                                                                                             |
| Core Faculty Course        | METU1013                                                                                                                                                                                         | 1        | 01      | Friday<br>8.00am – 11.00am    | Prof. Madya Dr. Zainul Akmar Zakaria<br><a href="mailto:zainulakmar@utm.my">zainulakmar@utm.my</a><br>012-6270423                                                                                           |
| Core Courses               | METP1123                                                                                                                                                                                         | 1        | 01      | Monday<br>8.00am – 11.00am    | Ts. Dr. Chong Aik Shye<br><a href="mailto:cashye@utm.my">cashye@utm.my</a><br>012-5642812<br>Prof. Madya Issham Ismail<br><a href="mailto:issham@utm.my">issham@utm.my</a><br>019-7634135                   |
|                            | METP1113                                                                                                                                                                                         | 1        | 01      | Tuesday<br>8.00am – 11.00am   | Prof. Madya Ir. Dr. Mohd Zaidi Jaafar<br><a href="mailto:mzaidi@utm.my">mzaidi@utm.my</a><br>016-2642573                                                                                                    |
|                            | METP1133                                                                                                                                                                                         | 1        | 01      | Thursday<br>8.00am – 11.00am  | Dr. Mohamad Arif Ibrahim<br><a href="mailto:mohamadarif.i.@utm.my">mohamadarif.i.@utm.my</a><br>014-7753983<br>Prof. Madya Issham Ismail<br><a href="mailto:issham@utm.my">issham@utm.my</a><br>019-7634135 |
| Elective Course            | METP1163                                                                                                                                                                                         | 1        | 01      | Wednesday<br>8.00am – 11.00am | Ts. Dr. Chong Aik Shye<br><a href="mailto:cashye@utm.my">cashye@utm.my</a><br>012-5642812                                                                                                                   |

**PROGRAM STRUCTURE (METEA1HKA – OFFSHORE KUALA LUMPUR - HYBRID)**

**COURSES OFFERED FOR NEW INTAKE STUDENTS SESSION 2025/2026 SEMESTER 1**

| SYLLABUS                   | COURSE CODE                                                                                                                                                                                      | SEMESTER | SECTION | DAY & TIME                                                                                                            | LECTURER'S NAME & CONTACT NO :<br>(Email & HP no.)                                                                                                                                         |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| University General Courses | <i>Student MUST refer to SPS Website <a href="https://sps.utm.my/academic-related-resources/">https://sps.utm.my/academic-related-resources/</a> for the University general courses schedule</i> |          |         |                                                                                                                       |                                                                                                                                                                                            |
| Core Faculty Course        | -                                                                                                                                                                                                | -        | -       | -                                                                                                                     | -                                                                                                                                                                                          |
| Core Courses               | METP1133                                                                                                                                                                                         | 1        | 02      | 18/10/2025 – 19/10/2025<br>15/11/2025 – 16/11/2025<br>10/1/2025-11/1/2025<br><br>Saturday & Sunday<br>9.00am – 5.00pm | Dr. Mohamad Arif Ibrahim<br><a href="mailto:mohamadarif.i@utm.my">mohamadarif.i@utm.my</a><br>014-7753983<br>Prof. Madya Issham Ismail<br><a href="mailto:issham@utm.my">issham@utm.my</a> |
|                            | METP1213                                                                                                                                                                                         | 1        | 02      | 22/11/2025 – 23/11/2025<br>27/12/2025-28/12/2025<br>17/1/2025-18/1/2025<br><br>Saturday & Sunday<br>9.00am – 5.00pm   | Dr. Abdul Rahim Risal<br><a href="mailto:abduirahimrisal@utm.my">abduirahimrisal@utm.my</a><br>011-25541413                                                                                |
|                            | METP1163                                                                                                                                                                                         | 1        | 02      | 1/11/2025-2/11/2025<br>13/12/2025 – 14/12/2025<br>3/1/2025 – 4/1/2025<br><br>Saturday & Sunday<br>9.00am – 5.00pm     | Ts. Dr. Kenny Anak Ganie<br><a href="mailto:kenny.ganie@utm.my">kenny.ganie@utm.my</a><br>019-4998700                                                                                      |
| Elective Course            |                                                                                                                                                                                                  |          |         |                                                                                                                       |                                                                                                                                                                                            |