**FOR ADVANCED STANDING - OFFICE USE ONLY**

☐ Please mark the box to indicate advanced standing granted (use **CONDITIONAL** to denote conditional advanced standing)

<table>
<thead>
<tr>
<th>Unspecified Elective Credit:</th>
<th>Level 1: units</th>
<th>Level 2: units</th>
<th>Level 3: units</th>
<th>Level 4: units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student ID Number:</td>
<td>Student Name:</td>
<td></td>
<td>Date: 10/09/14</td>
<td></td>
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<tr>
<td>Assessor Name:</td>
<td>Advanced Standing Granted: units</td>
<td>Remaining Program Duration: 5 years</td>
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<tr>
<td>Applicant’s Previous Institution:</td>
<td>Applicant’s Previous Qualification:</td>
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<tr>
<td>Assessor’s Comments:</td>
<td></td>
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</tbody>
</table>

This study plan should be used to guide enrolment for the current academic year. Some students may need to modify their enrolment based on previous study (e.g. students granted advanced standing/credit, students repeating previously failed courses).

### BACHELOR OF ENGINEERING (HONOURS) (PETROLEUM AND MECHANICAL)

#### YEAR 1

**S1**
- PETROENG 1005 Introduction to Petroleum Geosciences & the Oil Industry (3 units)
- C&ENVENG 1010 Engineering Mechanics - Statics (3 units)
- ELEC ENG 1009 Electrical & Electronic Engineering IA (3 units)
- MATHS 1011 Mathematics IA (3 units) (3 units)

**S2**
- MECH ENG 1007 Engineering Mechanics - Dynamics (3 units)
- MECH ENG 1006 Design Graphics & Communication (3 units)
- PETROENG 1006 Introduction to Petroleum Engineering (3 units)
- MATHS 1012 Mathematics IB (3 units)

#### YEAR 2

**S1**
- MECH ENG 2100 Design Practice (3 units)
- MATHS 2201 Engineering Mathematics IIA (3 units)
- PETROENG 2010 Drilling Engineering (3 units)
- MECH ENG 2021 Thermo-Fluids I (3 units)

**S2**
- CHEM ENG 1009 Materials I (3 units)
- PETROENG 2009 Formation Evaluation, Petrophysics & Rock Properties (3 units)
- PETROENG 2005 Sedimentology & Stratigraphy (3 units)
- MECH ENG 2002 Stress Analysis & Design (3 units)

#### YEAR 3

**S1**
- PETROENG 3025 Reservoir Engineering (3 units)
- MECH ENG 3102 Heat Transfer & Thermodynamics (3 units)
- MECH ENG 3030 Structural Design & Solid Mechanics (3 units)
- MECH ENG 2020 Materials & Manufacturing (3 units)

**S2**
- MECH ENG 3027 Engineering Systems Design & Communication (3 units)
- PETROENG 3023 Well Completion & Stimulation (3 units)
- MECH ENG 2019 Dynamics & Control I (3 units)
- PETROENG 3020 Production Engineering (3 units)

#### YEAR 4

**S1**
- MECH ENG 4143A Mechanical Honours Project Part A (3 units)
- MECH ENG 3105 Sustainability & the Environment (3 units)
- Mechanical Engineering Elective Course (3 units)
- Mechanical Engineering Elective Course (3 units)
### FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES
#### 2015 STUDY PLAN

<table>
<thead>
<tr>
<th>YEAR 5</th>
<th>SEMESTER 1</th>
<th>SEMESTER 2</th>
<th>CHOICE FROM THE FOLLOWING MECHANICAL ENGINEERING ELECTIVES</th>
<th>CHOICE FROM THE FOLLOWING PETROLEUM ENGINEERING ELECTIVES</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>MECH ENG 4004A Petroleum Engineering Honours Project Part 1 (3 units)</td>
<td>MECH ENG 4104 Advanced Topics in Fluid Mechanics (3 units)</td>
<td>MECH ENG 4102 Advanced PID Control (3 units)</td>
<td>PETROENG 4035 Reservoirs, Resources &amp; Reserves (3 units)</td>
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<tr>
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<td>PETROENG 4004B Petroleum Engineering Honours Project Part 2 (3 units)</td>
<td>MECH ENG 4107 Airconditioning (3 units)</td>
<td>MECH ENG 4112 Combustion Technology &amp; Emissions Control (3 units)</td>
<td>PETROENG 3003 Well Testing &amp; Pressure Transient Analysis (3 units)</td>
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<tr>
<td>S2</td>
<td></td>
<td>PETROENG 4104 Advanced Vibrations (3 units)</td>
<td>MECH ENG 4114 Corrosion: Principles &amp; Prevention (3 units)</td>
<td>MECH ENG 4114 Engineering Acoustics (3 units)</td>
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<tr>
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<td></td>
<td>MECH ENG 4111 CFD for Engineering Applications (3 units)</td>
<td>MECH ENG 4115 Engineering Acoustics (3 units)</td>
<td>PETROENG 3007 Well Testing &amp; Pressure Transient Analysis (3 units)</td>
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<td></td>
<td>MECH ENG 4120 Fracture Mechanics (3 units)</td>
<td>MECH ENG 4121 Materials Selection &amp; Failure Analysis (3 units)</td>
<td>PETROENG 3003 Integrated Reservoir &amp; Project Management IV (3 units)</td>
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<tr>
<td></td>
<td></td>
<td>MECH ENG 4125 Stresses in Plates &amp; Shells (3 units)^</td>
<td></td>
<td>PETROENG 3005 Reservoir Characterisation &amp; Modelling (3 units)</td>
</tr>
</tbody>
</table>

^ course not available in 2015
# Students who have not passed SACE Stage 2 Specialist Maths are required to enrol in MATHS 1013 Mathematics IM as a prerequisite to enrolling in MATHS 1011 Mathematics IA. The satisfactory completion of MATHS 1013 Mathematics IM is in addition to the normal requirements of this program. Students may manage their enrolment by enrolling in MATHS 1013 Mathematics IM in semester 1, followed by MATHS 1011 Mathematics IA in semester 2, and MATHS 1012 Mathematics IB in summer school.