Programme Regulations: 2022/23

Programme Title: Degree of Master of Science in Electrical Power

Code: 5059F

Notes:
(i) These programme regulations should be read in conjunction with the University’s Taught Programme Regulations.
(ii) A core module for outcomes is a module which a student must pass.
(iii) A core module for PSRB accreditation is a module a student is required to obtain accreditation.
(iv) A compulsory module is a module which a student is required to study.
(v) All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.
(vi) If a candidate is a graduate of Newcastle University the candidate is not permitted to take a module which has already been taken as part of another programme. In such a case the Degree Programme Director shall substitute appropriate modules.
(vii) All optional modules are offered subject to the constraints of the timetable and to any restrictions on the number of students who may be taught on a particular module. Not all modules may be offered in all years and they are listed subject to availability.

1. Programme structure

(a) The period of study for full-time mode shall be one year starting in September.
(b) The programme comprises modules to a credit value of 180.
(c) All candidates shall select one of the streams listed in (i) to (ii) below:

(i) Electrical Power Stream (1 Year Programme)

All candidates shall take the following compulsory modules:

<table>
<thead>
<tr>
<th>Code</th>
<th>Descriptive title</th>
<th>Total Credits</th>
<th>Credits Sem 1</th>
<th>Credits Sem 2</th>
<th>Credits Sem 3</th>
<th>Level</th>
<th>Core for PSRB Accreditation</th>
<th>Core for outcomes</th>
<th>Type</th>
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<tbody>
<tr>
<td>EEE8147</td>
<td>Advanced Power Electronics and Applications</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>7</td>
<td>Block</td>
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<tr>
<td>EEE8159</td>
<td>Electrical Machines and Their Applications</td>
<td>20</td>
<td>20</td>
<td>7</td>
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<tr>
<td>EEE8154</td>
<td>Control of Electric Drives</td>
<td>20</td>
<td>20</td>
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<tr>
<td>EEE8155</td>
<td>Design &amp; Analysis of Electrical Machines</td>
<td>20</td>
<td>20</td>
<td>7</td>
<td></td>
<td>Block</td>
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</table>
2. **Assessment methods**

Details of the assessment pattern for each module are explained in the module outline.

For the purpose of professional accreditation, the University’s Education Committee has approved a variation in Postgraduate (Taught) Examination Conventions to the effect that a candidate who passes all core modules and fails up to 20 credits of non-core modules is recommended, as of right, for the award of an appropriate Master’s degree or Postgraduate Diploma, **provided that no mark is below 40** and the weighted average mark for all modules and all non-modular aggregated assessment is at least 50.