

Programme Regulations: 2021/22

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 compulsory module is a module which a student is required to study.*
- (iii) *All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.*
- (iv) *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.*
- (v) *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:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	
EEE8147	Advanced Power Electronics and Applications	20	20			7	Block
EEE8159	Electrical Machines and Their Applications	20	20			7	Block
EEE8154	Control of Electric Drives	20	20			7	Block
EEE8155	Design & Analysis of Electrical Machines and Drives	20		20		7	Block
EEE8157	Renewable Energy Systems and Smart Grids	20		20		7	Block
EEE8149	Power Systems Operation & Analysis	20		20		7	Block
EEE8097	Individual Project	60		10	50	7	

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 Convention G.92 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.