Programme Regulations: 2021/22

Programme Title: Degree of Master of Science in Electrical Power (2 Year Programme)
Code: 5441F

Notes
(i) These programme regulations should be read in conjunction with the University's Taught Programme Regulations.
(ii) A core module is a module which a student must pass.
(iii) A compulsory module is a module which a student is required to study.
(iv) All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.

1. Programme Structure

(a) The programme is available for study in full-time mode only
(b) The period of study for full-time mode shall be **2 years** starting in September.
(c) The Masters programme comprises modules to a credit value of 240.
(d) All candidates shall take the following compulsory modules:

Year 1
All candidates shall take the following compulsory modules:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Credits Sem 3*	*Level*	*Type*
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 of Modern Electrical Machines and Drives	20		20		7	Block
EEE8149	Power Systems Operation and Analysis	20		20		7	Block
EEE8157	Renewable Energy Systems and Smart Grids	20		20		7	Block

Year 2

All candidates shall take the following compulsory modules:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Credits Sem 3*	*Level*	*Type*
EEE8156	Technology Review Project	20	20			7	
EEE8148	Electrical Power and Control Project	20	20			7	Block
EEE8084	Individual Project	60	30	30		7	

All candidates shall take **one** of the following optional modules:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Credits Sem 3*	*Level*	*Type*
EEE8152	Digital Control Systems	20		20		7	Block
EEE8151	Distributed Control Systems	20		20		7	Block

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.

3. Programme Transfers

It is possible for students in Year 1 of the MSc Advanced Electrical Power Engineering (2 year) programme to transfer to the MSc Electrical Power (1 year) programme. Students can request this transfer any time before 1st March in Year 1. Requests after this date will not normally be accepted.

4. Other

As a two year programme, students will be expected to successfully complete Year 1, with no more than 20 credits of failing modules, and **provided that no mark is below 40** (following the normal resit procedures).