Programme Regulations: 2020/21

Programme Title: Degree of Master of Science in Energy and Sustainability
Code: 5381F/P (September start), 5455P (January Start)

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 must take.

(iii) All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.

1. Programme Structure

(a) The programmes are available for study in full-time and part-time mode.

(b) The period of study for full-time mode shall be one year starting in September.

(c) The period of study for part-time mode shall be 2 years starting in September and January.

(d) The programme comprises modules to a credit value of 180.

(e) All candidates shall take the following compulsory modules:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Credits Sem 3*	*Level*	*Mode*
NUS8201	Energy Resources and Technologies	15		15		7	
NUS8202	Materials for Sustainability	15		15		7	
NUS8203	Environmental Impact, Legislation and Engineering	20	20			7	
NUS8204	Renewable Energy Technologies	15		15		7	
NUS8205	Energy Management	15		15		7	
NUS8206	Energy Storage	15	15			7	
NUS8207	Renewable Heating and Cooling	15	15			7	
NUS8208	Mechanical Integrity	10	10			7	
NUS8209	Masters Project	60	5	5	50	7	

The programme has been structured in such a way to emphasis on existing energy situations both locally and worldwide, followed by different methodologies available to alleviate the situations. Topics such as energy resources and technologies and environmental impact, legislation and engineering will be taught to understand the current energy situations and its impact on the environment. Methodologies to be presented include materials for sustainability, renewable energy technologies, energy management, energy storage and renewable heating and cooling. Throughout the programme, the individual project gives an opportunity for the students to develop research skills and explore one of the topics discussed during the programme.

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 P.45 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.*