Programme Regulations: 2021/22

Programme Title: MSc Industrial Automation and Machine Learning
Code: 5452FP (September Start) and 5451P (January Start)

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 both full-time and part-time modes.

(b) The period of study for full-time mode shall be one (1) year.

(c) The period of study for part-time mode shall typically be two (2) years starting in September (Semester 1). The program may begin in September (Semester 1) and January (Semester2).

(d) The programme comprises modules to a credit value of180.

(e) All full time candidates shall take the following compulsory modules

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Mode
NUS8301	Industrial Control Systems	20	20			7	Linear
NUS8302	Electro-Mechanical Systems and Systems Safety	20	20			7	Linear
NUS8303	Embedded Systems and Industrial Internet of Things	20	20			7	Linear
NUS8304	Programming for Automation	20		20		7	Block
NUS8305	Mathematical Foundations of Machine Learning	20		20		7	Block
NUS8306	Data Analytics using Machine Learning	20		20		7	Block
NUS8307	Project Dissertation – I	20	10	10		7	Linear
NUS8308	Project Dissertation – II	40		20	20	7	Linear

(e) All part time candidates shall take the following compulsory modules in Year 1

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Mode
NUS8301	Industrial Control Systems	20	20			7	Linear
NUS8302	Electro-Mechanical Systems and Systems Safety	20	20			7	Linear
NUS8304	Programming for Automation	20		20		7	Block
NUS8305	Mathematical Foundations of Machine Learning	20		20		7	Block
NUS8307	Project Dissertation – I	20			20	7	Linear

(f) **All part time candidates shall take the following compulsory modules in Year 2**

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Mode
NUS8303	Embedded Systems and Industrial Internet of Things	20	20			7	Linear
NUS8306	Data Analytics using Machine Learning	20		20		7	Block
NUS8308	Project Dissertation – II	40		20	20	7	Linear

2. Assessment methods

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

3. Other

Intake for the Part-time program will be in both September (Semester 1) and January (Semester 2) Semesters.