"Artificial Intelligence (18 months/90 ECTS, Master of Science)"
E-Learning

TABLE 2: COURSE DISTRIBUTION PER SEMESTER

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
Semester 1								
1.	Compulsory	Foundations of Artificial Intelligence	AI600	N/A	N/A	14	N/A	8
2.	Compulsory	Introduction to Machine Learning	AI605	N/A	N/A	14	N/A	8
3.	Elective		--------	N/A	N/A	14	N/A	7
4.	Elective		--------	N/A	N/A	14	N/A	7
Semester 2								
5.	Compulsory	Knowledge Representation, Reasoning, and the Semantic Web	AI610	N/A	N/A	14	N/A	8
6.	Compulsory	Big Data Analytics	AI615	N/A	N/A	14	N/A	8
7.	Elective		--------	N/A	N/A	14	N/A	7
8.	Elective		--------	N/A	N/A	14	N/A	7
Semester 3								
9.	Master Thesis		AI695	N/A	N/A	14	N/A	30

Elective Courses		
Students select 4 (four) of the following courses:		
AI620	Advanced Topics in Machine Learning	7
AI625	Artificial Neural Networks and Deep Learning	7
AI630	Advanced Topics in Knowledge Representation and Reasoning	7
AI635	Multi-Agent Systems and Game Theory	7
AI640	AI in Video Games	7
AI645	Robotics and Perception	7
AI650	Natural Language Processing	7
AI655	Philosophy and Ethics of AI	7
One (1) Elective Course from a relevant E-Learning M.Sc. program of the School of Sciences as this will be approved by the Program Coordinator.		