



EGYPTIAN NATIONAL UNIVERSITIES

مشروع إنشاء الجامعات المصرية الأهلية

جامعة العلمين الدولية

ALALAMEIN INTERNATIONAL UNIVERSITY

Al Alamein
International University

Artificial Intelligence Science Program

برنامج علوم الذكاء الاصطناعي

Study Plan

الخطة الدراسية

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
1	MAT111	Mathematics I	3	0	1	0	4	3	150	6
	PHY211	Physics II	2	2	0	0	4	3	150	6
	CSE014	Structured Programming	2	3	0	0	5	3	180	6
	UC1	University Requirement (1)	2	0	0	0	2	2	90	4
	UC2	University Requirement (2)	2	0	0	0	2	2	90	4
	UE1	Elective University (1)	2	0	0	0	2	2	90	4
							19	15	750	30
2	MAT112	Mathematics II	3	0	1	0	4	3	150	6
	MAT131	Probability & Statistics I	2	1	2	0	5	3	195	6
	CSE015	Object Oriented Programming	2	3	0	0	5	3	180	6
	CSE315	Discrete Mathematics	2	0	2	0	4	3	150	6
	UC3	University Requirement (3)	2	0	0	0	2	2	90	4
	UE2	Elective University (2)	2	0	0	0	2	2	90	4
							22	16	855	32
3	MAT212	Linear Algebra	2	2	0	0	4	3	150	6
	MAT231	Probability & Statistics II	2	2	1	0	5	3	195	6



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	CSE111	Data Structures	2	3	0	0	5	3	180	6
	CSE131	Logic Design	2	2	2	0	6	3	195	6
	AIE111	Artificial Intelligence	2	2	1	0	5	3	180	6
	UC4	University Requirement (4)	2	0	0	0	2	2	90	4
							27	17	990	34
4	MAT312	Differential Equations	2	0	2	0	4	3	150	6
	CSE132	Computer Architecture & Organization	2	2	1	0	5	3	165	6
	CSE221	Database Systems	2	2	1	0	5	3	180	6
	CSE281	Image Processing	2	2	1	0	5	3	180	6
	AIE121	Machine Learning	2	2	1	0	5	3	180	6
	AIE191	Field Training 1 in AI Science	2	0	0	0	2	2	60	4
							26	17	915	34
5	CSE233	Operating Systems	2	2	1	0	5	3	165	6
	CSE251	Software Engineering	2	2	1	0	5	3	180	6
	CSE261	Computer Networks	2	2	1	0	5	3	165	6
	AIE231	Neural Networks	2	2	1	0	5	3	180	6
	AIE323	Data Mining	2	2	1	0	5	3	180	6
	UC5	University Requirement (5)	2	0	0	0	2	2	90	4
							27	17	960	34
6	CSE112	Design & Analysis of Algorithms	3	0	3	0	6	4	195	8
	AIE212	Knowledge-Based Systems	2	2	1	0	5	3	180	6
	AIE213	Optimization Techniques	3	0	3	0	6	3	180	6
	AIE241	Natural Language Processing	2	2	1	0	5	3	180	6



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Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
	AIE292	Field Training 2 in AI Science	2	0	0	0	2	2	60	4
	E1	Elective Course (1)	2	2	1	0	5	3	180	6
							29	18	975	36
7	CSE363	Cloud Computing	2	2	1	0	5	3	180	6
	AIE322	Advanced Machine Learning	2	2	1	0	5	3	180	6
	AIE332	Deep Learning	2	2	1	0	5	3	180	6
	AIE493	Graduation Project 1	2	3	0	0	5	3	180	6
	E2	Elective Course (2)	2	2	1	0	5	3	180	6
	UC6	University Requirement (6)	2	0	0	0	2	2	90	4
							27	17	990	34
8	AIE425	Intelligent Recommender Systems	2	2	1	0	5	3	180	6
	AIE314	AI-Based Programming	2	2	1	0	5	3	180	6
	AIE494	Graduation Project 2	2	3	0	0	5	3	180	6
	E3	Elective Course (3)	2	2	1	0	5	3	180	6
	UC7	University Requirement (7)	2	0	0	0	2	2	90	4
	UE3	Elective University (3)	2	0	0	0	2	2	90	4
							24	16	900	32
							201	133	7335	266

Elective (E1)

CSE211 Web Programming
 CSE234 Embedded Systems
 CSE271 Introduction to Parallel Computing



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CSE322	Big Data Analytics 1
CSE344	Introduction to Cyber Security
CSE382	Computer Graphics
CSE383	Computer Vision
CSE411	Theory of Computation & Compilers

Elective (E2)

CSE464	Internet of things
CSE475	High Performance Computing
CSE485	Computer Games Theory
AIE417	Selected Topics in Artificial Intelligence 1
AIE315	Computational Logic
AIE316	Evolutionary Algorithms
AIE342	Advanced Methods for Data Analysis
AIE343	Machine Learning for Text Mining
AIE351	Robotics Design

Elective (E3)

CSE487	Mixed & Augmented Reality
CSE488	Visualization & Animation
AIE418	Selected Topics in Artificial Intelligence 2
AIE424	Intelligent Decision Support Systems
AIE426	Decision Making Under Uncertainty
AIE427	Statistical Pattern Recognition
AIE444	Question Answering Systems
AIE457	Mobile Robot Development