



Helwan University

Arab Republic of Egypt
Faculty of Computers and Information

Student Transcript



GPA	Grade
3.27	Very good with honor

The Faculty of Computers and Information Attests that:
Mohamed Adel Mahmoud Ali Hamed

has been awarded the Bachelor of Science in Computers and Information,

specialized in: **Computer Science** In **May** semester Year: **2011**

Degree: **Very good with honor** With total (**144**) credit hours

And the following are his/her grades of the subjects studied in the four years:

General Requirements

12 hour (6 compulsory hours + 6 elective hours)

Code	Course Name	Hours	Total	Grade
Compulsory Subjects 6 hours				
HU 111	English-1	2	80	B+
HU 112	English-2	2	91	A+
HU 313	Human Rights	2	85	A

Code	Course Name	Hours	Total	Grade
Electives Subjects 6 hours				
HU 121	Fundamentals of Economics	3	72	C+
HU 334	Professional Ethics	3	75	B

Main Specialization Requirements

45 hour (30 compulsory hour + 15 elective hour)

Code	Course Name	Hours	Total	Grade
Compulsory Subjects 30 hours				
IT 331	Computer Graphics - 1	3	82	B+
IT 433	Multimedia	3	82	B+
CS 317	Concepts of Programming Languages	3	73	C+
CS 322	Computer Organization	3	62	D+
CS 342	Operating Systems - 2	3	73	C+
CS 352	Software Engineering - 2	3	70	C+
CS 361	Artificial Intelligence	3	81	B+
CS 419	Compilers	3	87	A
CS 498	Project	6	94	A+

Code	Course Name	Hours	Total	Grade
Electives Subjects 15 hours				
IT 441	Image Processing - 1	3	64	D+
CS 395	Selected Topics in Computer Science - 1	3	84	B+
CS 471	Parallel Processing	3	88	A
CS 495	Selected Topics in Computer Science - 3	3	91	A+
IS 312	Database Systems 2	3	77	B
IS 345	Internet Applications	3	90	A+

Faculty Requirements

72 hour (63 compulsory hours + 9 elective hours)

Code	Course Name	Hours	Total	Grade
Compulsory Subjects 63 hours				
HU 122	Fundamentals of Management	3	90	A+
ST 121	Probability and Statistics - 1	3	77	B
IT 111	Electronics - 1	3	65	C
IT 221	Data Communication	3	85	A
IT 232	Computer Networks - 1	3	76	B
IT 223	Internet Technology	3	85	A
CS 111	Introduction to Computers	3	79	B
CS 112	Programming - 1	3	79	B
CS 213	Programming - 2	3	87	A
CS 214	Data Structures	3	96	A+
CS 221	Logic Design	3	63	D+
CS 241	Operating Systems - 1	3	83	B+
CS 251	Software Engineering - 1	3	94	A+
CS 316	Algorithms	3	77	B
MA 111	Mathematics - 1	3	76	B
MA 112	Discrete Mathematics	3	92	A+
MA 113	Mathematics - 2	3	70	C+
PH 111	Physics	3	71	C+
IS 211	Database Systems 1	3	75	B
IS 231	Fundamentals of Information Systems	3	79	B
IS 240	Operations Research	3	77	B

Code	Course Name	Hours	Total	Grade
Electives Subjects 9 hours				
MA 214	Mathematics - 3	3	80	B+
IS 351	Analysis and Design of Information Systems-1	3	70	C+
IS 321	Project Management	3	90	A+

Sub-Specialization Requirements

Code	Course Name	Hours	Total	Grade
15 hour				
IT 433	Multimedia	3	82	B+
IS 312	Database Systems 2	3	77	B
IS 313	Data Storage and Retrieval	3	72	C+
IS 351	Analysis and Design of Information Systems-1	3	70	C+
IS 345	Internet Applications	3	90	A+
IS 352	Analysis and Design of Information Systems-2	3	83	B+
IS 435	Information Centers Management	3	99	A+
IS 451	Decision Support Systems	3	76	B

This Certificate has been given to him/her at his/her request to be presented to whom it may concern without responsibility on part of Faculty with regard to third parties rights.

Graduation Affairs

Mohamed Badah
23/12/2019

Head of Dept.

EMEN

General Secretary

Emad Said
23/12/2019

Acting As Dean



259
4/12