



CAIRO UNIVERSITY

033073

Systems & Biomedical Engineering Dept.



Subjects	Grades	Hours/Week		Subjects	Grades	Hours/Week	
		Lect.	Exec.			Lect.	Exec.
Preparatory year 2018/2019							
Algebra and Differentiation	(Good)	4	2	Heat and Mechanical Properties of Matter	Distinction	3	3
Statics	Distinction	2	2	Engineering Drawing	(Good)	1	5
Introduction to Programming	Distinction	2	2	Humanities Course	(Good)	1	1
Analytical Geometry and Integration	(Good)	3	3	Electricity and Magnetism	(Good)	4	2
Dynamics	(Good)	2	2	Engineering and Practical Applications	Distinction	0	4
Production Technology	(Good)	2	2	Chemistry	Very Good	2	2
General Appreciation	Very Good						
First year Systems & Biomedical Engineering 2019/2020							
Introduction to Computer Systems	Very Good	2	3	Biology and Medical Physics (1)	(Good)	2	2
Electrical Circuits	Distinction	2	4	Biomechanics (1)	Very Good	2	2
Biochemistry and Molecular Biology	(Good)	1	2	Ordinary Differential Equations	(Good)	3	1
Presentation and Communication Skills	Very Good	1	1	Programming Principles	Distinction *	2	3
Biology and Medical Physics (2)	Distinction *	2	2	Electrical and Power Machines	Distinction *	2	4
Fundamentals of Chemical Engineering	Distinction *	1	2	Bio-Signals and Systems	Distinction *	2	2
Linear Algebra and Multivariable Integrals	Distinction *	3	1	Scientific Thinking	Distinction *	1	1
General Appreciation	Very Good						
Second year Systems & Biomedical Engineering 2020/2021							
Data Structure	Very Good	2	3	Physiology and Anatomy	Very Good	2	2
Electronics	Pass	2	3	Bio-Measurements (1)	(Good)	2	3
Clinical Engineering	(Good)	2	2	Special Functions and Partial Differential Equations	Distinction	2	1
Society and Civil Issues	Distinction	1	1	Database	Distinction	2	3
Biomechanics (2)	Pass	2	2	Digital Electronics and Processors	(Good)	2	3
Bio-Measurements (2)	Very Good	2	3	Biostatistics	Very Good	2	2
Numerical Methods in Biomedical Engineering	Very Good	2	1	Energy Problems and Climate Change	(Good)	1	1
General Appreciation	Very Good						
Third year Systems & Biomedical Engineering 2021/2022							
Biological Signal Processing	(Good)	2	3	Medical Instrumentation (1)	Very Good	2	2
Computer Graphics and Biomedical Visualization	Very Good	2	2	Bioelectronics	(Good)	2	1
Biomedical System Dynamics & Control	(Good)	2	2	Elective (1)	(Good)	2	2
Economics	Pass	1	1	Analytical Instruments and Bioanalysis	(Good)	2	3
Medical Instrumentation (2)	Distinction	2	2	Computer Vision in Medical Fields	Distinction	2	2
Digital Systems in Medical Devices	(Good)	2	3	Elective (2)	Distinction	2	2
Elective (3)	Very Good	2	2	Marketing	Very Good	1	1
General Appreciation	Very Good						
Fourth year Systems & Biomedical Engineering 2022/2023							
Medical Imaging (1)	Very Good	2	2	Human Factors Engineering	Distinction	2	1
Biomedical Modeling and Simulation	Very Good	2	1	Elective (4)	Distinction	2	2
Elective (5)	Distinction	2	2	Law and Professional Ethics	Very Good	1	3
Graduation Project (1)	Distinction	2	4	Medical Imaging (2)	Very Good	2	2
Rehabilitation Engineering	Distinction	2	1	Aspects of Hospital Design and Management	(Good)	2	1
Elective (6)	Very Good	2	2	Elective (7)	Distinction	2	2
Contracts & Specifications	Distinction	1	3	Graduation Project (2)	Distinction	2	4
General Appreciation	Distinction						

The Faculty of Engineering - Cairo University certifies that:

Mr. Yassen Essam Mohamed Ghalwash

born on 09/06/2000 at Cairo - Egyptian - Nationality ID Number: 30006090100575

graduated from this faculty in May 2023

and was granted the degree of Bachelor of Systems & Biomedical Engineering

With a cumulative rate of appreciation Very Good With Honour Degree (78.79%)

Mentioned above are the rates of appreciations he/she obtained in the examinations

during his/her course of study in the faculty

These details are given to him/her upon his/her request to be submitted to whom it may concern

Reviewer:

Registrar:

Dean:

Prof. Dr. Hossam A. Abdel-Pattar



Note : The asterisk sign (*) shows an approximate projection of the grade during the second semester of academic year 2019/2020 - Researches Semester - during the COVID-19 pandemic as per the university council decision on 28/07/2021

The name in English of the graduate in the transcript is in accordance with the passport / birth certificate submitted by the graduate on 19/10/2023