Al-Balqa' Applied University

جامعة البلقاء التطبيقية

تأسست عام ١٩٩٧

Engineering Program

Specialty	Medical Equipment Technology
Course Number	020406201
Course Title	Engineering Software
Credit Hours	2
Theoretical Hours	0
Practical Hours	6

Brief Course Description:

- Students should acquire a *practical* knowledge about: Overview description of Mat Lab and its uses, Applying truth values and linguistic variables, Fuzzy logic operators, If-Then rule, forming a consensus of inputs and fuzzy rules, Modern applications and logical analysis.

Detailed Course Description:

Unit Number	Unit Name	Unit Content	Time Needed
1	Introduction into Mat Lab		
2	Why Fuzzy systems		
3	What are Fuzzy systems		
4	Where are Fuzzy systems used		
5	Modern applications of Fuzzy		
6	Classical sets, fuzzy sets and Fuzzy relations		

Evaluation Strategies:

Exams		Percentage	Date
Exams	Med-Term Exam	30%	--/--/----
	Final Exam	50%	--/--/----
Homework and Projects		20%	--/--/----

Teaching Methodology:
- ❖ Workshops-Modules and kits

Text Books :
Fuzzy Logic with Engineering Applications by Timothy J Ross. First Course on Fuzzy theory and Applications.