



Technical college\Mosul	30 Weeks	No. of week hours		
Department: Medical Instrumentation Engineering		Th.	App.	Unit
		2	2	6
Fourth Year	Subject: Selective.			

أهداف المادة: - دراسة مواضيع مختارة تفرز ذكاء معلومات الطالب التي يحتاجها في مجال هندسة الأجهزة الطبية ويتم اختيارها من المواضيع أدناه وإعداد مفرداتها من قبل القسم ويصادق عليها مجلس الكلية .

No.	Subjects
1.	Artificial intelligence .
2.	Simulation and modeling .
3.	Control systems.
4.	Image processing and communications.
5.	Real - time system.
6.	Microelectronics technology.
7.	VLSI systems.
8.	Topics in electrical / electronics engineering.
9.	Advanced computer architecture.
10.	Topics in computer architecture.
11.	Robotics and automation.
12.	Topics in digital systems.
13.	Advanced logic design.
14.	Topics in computer since.
15.	Digital control systems.
16.	Engineering economic analysis.
17.	Signal processing.
18.	CAD/CAM.
19.	Reliability engineering.
20.	Fault diagnosis.
21.	Microcomputer system design.
22.	Software engineering.
23.	Parsifl processing.
24.	Operating systems.
25.	Advanced electronics.
26.	Maintenance management.
27.	Nuclear & radiation equipment.