

**UNIVERSITY POLYTECHNIC  
BIT, MESRA**

**Course Structure  
BMLT**

**w.e.f 2018 Batch**

<b>First Semester</b>					
<b>Course No</b>	<b>Subject</b>	<b>Theory</b>	<b>Tutorial</b>	<b>Lab.</b>	<b>Credit</b>
BMT 1101	Human Anatomy & Physiology –I	3	1	0	4
BMT 1103	Chemistry for MLT	3	0	0	3
BMT 1105	Basics of Electrical & Electronics Engg.	3	0	0	3
BMT 1107	Basic Mathematics	3	0	0	3
BMT 1109	Communication Skill I	3	0	0	3
BMT 1102	Human Anatomy & Physiology Lab.-I	0	0	3	1.5
BMT 1104	Chemistry Lab.	0	0	3	1.5
BMT 1106	Basics of Electrical & Electronics Lab	0	0	3	1.5
BGA 1002/1004/1006/1008	PT & Games/NSS/NCC/CA	0	0	2	1
BMT 1012	Basic Workshop I (Health care)	0	0	3	1.5
	<b>Periods per week</b>	<b>15</b>	<b>1</b>	<b>14</b>	<b>-</b>
	<b>Total Credit</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>23</b>
	<b>Total periods per week</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>30</b>

<b>Second Semester</b>					
<b>Course No</b>	<b>Subject</b>	<b>Theory</b>	<b>Tutorial</b>	<b>Lab.</b>	<b>Credit</b>
BMT 2101	Human Anatomy & Physiology – II	3	0	0	3
BMT 2103	Hematology – I	3	0	0	3
BMT 2105	Clinical Chemistry – I	3	0	0	3
BMT 2107	Introduction to Computer Science	3	0	0	3
BMT 2109	Histology	3	0	0	3
BMT 2011	Communication Skill II	2	1	0	3
BMT 2102	Human Anatomy & Physiology Lab.-II	0	0	3	1.5
BMT 2104	Hematology Lab.-I	0	0	3	1.5
BMT 2106	Clinical Pathology Lab	0	0	3	1.5
BMT 2108	Fundamentals of Computer Lab.	0	0	2	1
BGA 2002/2004/2006/2008	PT & Games/NSS/NCC/CA	0	0	2	1
BMT 2010	Basic Workshop II (Health care)	0	0	3	1.5
	<b>Periods per week</b>	<b>17</b>	<b>01</b>	<b>16</b>	<b>-</b>
	<b>Total Credit</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>26</b>
	<b>Total periods per week</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>34</b>

**UNIVERSITY POLYTECHNIC  
BIT, MESRA**

**Course Structure (BMLT)**

**w.e.f 2018 Batch**

<b>Third Semester</b>					
<b>Course No.</b>	<b>Subject</b>	<b>Theory</b>	<b>Tutorial</b>	<b>Lab.</b>	<b>Credit</b>
BMT 3101	Clinical Chemistry – II	3	1	0	4
BMT 3103	Biomedical Instrumentations	2	1	0	3
BMT 3105	Digital Electronics System	2	1	0	3
BMT 3107	Medical Microbiology	3	1	0	4
BMT 3109	Instrumentation & Measurement System	2	1	0	3
BMT 3011	Environmental Science	2	0	0	Non-Credit
BMT 3102	Clinical Chemistry Lab.-I	0	0	3	1.5
BMT 3104	Instrumentation Lab.	0	0	3	1.5
BMT 3106	Digital Electronics Lab	0	0	3	1.5
BMT 3108	Microbiology Lab.-I	0	0	3	1.5
BGA 3002/3004/3006/3008	PT & Games/NSS/NCC/CA	0	0	2	1
	<b>Periods per week</b>	14	5	14	-
	<b>Total Credit</b>	-	-	-	24
	<b>Total periods per week</b>	-	-	-	<b>33</b>
<b>Fourth Semester</b>					
<b>Course No</b>	<b>Subject</b>	<b>Theory</b>	<b>Tutorial</b>	<b>Lab.</b>	<b>Credit</b>
BMT 4101	Applied Microbiology	3	1	0	4
BMT 4003	Hematology – II	3	1	0	4
BMT 4105	Histopathology	3	1	0	4
	Elective-I	3	1	0	4
	Elective-II	3	1	0	4
BMT 4102	Microbiology Lab.-II	0	0	3	1.5
BMT 4004	Hematology Lab.-II	0	0	3	1.5
BMT 4106	Histopathology Lab I	0	0	3	1.5
	Elective Lab.	0	0	3	1.5
<b>List of Elective</b>					
BMT 4107	Parasitology & Cytology(Group-I)	3	1	0	4
BMT 4109	Immunopathology(Group-I)	3	1	0	4
BMT 4108	Parasitology Lab. (Group-I)	0	0	3	1.5
BMT 4111	Bio-signal Acquisition System(Group-II)	3	1	0	4
BMT 4113	Introduction to Microprocessor(Group-II)	3	1	0	4
BMT 4112	Microprocessor Lab. (Group-II)	0	0	3	1.5
	<b>Periods per week</b>	15	5	12	-
	<b>Total Credit</b>	-	-	-	26
	<b>Total periods per week</b>	-	-	-	<b>32</b>