

## Master Academic Plan

### Distributed of Microbiology Courses by Semesters: 1<sup>st</sup> year

#### 1<sup>st</sup> Semester

Course Code	Course Name	Credit Hour
CLS - 6006	Molecular Biology	2+1 = 3
CLS - 6007	Genetics	2+0=2
CLS - 6008	Bioinformatics	1+1 = 2
CLS - 6010	Scientific Writing	2+0 = 2
Elective course		
CLS - 6001	Biomedical Techniques	2+0 = 2

#### 2<sup>nd</sup> Semester

Course Code	Course Title	Credit Hours
CLS - 6101	Diagnostic Bacteriology	3+1 = 4
CLS - 6102	Diagnostic Virology	3+1 = 4
CLS - 6103	Diagnostic Parasitology	1+1+2
2 Elective course		
CLS - 6003	Cell Biology and Cell Signaling	4+0 = 4

#### 3<sup>rd</sup> Semester

Course Code	Course Title	Hours
CLS - 6009	Quality Control and Lab Management	3+0 = 3
CLS - 6108	Antimicrobial Agents	2+1=3
CLS - 6105	Diagnostic Mycology	1+1 = 2
CLS - 6104	Vector Borne disease	1+1 = 2
1 Elective Courses		
CLS - 6002	Seminar	2+0 = 2

### Distributed Microbiology Courses by Semesters: 2<sup>st</sup> year

#### 4<sup>th</sup> Semester

Course Code	Course Name	Credit Hour
CLS - 6107	Molecular Immunology	3+1=4
CLS - 6106	Advanced Practices in Diagnostic Bacteriology	1+2=3
CLS - 6109	Advanced Practices in Diagnostic Parasitology and Virology	1+1 = 2

#### 5<sup>th</sup> Semester

Course Code	Course Title	Credit Hours
CLS - 6010	Research Project	0+5=5
CLS - 6005	Advance Biostatistics	1+1=2
1 Elective Courses		

#### 6<sup>th</sup> Semester

Course Code	Course Title	Hours
CLS - 6010	Research Project	0+5=5

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**Distributed of Biochemistry Courses by Semesters: 1<sup>st</sup> year**

**1<sup>st</sup> Semester**

Course Code	Course Name	Credit Hour
CLS - 6006	Molecular Biology	2+1 = 3
CLS - 6007	Genetics	2+0=2
CLS - 6008	Bioinformatics	1+1 = 2
CLS - 6010	Scientific Writing	2+0 = 2
Elective course		
CLS - 6001	Biomedical Techniques	2+0 = 2

**2<sup>nd</sup> Semester**

Course Code	Course Title	Credit Hours
CLS - 6201	Clinical Biochemistry	3+1=4
2 Elective course		
CLS - 6003	Cell Biology and Cell Signaling	4+0 = 4

**3<sup>rd</sup> Semester**

Course Code	Course Title	Hours
CLS - 6009	Quality Control and Lab Management	3+0 = 3
CLS - 6202	Clinical Endocrinology	3+1=4
CLS - 6203	Medical Toxicology	3+1=4
1 Elective Courses		
CLS - 6002	Seminar	2+0 = 2

**Distributed Biochemistry Courses by Semesters: 2<sup>st</sup> year**

**4<sup>th</sup> Semester**

Course Code	Course Name	Credit Hour
CLS - 6204	Advanced Diagnostic of Medical Biochemistry	3+1=4
CLS - 6205	Biological Fluids	3+1=4

**5<sup>th</sup> Semester**

Course Code	Course Title	Credit Hours
CLS - 6010	Research Project	0+5=5
CLS - 6005	Advance Biostatistics	1+1 = 2
1 Elective Courses		

**6<sup>th</sup> Semester**

Course Code	Course Title	Hours
CLS - 6010	Research Project	0+5=5

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**Distributed of Hematology Courses by Semesters: 1<sup>st</sup> year**

**1<sup>st</sup> Semester**

Course Code	Course Name	Credit Hour
CLS - 6006	Molecular Biology	2+1 = 3
CLS - 6007	Genetics	2+0=2
CLS - 6008	Bioinformatics	1+1 = 2
CLS - 6010	Scientific Writing	2+0 = 2
Elective course		
CLS - 6001	Biomedical Techniques	2+0 = 2

**2<sup>nd</sup> Semester**

Course Code	Course Title	Credit Hours
CLS - 6301	Diagnostic approach to anemia	1+1 = 2
CLS - 6302	Hemostasis	1+1 = 2
CLS - 6303	Hematological malignancies	1+1 = 2
2 Elective course		
CLS - 6003	Cell Biology and Cell Signaling	4+0 = 4

**3<sup>rd</sup> Semester**

Course Code	Course Title	Hours
CLS - 6009	Quality Control and Lab Management	3+0 = 3
CLS - 6304	Blood transfusion and transplantation	1+1 = 2
CLS - 6305	Advanced Diagnostic approach to anemia	2+1 = 3
1 Elective Courses		
CLS - 6002	Seminar	2+0 = 2

**Distributed Hematology Courses by Semesters: 2<sup>st</sup> year**

**4<sup>th</sup> Semester**

Course Code	Course Name	Credit Hour
CLS - 6306	Advanced Hematological malignancies	2+1 = 3
CLS - 6307	Hemostatic disorders	2+1 = 3
CLS - 6308	Advanced Blood transfusion and transplantation	2+1 = 3

**5<sup>th</sup> Semester**

Course Code	Course Title	Credit Hours
CLS - 6010	Research Project	0+5=5
CLS - 6005	Advance Biostatistics	1+1 = 2
1 Elective Courses		

**6<sup>th</sup> Semester**

Course Code	Course Title	Hours
CLS – 6010	Research Project	0+5=5

**Distributed of diagnostic molecular pathology Courses by Semesters: 1<sup>st</sup> year**

**1<sup>st</sup> Semester**

Course Code	Course Name	Credit Hour
CLS - 6006	Molecular Biology	2+1 = 3
CLS - 6007	Genetics	2+0=2
CLS - 6008	Bioinformatics	1+1 = 2
CLS - 6010	Scientific Writing	2+0 = 2
Elective course		
CLS - 6001	Biomedical Techniques	2+0 = 2

**2<sup>nd</sup> Semester**

Course Code	Course Title	Credit Hours
CLS - 6401	General Pathology	1+1=2
CLS - 6403	Molecular diagnostic	2+2=4
2 Elective course		
CLS - 6003	Cell Biology and Cell Signaling	4+0 = 4

**3<sup>rd</sup> Semester**

Course Code	Course Title	Hours
CLS - 6009	Quality Control and Lab Management	3+0 = 3
CLS - 6402	Systemic pathology	2+1=3
CLS - 6404	Molecular oncology	2+1=3
1 Elective Courses		
CLS - 6002	Seminar	2+0 = 2

**Distributed diagnostic molecular pathology Courses by Semesters: 2<sup>st</sup> year**

**4<sup>th</sup> Semester**

Course Code	Course Name	Credit Hour
CLS - 6405	Advance Techniques in Histopathology	2+2=4
CLS - 6406	Cytopathology	2+2=4

**5<sup>th</sup> Semester**

Course Code	Course Title	Credit Hours
CLS - 6010	Research Project	0+5=5
CLS - 6005	Advance Biostatistics	1+1 = 2
1 Elective Courses		

**6<sup>th</sup> Semester**

Course Code	Course Title	Hours
CLS - 6010	Research Project	0+5=5