

sCOURSE DISTRIBUTION PER SEMESTER

A/A	Course Type	Course Name	Course Code	Periods per Week	Period Duration	Number of Weeks /Academic semester	Total periods / Academic semester	Number of ECTS
1st Semester								
1.	Compulsory	Chemistry for Biomedical Sciences	ABS101	3+2*	50	13	39+26*	6
2.	Compulsory	Biochemistry I	ABS103	3+2*	50	13	39+26*	6
3.	Compulsory	Cell Biology and Genetics	ABS105	3+2*	50	13	39+26*	6
4.	Compulsory	Human Anatomy	ABS107	2+***+1*	50	13	26+13***+13*	5
5.	Compulsory	English for Biomedical Sciences I	AENG141	3	50	13	26	2
6.	Elective	Free Elective			50	13		5

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2nd Semester								
1.	Compulsory	Mathematics and Elements of Statistics	ABS102	3+1**	50	13	39+13**	6
2.	Compulsory	Information systems in Health	ABS104	2+1*	50	13	26+13*	4
3.	Compulsory	Biochemistry II	ABS106	3+2*	50	13	39+26*	6
4.	Compulsory	Human Physiology	ABS108	3+1**	50	13	52	6
5.	Compulsory	Dietetics and Nutrition	ABS110	2	50	13	26	3
6.	Compulsory	Ethics for Biomedical Sciences	ABS112	2	50	13	26	3
7.	Compulsory	English for Biomedical Sciences II	AENG 142	3	50	13	26	2

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3rd Semester								
1.	Compulsory	Introduction to Microbiology	ABS201	3+2*	50	13	39+26*	6
2.	Compulsory	Health and Safety at work	ABS203	3+2*	50	13	39+26*	6
3.	Compulsory	Epidemiology and Public Health	ABS205	3+2*	50	13	39+26*	6
4.	Compulsory	Introduction to Haematology	ABS207	3+2*	50	13	39+26*	6
5.	Compulsory	Introduction to Immunology	ABS209	3+2*	50	13	39+26*	6
4th Semester								
1.	Compulsory	Internal Medicine and Pathophysiology I	ABS202	3	50	13	39	6

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2.	Compulsory	Biostatistics	ABS204	2+1**	50	13	26+13**	3
3.	Compulsory	Quality assurance and accreditation in biomedical sciences	ABS206	2+1*	50	13	26+13*	4
4.	Compulsory	Epidemiology of Infectious diseases	ABS208	3+2*	50	13	39+26*	6
5.	Compulsory	Molecular Biology and Biotechnology	ABS210	3+2*	50	13	39+26*	6
6.	Elective	Free Elective			50	13		5
5th Semester								
1.	Compulsory	Clinical Chemistry	ABS301	3+2*	50	13	39+26*	6
2.	Compulsory	Biomedical Instrumentation	ABS303	3+2*	50	13	39+26*	6
3.	Compulsory	Medical Microbiology	ABS305	3+2*	50	13	39+26*	6

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4.	Compulsory	Molecular Virology	ABS307	3+2*	50	13	39+26*	6
5.	Biomedical Elective	Selection of one (1) elective from the list below			50	13		6
6th Semester								
1.	Compulsory	Integrated Physiology	ABS302	3+2*	50	13	39+26*	6
2.	Compulsory	Immuno-heamatology	ABS304	3+2*	50	13	39+26*	6
3.	Compulsory	Laboratory techniques in Biomedical Sciences	ABS 306	2+(2+8)*	50	13	26+130* 2+8 hours per week in Clin. Lab. Total 156 hours	6
4.	Compulsory	Pharmacology	ABS308	3+2*	50	13	39+26*	6

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5.	Compulsory	Advanced Immunology	ABS310	3+2*	50	13	39+26*	6
7th Semester								
1.	Compulsory	Internal Medicine and Pathophysiology II	ABS401	3	50	13	39	4
2.	Compulsory	Pharmaceutical Biotechnology	ABS403	3+1**	50	13	39+13**	4
3.	Compulsory	Advanced Hematology and Transplantation	ABS405	3+2*	50	13	39+13*	5
4.	Compulsory	Research Methodology	ABS407	3+2*	50	13	39+13*	5
5.	Compulsory	Introduction to Bionformatics	ABS409	3+2*	50	13	39+26*	6
6.	Elective	Biomedical Elective			50	13		6

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8th Semester								
1.	Compulsory	Toxicology	ABS402	3+2*	50	13	39+26*	6
2.	Compulsory	Precision Medicine /Biomarkers	ABS404	3+2*	50	13	39+26*	6
3.	Compulsory	Parasitology and Mycology	ABS406	3+2*	50	13	39+26*	6
4.	Compulsory	Undergraduate Thesis	ABS408	-	-	13	-	12

*Lab Hours, **Tutorial Hours

Elective Courses

Selection of two (2) Biomedical Electives from the list below:

Biomedical Electives

A/A	Course Code	Course Name	ECTS
1.	ABS309	Principles of Biomedical Sciences; the disciplines	6
2.	ABS311	Biochemistry of Exercise and Sports	6
3.	ABS313	Human Genetics in the 21st Century	6
4.	ABS410	Metabolism and diseases	6
5.	ABS411	Molecular Pathology of complex diseases	6
6.	ABS413	Molecular Pharmacology	6
7.	ABS414	Entrepreneurship Theory in Biomedical Science	6
8.	ABS415	Innovation Studies	6