



Philadelphia University

Master Degree in Genes and Molecular Diagnostics

Study Plan (2023/2024) / 33 Credit Hours - **Thesis Track**



1. Compulsory Courses (25 Credit Hours)

Course No.	Course Title	Credit Hours	Delivery Method
0240740	Advanced Biochemistry	3	Blended
0240701	Advanced Cell Biology	3	Blended
0240780	Laboratory Applications in Molecular Diagnostics	3	Blended
0240710	Microbial Genetics and Genomics	2	Physical
0240760	Advanced Bioinformatics	3	Online
0240761	Quantitative Research & Biostatistics	2	Blended
0240799	Master Thesis	9	---

2. Elective Courses (8 Credit Hours)

Course No.	Course Title	Credit Hours	Delivery Method
0240730	Genetics of Human Diseases	2	Physical
0240702	Advanced Hematology	2	Physical
0240720	Plant Genetics and Genomics	2	Physical
0240703	Molecular Immunology	2	Physical
0240711	Molecular Virology and Mycology	2	Physical
0240712	Molecular Parasitology	2	Physical
0240750	Molecular Environmental Techniques	2	Physical
0240781	Forensic Molecular Biology	2	Physical
0240762	Statistical Genetics	2	Physical
0240790	Special Topics	2	Physical

جدول التخصصات والمواد الاستدراكية في حال لم تتم دراستها سابقاً:

- Bioinformatics	- الطب البشري
- Molecular Biology	- الطب البيطري
	- طب الأسنان
	- الزراعة
- Bioinformatics	- العلوم الحياتية
	- التحاليل الطبية
- Bioinformatics	- الصيدلة
- Genetics	



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0240740	Advanced Biochemistry	3	Blended
0240701	Advanced Cell Biology	3	Blended
0240780	Laboratory Applications in Molecular Diagnostics	3	Blended
0240710	Microbial Genetics and Genomics	2	Physical
0240760	Advanced Bioinformatics	3	Online
0240761	Quantitative Research & Biostatistics	2	Blended
0240798	Mini Research Project	3	---
0240702	Advanced Hematology	2	Physical
0240711	Molecular Virology and Mycology	2	Physical
0240703	Molecular Immunology	2	Physical

جدول التخصصات والمواد الاستدراكية في حال لم تتم دراستها سابقاً:	
- Bioinformatics - Molecular Biology	- الطب البشري - الطب البيطري - طب الأسنان - الزراعة
- Bioinformatics	- العلوم الحياتية - التحاليل الطبية
- Bioinformatics - Genetics	- الصيدلة

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