

**COMSATS Institute of Information Technology**  
**Registrar Office, Principal Seat, Islamabad**

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No: CIIT-Reg/Notif- 688/12/1012

July 3, 2012

**NOTIFICATION**

**Scheme of Studies of Doctor of Philosophy (PhD) in Molecular Genetics**

It is hereby notified that the Academic Council in its 13<sup>th</sup> meeting held on June 04, 2012 approved the following scheme of studies of Doctor of Philosophy (PhD) in Molecular Genetics program for session Fall 2012 only at CIIT system:

**Minimum No. of Credit Hours**

1. PhD Course Work	18
2. PhD Thesis	09

**Note:**

- All Rules and Regulations approved by BASAR from time to time shall be applicable
- PhD supervisors can suggest any graduate level approved course related to the thesis project of their students from the above list.

This issue with approval of the Competent Authority.

  
**Nadeem Uddin Qureshi**  
Additional Registrar

**Encl: (3 pages in total including this page)**

**Distribution:**

1. Dean Faculty of Science, CIIT.
2. Chairperson, Department of Biosciences, CIIT.
3. Incharge, CIIT Islamabad Campus.
4. Incharge Academics, CIIT Campuses.
5. All HoDs Department of Biosciences, CIIT, Campuses.
6. Controller of Examinations, CIIT.
7. Incharge Examinations, CIIT Campuses.

**CC:**

1. PS to Rector
2. PA to Registrar

**Thesis**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO900	Thesis	9

**List of Courses**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO601	Advances in Molecular Biology	4(4, 0)
BIO602	Advances in Microbiology	4(4, 0)
BIO603	Molecular Genetics	4(4, 0)
BIO604	Developmental Biology	4(4, 0)
BIO605	Bioinformatics	4(3, 1)
BIO607	Essentials of Virology	4(4, 0)
BIO604	Principles of Computational Biology	4(3, 1)
BIO702	Gene Regulation and Expression	4(4, 0)
BIO703	Molecular Immunology	4(4, 0)
BIO704	Trends in Genomics	4(4, 0)
BIO705	Nucleic Acids	4(4, 0)
BIO706	Protein Chemistry	4(4, 0)
BIO707	Recombinant DNA Technology	4(4, 0)
BIO708	Advances in Molecular Genetics	4(4, 0)
BIO709	Report Writing and Seminar	4(4, 0)
BIO710	Research Techniques	4(2, 2)
BIO716	Fundamentals of Microbial Genomics and Proteomics	4(4, 0)
BIO723	Cancer Genetics	4(4, 0)
BIO724	Cytogenetics	4(4, 0)
BIO725	Human Genetics	4(4, 0)
BIO726	Clinical Genetics	4(4, 0)
BIO740	Concepts in Systems Biology	4(4, 0)
BIO742	Principles and Applications of Proteomics	4(3, 1)
BIO752	Virus Based Gene Therapy and DNA Vaccines	4(4, 0)
BIO754	Tissue Culture and its Applications	2(1, 1)
BIO755	Epigenetics	3(3, 0)
BIO761	Cell Signaling	2(2, 0)
BIO762	Biomolecular Modeling	3(2, 1)
BIO801	Seminar	1(1, 0)
BIO802	The History and Philosophy of Science	1(1, 0)
BIO803	The Origin and Evolution of Life on Earth	1(1, 0)
BIO804	Advances in Cell Biology	4(4, 0)

BIO806	Advances in Biosciences Research	6(6, 0)
BIO807	Special Paper	3(3, 0)
BTY662	Cell Biology and Genetics	3(3, 0)
BTY663	Conservation Genetics	3(3, 0)
BTY669	Biometrical Techniques in Genetics	3(3, 0)
ENV663	Genetic Engineering and Biotechnology	3(3, 0)
ENV672	Molecular and Microbial Genetics	3(3, 0)

*Included.*