

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

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No: CIIT-Reg/Notif- 687/12/1006

July 3, 2012

**NOTIFICATION**

**Scheme of Studies of Master of Science (MS) 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 Master of Science (MS) in Molecular Genetics program for session Fall 2012 only at CIIT system:

	<u>Minimum No. of Courses</u>	<u>Minimum No. of Credit Hours</u>
<b>1. MS Course Work</b>		
i. Core Courses (list attached)	02	08
ii. Elective Courses (list attached)	4-8	16
<b>Total Credit Hours of course work</b>		<b>24</b>
<b>2. MS Thesis</b>		<b>06</b>
<b>3. Total Credit Hours of the Program</b>		<b>30</b>

**Note:**

**All Rules and Regulations approved by BASAR from time to time shall be applicable**

This issue with approval of the Competent Authority.

  
**Nadeem Uddin Qureshi**  
Additional Registrar

**Encl: (2 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

**List of Core Courses**

Course Code	Course Title	Credits Hours
BIO601	Advances in Molecular Biology	4(4, 0)
BIO603	Molecular Genetics	4(4, 0)

**Thesis**

Course Code	Course Title	Credits Hours
BIO800	MS Thesis	6

**List of Elective Courses**

Course Code	Course Title	Credits Hours
BIO602	Advances in Microbiology	4(4, 0)
BIO605	Bioinformatics	4(3, 1)
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)
BIO702	Gene Regulation and Expression	4(4, 0)
BIO704	Trends in Genomics	4(4, 0)
BIO705	Nucleic Acids	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)
BIO723	Cancer Genetics	4(4, 0)
BIO724	Cytogenetics	4(4, 0)
BIO725	Human Genetics	4(4, 0)
BIO726	Clinical Genetics	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)

*Jachin Loh*