

School of Health and Medical Science  
Master of Cytogenetics

**Course Code**

Course no.	Course title	Course credit
<b>General Courses (6 hours)</b>		
04022212	Laboratory Quality Control	2
04022213	Application of Biostatistics	2
04022214	Research Methodology and Ethics	2
<b>Specialized Courses (18 hours)</b>		
04022201	Human Cytogenetics	2
04022202	Advanced Genetics	2
04022203	Clinical Genetics	2
04022204	Epigenetics and Cancer	2
04022205	Chromosome Biology and Karyotyping	2
04022206	Genetic Counselling	2
04022207	Seminar: Current Topics in Cytogenetics	2
<b>Special topic (6 hours)</b>		
04022112	Teaching Skills	2
04022208	Genetic Engineering	2
04022107	Diagnostic Molecular Techniques	2
04022209	Cell and Tissue Culture	2
04022210	Immunohistochemistry and Microscopy	2
<b>Supporting Course (8 hours)</b>		
04022211	Dissertation	8

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Teaching Plan (26 +8 Credit hours)

**First Semester:**

No.	Course no.	Course title	Course credit
1	04022201	Human Cytogenetics	2
2	04022202	Advanced Genetics	2
3	04022212	Laboratory Quality Control	2
4	04022214	Research Methodology and Ethics	2
<b>Total</b>			<b>8</b>

**Second Semester:**

No.	Course no.	Course title	Course credit
1	04022203	Clinical Genetics	2
2	04022204	Epigenetics and Cancer	2
3	04022205	Chromosome Biology and Karyotyping	2
4	00000000	Special Topic (Elective course available)	2
	04022207	Seminar: Current Topics in Cytogenetics	2
<b>Total</b>			<b>10</b>

**Third Semester:**

No.	Course no.	Course title	Course credit
1	04022206	Genetic Counselling	2
2	04022213	Application of Biostatistics	2
3	00000000	Special Topic (Elective course available)	2
4	00000000	Special Topic (Elective course available)	2
<b>Total</b>			<b>8</b>

**Forth Semester:**

No.	Course no.	Course title	Course credit
1	04022211	Dissertation	8
<b>Total</b>			<b>8</b>