| CURRICULUM |

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>16 units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genetics 201</td>
<td>Principles of Human Genetics</td>
</tr>
<tr>
<td>GC 201</td>
<td>Principles of Genetic Counseling</td>
</tr>
<tr>
<td>Biostat 201</td>
<td>Fundamentals of Biostatistics</td>
</tr>
<tr>
<td>Epi 201</td>
<td>Principles of Epidemiology</td>
</tr>
<tr>
<td>Biostat 206</td>
<td>Research Methods I</td>
</tr>
<tr>
<td>HPED 261</td>
<td>Organization and Management of Health Programs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Major Courses</th>
<th>13 units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GC 202</td>
<td>Psychosocial Aspects of Genetic Counseling</td>
</tr>
<tr>
<td>Genetics 202</td>
<td>Public Health Genetics</td>
</tr>
<tr>
<td>GC 203</td>
<td>Applied Genetic Counseling</td>
</tr>
<tr>
<td>GC 207</td>
<td>Seminars in Genetics and Genomic Medicine</td>
</tr>
<tr>
<td>GC 204</td>
<td>Professional Issues in Genetic Counseling</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives Courses</th>
<th>2 units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GC 205</td>
<td>Genetic Counseling in Hospital Setting</td>
</tr>
<tr>
<td>GC 206</td>
<td>Genetic Counseling in Community Setting</td>
</tr>
<tr>
<td>CE 267</td>
<td>Seminars in Health Social Science</td>
</tr>
<tr>
<td>MI 238</td>
<td>Applications of Internet Technologies in Health care</td>
</tr>
</tbody>
</table>

Master's Thesis (6 units)

Total 37 units

COURSES DESCRIPTION

**Genetics 201 Principles of Human Genetics**  
Introduction to the organization of the human genome and principles of inheritance in humans

**Genetics 202 Public Health Genetics**  
Overview of genetics and public health, historical perspectives, its integration into the public health practice, current challenges and opportunities

**Genetic Counseling 201 Principles of Genetic Counseling**  
Fundamental theories and principles of effective patient/client interviewing in genetic counseling practice

**Genetic Counseling 202 Psychosocial Aspects of Genetic Counseling**  
Psychosocial and counseling theories, approaches, and resources necessary for the provision of genetic counseling

**Genetic Counseling 203 Applied Genetic Counseling**  
Hands-on training in various genetics clinic (e.g., general, metabolic, newborn screening, prenatal, cancer) serving a variety of referral indications and attendance to regional genetics clinic and newborn screening centers

**Genetic Counseling 204 Professional Issues in Genetic Counseling**  
Professional standards, ethics, legal principles, health systems and policy issues relevant to genetic counselors

**Genetic Counseling 205 Genetic Counseling in Hospital Setting**  
Clinical rotation in a genetics clinic of choice serving a variety of referral indications

**Genetic Counseling 206 Genetic Counseling in Community Setting**  
Clinical rotation in a community setting of choice.

**Genetic Counseling 207 Seminars in Genetics and Genetic Counseling**  
Topics in medical genetics in a forum setting

**Genetic Counseling 300 Master's Thesis**  
Thesis research project in the field of genetic counseling
The academic year is divided into 2 semesters of 16 weeks each, excluding registration and final examination periods. The 1st semester starts in August and ends in December, while the 2nd semester covers the period from January to May. The summer session of 6 weeks following the 2nd semester is usually in late June and July. English is generally used as the medium of instruction. A full-time student's normal load is 12-15 units per semester and 6 units during summer; a part-time student takes half of this load.

The tuition fee is P980.00 per unit; library fee is P1,050.00 and other fees is P350.00 per semester. A student with a load of 15 units in a semester matriculates P16,250.00 on the average while a foreign student pays an additional Educational Development Fund of US $ 500.00 (US $100.00 for residency only) for every semester.

There is a processing fee of P300.00 for Filipino applicants while interested foreigners are charged US $30.00. Application materials are submitted at the end of December of each year.

The following are the grade requirements for each student to be of good standing in the program: 1) general weighted average of 2.00 or better, 2) weighted average of 2.00 or better for the major/ required courses, and 3) no grade of 5.00 in any academic course. A maximum of 5 years is given to a student to finish the program.

The master's degree will be awarded upon completion of 29 units of formal courses (core and major courses), 2 units of elective/ cognate courses and 6 units of thesis work.

### Admission Requirements

The following are the minimum NGOHS requirements:

1. Good scholastic record from any recognized institution of higher learning
   - prerequisite include completion of undergraduate courses in biology, chemistry, psychology or related courses.
2. Entrance Interview
3. Duly accomplished Application Form (available at the Graduate Office or through ngohs.upm.edu.ph) together with the following documents:
   - original copy of the official Transcript of Records
   - 2 recommendations from former professors, supervisors or employers (forms included in the application packet)
   - receipt of processing fee paid at the UPM Cashier's Office
   - certified true copy of college diploma with the seal of the university and the signature of the registrar in ink
   - 4 passport-size photos
   - photocopy of birth certificate and marriage certificate for married female applicants
   - essay on an 8-1/2” x 11” sheet of paper stating the interest in genetic counseling and your view of self-directed learning as a method of instruction, and a description of your research interest
4. For foreign applicants, additional requirements include:
   - official Transcript of Records in English. If written in another language, must be translated to English and authenticated by the Philippine consulate/embassy from country of origin
   - certified true copy of diploma with the seal of the university and the signature of the registrar in ink. If written in another language, must be translated to English and authenticated by the Philippine consulate/embassy from country of origin
   - official TOEFL score of at least 550 (written test) or 173 (computerized test); 61 (internet based) or other Certification of English proficiency equivalent to TOEFL (e.g. IELTS (band 6); a certificate that English is the medium of instruction in the university where the student has graduated from is sufficient to waive this requirement
   - affidavit of support or certification of financial capability
   - photocopy of passport (present original for verification)

### Graduation Requirements

A candidate for the degree of Master of Science in Genetic Counseling must comply with the rules of graduation of the University.

1. Completion of academic requirements with a general weighted average not lower than 2.0;
2. Passing written comprehensive examination in the department;
3. Completion of the thesis research project. This must be an original research work that constitutes a substantial contribution to knowledge or skill in genetic counseling, through oral and written form;
4. Submission of a log book documenting 40 genetic counseling cases per year.

### Program Goals

As the students complete the two-year degree program, they will be competent in assisting clinical medical geneticists in diagnosing and managing patients with various genetic conditions. The students will be able to address the implications of the diagnosis, both medically and psychosocially, to the patient and members of their families. Graduates will be able to:

1. apply the basics of human genetics and the principles of clinical medical genetics and genetic counseling to patients;
2. provide supportive genetic counseling to families, serve as patient advocates, and refer patients and families to community and/or local government support services;
3. contribute to existing knowledge on genetic counseling through research;
4. serve as educators and resource for other health care professionals and for the general public; and
5. plan, develop, and evaluate genetic services programs.