

FORM AA-EPG

Course Program for a Ph.D. in GGB: Evolution and Population Genetics Track

Student's Name: _____

Use the following outline as a check list to be sure that **ALL** coursework requirements have been met. This list (Form AA-EPG) will be submitted to the Graduate Advisor along with a Course Plan (Form BB), additional relevant courses taken (Form CC) and a letter from the Chair of the Guidance Committee explaining any unusual features of the file.

Entry Requirements (courses taken as an undergrad*): Equivalent Course at other institution:
(Course #, Title, Year, Grade,

Institution) Courses at UCR: ____ BCH 100 Elementary Biochemistry

____ BIOL 5A-5B-C General Biology _____

____ BIOL 102 Introductory Genetics _____

____ BIOL 108 Intro. to Population Genetics _____

____ CHEM 1A-1B-C General Chemistry _____

____ CHEM 112A-B Organic Chemistry _____

____ MATH 9A-B Calculus _____

____ STAT 100A Introduction to Statistics _____

** Deficiencies will be rectified in the first year at UCR*

Core Classes (required courses to be taken in the GGB program at UCR):

Evolutionary Biology Requirement:

___ BIOL 216 Theory of Evolution (*Fall, Spring*)

Population Genetics

Requirement:

___ BIOL 214 Advanced Population Genetics (*Winter*)

Statistics Requirement:

Complete at least one course from among the following:

___ MATH 149A Probability and Mathematical Statistics (*Fall*)

___ PSYC 211 Statistical Inference (*Fall*)

___ PSYC 212 Multiple Regression and Correlation Analysis (*Spring*)

___ PSYC 213 Experimental Design and Analysis of Variance (*Winter*)

___ STAT 110 Biostatistical Methods in Life Sciences (*Fall*)

___ STAT 155 Probability and Statistics for Science and Engineering (*Fall, Winter, Summer*)

___ STAT 160A Elements of Probability and Statistical Theory (*Fall*)

___ STAT 160B Elements of Probability and Statistical Theory (*Winter*)

___ STAT 160C Elements of Probability and Statistical Theory (*Spring*)

___ STAT 170A Regression Analysis (*Fall*)

___ STAT 170B Design of Experiments (*Winter*)

___ STAT 231A Statistics for Biological Sciences (*Winter*)

___ STAT 231B Statistics for Biological Sciences (*Spring*)

Additional Course

Requirements:

Complete at least one course from among the following:

_____ BIOL 215 Advanced Methods for Data Analysis (*Spring*)

_____ BIOL 219 Theory of Systematics (*Spring*)

_____ BPSC 223 Applied Evolutionary Genetics (*Winter*)

_____ GEN 240A Advances in Bioinformatics and Genomics (*Winter*)

_____ or a graduate level course approved by the Guidance Committee and Graduate Advisor