

## Term Information

Effective Term Spring 2015

## General Information

Course Bulletin Listing/Subject Area Psychology  
Fiscal Unit/Academic Org Psychology - D0766  
College/Academic Group Arts and Sciences  
Level/Career Graduate, Undergraduate  
Course Number/Catalog 5602  
Course Title Behavioral Genetics  
Transcript Abbreviation Behavior Genetics  
Course Description Behavioral genetics is the field of study that examines the role of genetics in animal (including human) behavior. It is highly interdisciplinary, involving contributions from biology, genetics, epigenetics, ethology, psychology, & statistics. The goal is to provide knowledge concerning the interrelationship of genetics & behavior, & its implications for health & human development & education.  
Semester Credit Hours/Units Fixed: 3

## Offering Information

Length Of Course 14 Week, 7 Week, 4 Week (May Session), 12 Week (May + Summer)  
Flexibly Scheduled Course Never  
Does any section of this course have a distance education component? No  
Grading Basis Letter Grade  
Repeatable No  
Course Components Lecture  
Grade Roster Component Lecture  
Credit Available by Exam No  
Admission Condition Course No  
Off Campus Never  
Campus of Offering Columbus

## Prerequisites and Exclusions

Prerequisites/Corequisites Psych 2220, 2300, and 3313; or Neuroscience major and 3313; or graduate standing  
Exclusions

## Cross-Listings

Cross-Listings

## Subject/CIP Code

Subject/CIP Code 42.0101  
Subsidy Level Doctoral Course  
Intended Rank Junior, Senior, Masters, Doctoral

## Requirement/Elective Designation

The course is an elective (for this or other units) or is a service course for other units

## Course Details

### Course goals or learning objectives/outcomes

- Describe the basic rules of heredity, its DNA basis, and the methods used to find genetic influence and to identify specific genes
- Understand the role of genes in cognitive disabilities and abilities, psychopathology, personality, health psychology, aging, and evolutionary psychology.
- Understand the interactions between gene and environment for determining nonhuman and human behaviors
- Learn to research and read the primary scientific literature on Behavioral Genetics and develop critical thinking about scientific publications

### Content Topic List

- Mendelian/Basic Genetics
- Epigenetics
- Gene-environment interactions
- Animal Models. Neuro-Genetics – Pharmacogenetics
- Twin Method / Personality
- Schizophrenia, other psychopathologies
- Autism/Neurodevelopmental Disorders
- Alcoholism

## Attachments

- Psychology Curriculum Map for Psych 5602.xlsx: curriculum map

*(Other Supporting Documentation. Owner: Paulsen,Alisa Marie)*

- Psych 5602 Syllabus SP2015.docx: syllabus

*(Syllabus. Owner: Paulsen,Alisa Marie)*

## Comments

- We are in the process of revising our curriculum map and will submit it when it is complete. I have attached the revised map with only Psych 5602, showing where this course will fit in the undergraduate curriculum. *(by Paulsen,Alisa Marie on 04/08/2014 10:33 AM)*

## Workflow Information

| Status           | User(s)  | Date/Time           | Step                   |
|------------------|--|---------------------|------------------------|
| Submitted        | Paulsen,Alisa Marie  | 04/09/2014 03:35 PM | Submitted for Approval |
| Approved         | Vasey,Michael William  | 04/09/2014 03:36 PM | Unit Approval          |
| Approved         | Haddad,Deborah Moore   | 04/09/2014 04:17 PM | College Approval       |
| Pending Approval | Vankeerbergen,Bernadette Chantal<br>Nolen,Dawn<br>Jenkins,Mary Ellen Bigler<br>Hogle,Danielle Nicole<br>Hanlin,Deborah Kay | 04/09/2014 04:17 PM | ASCCAO Approval        |