

## **COURSES FULFILLING REQUIREMENTS IN THE DOCTORAL DEGREE PROGRAM (Approved 12/12/11)**

The following Department of Biology courses have been pre-approved by the Graduate Committee to fulfill requirements in the specified categories of the Foundation Core and Area of Focus within the Doctoral degree program. Students wishing to have other courses fulfill these requirements must petition the Graduate Committee with the support of their Student Advisory Committee. Biology graduate students must register for Departmental coursework at the highest level available.

### **Foundation Core**

1. Biology 650 Advanced Biostatistics; and
2. Biology 669 Evolution

### **Area of Focus**

#### Ecology, Evolution and Behavioral Biology

1. Biology 663 Population and Community Ecology; and
  2. Biology 662 Ecosystem Ecology or Biology 610 Behavioral Ecology

#### Molecular, Cellular and Developmental Biology

1. Biology 642 Advanced Gene Structure and Function, or Biology 668 Molecular Biology; and
2. Biology 615 Advanced Environmental Physiology or Biology 640 Advanced Intermediary Metabolism

## **COURSES FULFILLING REQUIREMENTS IN THE MASTERS DEGREE PROGRAMS**

The following Department of Biology courses have been pre-approved by the Graduate Committee to fulfill requirements in the General Background, Statistics, and Research Experience (non-thesis only) categories within the masters degree programs. Students wishing to have other courses fulfill these requirements must petition the Graduate Committee with the support of their Student Advisory Committee. Biology graduate students must register for Departmental coursework at the highest level available.

### Cellular/Physiology

Biology 615 Advanced Environmental Physiology  
Biology 640 Advanced Intermediary Metabolism

### Subcellular/Genetics

Biology 642 Gene Structure and Function  
Biology 668 Molecular Biology

### Evolution

Biology 669 Advanced Evolution

### Population, Community or Ecosystem Ecology

Biology 662 Ecosystem Ecology  
Biology 663 Population and Community Ecology

### Statistics

Biology 650 Advanced Biostatistics

### Research Experience (for non-thesis students only)

Biology 691 Independent Research