

# ANA - ANATOMY AND CELL BIOLOGY

---

## **ANA 6050 Biology of the Eye Cr. 3**

Introduction to biology of eye structure/function, and to causes and clinical treatments of eye-related disorders and diseases. Offered for undergraduate credit only. Offered Yearly.

**Restriction(s):** Enrollment is limited to Undergraduate level students.

**Course Material Fees:** \$25

**Equivalent:** BIO 6055, PYC 6050

## **ANA 7010 Human Gross Anatomy Cr. 8**

Lectures and dissection of limbs, back, thorax, abdomen, head and neck, pelvis and perineum. Written and practical examinations. Offered Fall.

**Restriction(s):** Enrollment is limited to students with a major in Anatomy & Cell Biology; enrollment is limited to Graduate level students.

## **ANA 7030 Human Microscopic Anatomy Cr. 4**

The microscopic structure of tissues and organs. Lectures and laboratory study. Offered Fall.

**Restriction(s):** Enrollment is limited to students with a major in Anatomy & Cell Biology or Pathology; enrollment is limited to Graduate level students.

## **ANA 7055 Biology of the Eye Cr. 3**

Integrated introduction to basic biological structure/function of the eye; causes and clinical treatments of eye-related disorders and diseases. Offered Fall.

**Restriction(s):** Enrollment is limited to Graduate level students.

**Equivalent:** BIO 7055

## **ANA 7065 Mechanisms of Ocular Disease I Cr. 2**

Lectures and readings on mechanisms and current treatments for diseases of the anterior segment of the eye. Offered Winter.

**Prerequisite:** ANA 7055 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students.

## **ANA 7075 Mechanisms of Ocular Disease II Cr. 2**

Lectures and readings on mechanisms and current treatments for diseases of the posterior segment of the eye. Offered Fall.

**Prerequisite:** ANA 7055 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students.

## **ANA 7130 Neuroanatomy Cr. 4**

Lecture and laboratory study of the nervous system. Offered Winter, Spring/Summer.

**Restriction(s):** Enrollment is limited to students with a major in Anatomy & Cell Biology; enrollment is limited to Graduate level students.

## **ANA 7260 Special Dissection Cr. 2-10**

Offered Every Term.

**Restriction(s):** Enrollment is limited to students with a major in Anatomy & Cell Biology; enrollment is limited to Graduate level students.

**Repeatable for 20 Credits**

## **ANA 7270 Special Projects in Anatomy Cr. 2-10**

Research rotations leading to selection of permanent advisor. Offered Every Term.

**Restriction(s):** Enrollment is limited to students with a major in Anatomy & Cell Biology; enrollment is limited to Graduate level students.

## **ANA 7890 Seminar Cr. 1**

Biweekly departmental seminar. Offered Every Term.

**Restriction(s):** Enrollment is limited to students with a major in Anatomy & Cell Biology; enrollment is limited to Graduate level students.

**Repeatable for 4 Credits**

## **ANA 7996 Research Cr. 1-15**

Research under direction of permanent advisor. Offered Every Term.

**Restriction(s):** Enrollment is limited to students with a major in Anatomy & Cell Biology; enrollment is limited to Graduate level students.

**Repeatable for 30 Credits**

## **ANA 8999 Master's Thesis Research and Direction Cr. 1-8**

Original research leading to M.S. degree under Plan A. Offered Every Term.

**Restriction(s):** Enrollment limited to students with a class of Candidate Masters; enrollment is limited to students with a major in Anatomy & Cell Biology; enrollment is limited to Graduate level students.

**Repeatable for 8 Credits**

## **ANA 9990 Pre-Doctoral Candidacy Research Cr. 1-8**

Research in preparation for doctoral dissertation. Offered Every Term.

**Restriction(s):** Enrollment is limited to Graduate level students.

**Repeatable for 12 Credits**

## **ANA 9991 Doctoral Candidate Status I: Dissertation Research and Direction Cr. 7.5**

Offered Every Term.

**Restriction(s):** Enrollment limited to students with a class of Doctoral Candidate; enrollment is limited to Graduate level students.

## **ANA 9992 Doctoral Candidate Status II: Dissertation Research and Direction Cr. 7.5**

Offered Every Term.

**Prerequisite:** ANA 9991 with a minimum grade of S

**Restriction(s):** Enrollment is limited to Graduate level students.

## **ANA 9993 Doctoral Candidate Status III: Dissertation Research and Direction Cr. 7.5**

Offered Every Term.

**Prerequisite:** ANA 9992 with a minimum grade of S

**Restriction(s):** Enrollment is limited to Graduate level students.

## **ANA 9994 Doctoral Candidate Status IV: Dissertation Research and Direction Cr. 7.5**

Offered Every Term.

**Prerequisite:** ANA 9993 with a minimum grade of S

**Restriction(s):** Enrollment is limited to Graduate level students.

## **ANA 9995 Candidate Maintenance Status: Doctoral Dissertation Research and Direction Cr. 0**

Offered Every Term.

**Restriction(s):** Enrollment is limited to Graduate level students.

**Course Material Fees:** \$416.08

**Repeatable for 0 Credits**