

03-350 Developmental Biology

- Elective for Bio Majors
- 9 Units (3 hours lecture/week)
- Pre-requisites: Cell Bio 03240

Instructor: Prof. Mohamed Bouaouina

Student evaluation: 3 exams & one final, 4 problem sets, weekly quizzes and discussion of primary literature (Tentative)

Learning Goals

This course focuses on several aspects of the development of multicellular organisms including: differential gene expression, cell differentiation, cell-cell signaling, cell and tissue movements, morphogenesis, and stem cell biology. By taking this course, you will:

- 1) **Understand the conceptual framework of developmental biology.** What are the fundamental questions that development poses?
- 2) **Understand the experimental strategies that biologists use to study development.**
- 3) **Gain an understanding of the current state of scientific knowledge concerning the cellular, molecular, and genetic mechanisms that underlie development.**

