BIOLOGICAL SCIENCES 333
Developmental Biology
Fall 2017 (1177)

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Prerequisites:
BISC202, MBB 222 and MBB231 with a grade of C- or better.

Course description:
This is an introductory course in Developmental Biology. It focuses on a number of model organisms (plants, invertebrates and vertebrates) and addresses key questions such as: How do cells in the developing embryo differentiate into specialized cells such as neurons or muscle cells? How do these cells organize themselves to form an intact animal or plant? The course will cover the sequence of events during embryogenesis (pattern formation, cell fate specification, cell migration and morphogenetic events, cell differentiation, organogenesis) with the goal of illustrating general principles and molecular mechanisms of development.
The course is aimed at a general audience of biology students. The course is introductory but requires a basic understanding of genetics and cell and molecular biology.

Recommended textbook:
Principles of Development.
iClickers will be used in this course.

Mark distribution:

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(preliminary, might be subject to change)