

**Biology 441L Vertebrate Embryology Laboratory**  
**Albert Harris Spring 2019**

**This is the laboratory course that accompanies Biology 441, Vertebrate Embryology**

The laboratory is **not required** for students taking the lecture course, but students taking the laboratory should be taking the lecture course concurrently, or have done so previously.

**There are four sections, which meet in room 138 Wilson Hall:**

Wednesday 12:20 to 3:20 pm  
Wednesday 3:30 to 6:20 pm  
Thursday 12:30 to 3:15 pm  
Thursday 3:30 to 6:20 pm

**Teaching assistants:** Kayla Goforth and Elizabeth Moore

Albert Harris, Office: Room 103 Wilson Hall  
Office Hours: 10-12 Monday and Wednesday, or at other times by appointment  
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January 16/17	Embryology of Sea Urchins
January 23/24	Gastrulation of Frogs and Salamanders
January 30/31	Gastrulation of Birds
February 6/7	Shape formation by Pressure, Curvature and Tension
February 13/14	Somite Development: How Vertebrate Bodies Create their Segments
February 20/21	Ovaries and Testes
February 27/28	Dictyostelium: Cell Locomotion, Chemotaxis, Differentiation and Structure Formation
March 6/7	Time Course of Chick Development
	SPRING BREAK
March 20/21	Liesegang Rings
March 27/28	Dissection of Early Chick Embryos
April 3/4	Cancer and Atherosclerosis in Relation to Embryology
April 10/11	Begin Tissue Cultures from Chick Embryos
April 17/18	Observation of Tissue Cultures
April 24/25	NO SCHEDULED LAB (unless a previous lab was cancelled because of weather), but makeups of previous labs can be arranged by appointment.