

DEVELOPMENTAL AND STEM CELL BIOLOGY (DEV STMCEL)

DEV STMCEL 215 Laboratory Rotation (3-8 Units) Fall, Winter, Spring, Summer

Instructor(s): Staff

Prerequisite(s): None.

Restrictions: For graduate students enrolled in the DSCB Program.

Activities: Laboratory, Project

Research experience in the laboratory of DSCB faculty members. Rotations will be six weeks each (two in one term and one in another). Students can select the laboratory of any faculty member within the DSCB Graduate Program.

School: Graduate Division

Department: Developmental And Stem Cell Biology Program

May the student choose the instructor for this course? Yes

Does enrollment in this course require instructor approval? Yes

Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: Yes

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

Repeat course for credit? Yes

DEV STMCEL 216 Journal Club (1 Units) Fall, Winter, Spring

Instructor(s): Daniel E Wagner, Todd G. Nystul

Prerequisite(s): None.

Restrictions: None.

Activities: Seminar

Participation in the Developmental Biology Journal Club and Stem Cell Biology Journal Club, which cover current research publications in developmental and stem cell biology. Each student must contribute regularly and present a research paper on at least one occasion per quarter. Presentations will be evaluated by fellow students, postdocs, and faculty. Course culminates with an annual student-run Symposium.

School: Graduate Division

Department: Developmental And Stem Cell Biology Program

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: Yes

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

Repeat course for credit? Yes

DEV STMCEL 217 Seminar Series (1 Units) Fall, Winter, Spring

Instructor(s): Brian L. Black

Prerequisite(s): None.

Restrictions: None.

Activities: Seminar

Seminar series covering research in developmental and stem cell biology. Each student must participate regularly and presentations will be critically reviewed by students in group discussions under supervision by faculty or guest lecturers.

School: Graduate Division

Department: Developmental And Stem Cell Biology Program

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: Yes

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

Repeat course for credit? Yes

DEV STMCEL 250 Research (1-8 Units) Fall, Winter, Spring, Summer

Instructor(s): Staff

Prerequisite(s): Students must have completed prior laboratory rotations.

Restrictions: None.

Activities: Laboratory

Dissertation research in a Developmental & Stem Cell Biology (DSCB) laboratory.

School: Graduate Division

Department: Developmental And Stem Cell Biology Program

May the student choose the instructor for this course? Yes

Does enrollment in this course require instructor approval? Yes

Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: Yes

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

Repeat course for credit? No

DEV STMCEL 257 Developmental and Stem Cell Biology (4 Units) Fall

Instructor(s): Julie B Sneddon, Jeffrey O Bush

Prerequisite(s): Previous or concurrent enrollment in graduate level cell biology.

Restrictions: None.

Activities: Lecture, Seminar, Project

A course emphasizing the fundamental concepts of stem cell biology and development. The interrelated themes of pluripotency, differentiation, organogenesis, regeneration, patterning and morphogenesis will be approached through the lens of the organism, with emphasis on what different model systems teach us about the evolution of development. It will comprise case studies organized in coordinated mini-units, through which concepts, cellular behaviors and molecular mechanisms will be explored.

School: Graduate Division

Department: Developmental And Stem Cell Biology Program

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? Yes

Course Grading Convention: Letter Grade

Graduate Division course: Yes

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

Repeat course for credit? No

DEV STMCEL 270 Special Topics in Developmental & Stem Cell Biology (3 Units) Spring

Instructor(s): Staff

Prerequisite(s): None. Completion of first-year curriculum in Developmental & Stem Cell Biology or other experimental biology graduate programs is helpful but not essential.

Restrictions: Biomedical Sciences graduate students and other graduate and professional students with interests in DSCB. Permission from instructor required.

Activities: Lecture, Independent Study

Course offerings will focus on literature of a current important area of Development & Stem Cell biology research. Students will be expected to read assigned papers critically before class and to present and discuss papers in class. Students will also be expected to write and/or present a brief research proposal based upon their reading.

School: Graduate Division

Department: Developmental And Stem Cell Biology Program

May the student choose the instructor for this course? Yes

Does enrollment in this course require instructor approval? Yes

Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: Yes

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? Yes