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.
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? Yes
Is this an Interprofessional Education (IPE) course? Yes
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.
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? Yes
Is this an Interprofessional Education (IPE) course? Yes
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.
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? Yes
Is this an Interprofessional Education (IPE) course? Yes
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.
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? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? Yes
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, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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

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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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

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