

Pathology and Laboratory Medicine (PATH)

Courses

PATH 200A. Research in Experimental Pathology. 2-12 Units.

Independent research for the Ph.D. program within the laboratories of graduate training faculty in Experimental Pathology.

Corequisite: PATH 203A

Repeatability: Unlimited as topics vary.

PATH 200B. Research in Experimental Pathology. 2-12 Units.

Independent research for the Ph.D. program within the laboratories of graduate training faculty in Experimental Pathology.

Corequisite: PATH 203B

Repeatability: Unlimited as topics vary.

PATH 200C. Research in Experimental Pathology. 2-12 Units.

Independent research for the Ph.D. program within the laboratories of graduate training faculty in Experimental Pathology.

Corequisite: PATH 203C

Repeatability: Unlimited as topics vary.

PATH 200R. Research in Experimental Pathology for First-Year Students. 2-12 Units.

Independent research within the laboratories of graduate training faculty in Experimental Pathology for first-year Ph.D. students.

Grading Option: Satisfactory/unsatisfactory only.

Repeatability: May be taken for credit 3 times.

PATH 203A. Advanced Studies in Experimental Pathology. 1 Unit.

A tutorial course for Ph.D. students in Experimental Pathology entailing attendance at Departmental seminars and critical reading of the scientific literature.

Corequisite: PATH 200A

Repeatability: May be repeated for credit unlimited times.

PATH 203B. Advanced Studies in Experimental Pathology. 1 Unit.

A tutorial course for Ph.D. students in Experimental Pathology entailing attendance at Departmental seminars and critical reading of the scientific literature.

Corequisite: PATH 200B

Repeatability: May be repeated for credit unlimited times.

PATH 203C. Advanced Studies in Experimental Pathology. 1 Unit.

A tutorial course for Ph.D. students in Experimental Pathology entailing attendance at Departmental seminars and critical reading of the scientific literature.

Corequisite: PATH 200C

Repeatability: May be repeated for credit unlimited times.

PATH 204A. Experimental Pathology Research Seminar. 1 Unit.

Seminar series for graduate students in Experimental Pathology. Students attend seminars and, beginning in their third year of graduate study, present one formal seminar on their graduate research.

Grading Option: Satisfactory/unsatisfactory only.

Repeatability: May be repeated for credit unlimited times.

PATH 204B. Experimental Pathology Research Seminar. 1 Unit.

Seminar series for graduate students in Experimental Pathology. Students attend seminars and, beginning in their third year of graduate study, present one formal seminar on their graduate research.

Grading Option: Satisfactory/unsatisfactory only.

Repeatability: May be repeated for credit unlimited times.

PATH 204C. Experimental Pathology Research Seminar. 1 Unit.

Seminar series for graduate students in Experimental Pathology. Students attend seminars and, beginning in their third year of graduate study, present one formal seminar on their graduate research.

Grading Option: Satisfactory/unsatisfactory only.

Repeatability: May be repeated for credit unlimited times.

PATH 221. Immunopathogenic Mechanisms of Disease. 3 Units.

Examination of the mechanisms underlying disease states mediated by immune dysregulation including mechanisms of immune evasion by cancer, diseases mediated by cytokine dysregulation, role of the microbiome of the GI tract and of other disease sites, and adoptive T-cell (CAR-T-cells).

Corequisite: Recommended: M&MG 215.

Prerequisite: M&MG 215. Recommended: M&MG 215.

Same as M&MG 221.

Restriction: Graduate students only. Campus Honors Collegium students and juniors and seniors may audit.

PATH 225. Molecular Mechanisms of Human Disease. 3 Units.

Provides an overview of the molecular mechanisms of human diseases, including neurologic, hematologic, neoplastic, and infectious diseases. Students gain an understanding of these mechanisms, as well as models of human diseases.

Same as M&MG 225.

PATH 227. Experimental Pathology Journal Club. 1 Unit.

Graduate-level course, which is open to all years, will involve the reading and discussion of papers, preferably written by the invited seminar speaker. Discussions will cover advanced topics in experimental pathology as related to an understanding of human disease.

Corequisite: PATH 204A and PATH 204B and PATH 204C

Grading Option: Satisfactory/unsatisfactory only.

Repeatability: May be repeated for credit unlimited times.

PATH 240. Neuropathology. 3 Units.

Covers genetic and molecular mechanisms of neurological diseases. A grounding in neuroanatomy and prior or simultaneous enrollment in Anatomy 210A or the equivalent is strongly recommended. Resident physicians and clinical fellows can audit the course.

Repeatability: May be repeated for credit unlimited times.

Restriction: Graduate students only.

PATH 292A. Scientific Communication. 2 Units.

Small group meetings for graduate students to practice scientific writing, debate, and presentation skills.

Grading Option: Satisfactory/unsatisfactory only.

Repeatability: May be repeated for credit unlimited times.

PATH 292B. Scientific Communication. 2 Units.

Small group meetings for graduate students to practice scientific writing, debate, and presentation skills.

Grading Option: Satisfactory/unsatisfactory only.

Repeatability: May be repeated for credit unlimited times.

PATH 292C. Scientific Communication. 2 Units.

Small group meetings for graduate students to practice scientific writing, debate, and presentation skills.

Grading Option: Satisfactory/unsatisfactory only.

Repeatability: May be repeated for credit unlimited times.

PATH 299. Dissertation in Experimental Pathology. 1-12 Units.

Provided for the preparation and completion of the dissertation required for the Ph.D. degree.

Repeatability: May be repeated for credit unlimited times.