

Pathology & Lab Medicine (PATH)

Course information contained within the Bulletin is accurate at the time of publication in July 2024 but is subject to change. For the most up-to-date course information, please refer to the Course Catalog.

PATH M195. Interp Clin Lab Tests. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M201. Hematopathology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M202. Endocrine Pathology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M203. Neuropathology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M204. Clinical Cytogenetics. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M205. Cytopathology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M206. Liver & Kidney Pathology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M207. Renal Path Elec. Micro. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M208. Oral Pathology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M209. Gyn Pathology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M211. Clin Micro/Imm/Vir. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M213. Blood Bank. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M215. Clinical Coagulation. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M219. Cardiac Pathology. 0 Credit Hours.

Students will participate in the diagnosis of the preceptor's current cases, review material from the files of the department or preceptor, and discuss with the preceptor his/her clinical research. The goals are to (1) increase the student's knowledge in the area of expertise of the preceptor and (2) show the student how the practicing pathologist or laboratory scientist contributes to the evaluation of clinical problems.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M221. Dermopathology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M223. GI and Liver Pathology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M225. Immunogen & Flow Cytom. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M227. Lab Hem & Surg Pathology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M228. Lung Pathology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M229. Surgical Pathology. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M230. Soph. Elect in Path.. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M231. Interpr Clin Lab Tests. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M232. Head/Neck Pathology Preceptorship. 0 Credit Hours.

This course targets MS1 and MS2 students who show an independent interest in head and neck pathology. Students will sit with a Head and Neck pathologist, reviewing concepts and cases from the arrival of the specimen in the gross room to sign out. Participation in weekly Head and Neck multidisciplinary conference is encouraged. The student is asked to participate in an independent head and neck pathology research project during the course of the preceptorship.

Repeatability: This course may be repeated for additional credit.

PATH M233. Molecular Pathology and Immunogenetics Preceptorship. 0 Credit Hours.

This course targets MS1 and MS2 students to facilitate early integration of basic science and clinical testing principles, by incorporating pathology competencies for medical education to promote life-long learning and understanding of medical practice. Students participate in case studies, transplant patient conferences and articles, learn HLA testing procedures, and Quality Management. The students also get an opportunity to see how transplant patients are evaluated for a lifesaving transplant. The students learn to use molecular techniques to interrogate disease processes. Using current or retrospective cases, the students learn the principles of a variety of assays used for oncology, genetics, and infectious diseases. They participate in clinical genomics data interpretation and learn emerging applications in the field of molecular pathology.

Repeatability: This course may be repeated for additional credit.

PATH M234. Neoplastic and Non-neoplastic Pulmonary Pathology Preceptorship. 0 Credit Hours.

This course targets MS1 and MS2 students to facilitate early integration of basic science principles and incorporates pathology competencies for medical education to promote life-long learning and understanding of the principles of medical practice. Students participate in the diagnosis of the preceptor's current cases, review material from the files of the department or preceptor, and discuss with the preceptor his/her clinical research. During this course, the students also get a first-hand opportunity to see real-time tissue specimens for both gross and histopathologic examination and follow the case till sign out with final results and the impact on management.

Repeatability: This course may be repeated for additional credit.

PATH M235. Clinical Chemistry. 0 Credit Hours.

Course Attributes: M5

Repeatability: This course may not be repeated for additional credits.

PATH M300. Pathology Elective. 0 Credit Hours.

This course will enable students to develop a basic understanding of the fund of knowledge and types of medical problems seen in this specialty; to develop a basic understanding of the medical decision making process involved in the practice; and to develop an understanding of and practice of medical interpersonal communication and professionalism.

Repeatability: This course may be repeated for additional credit.

PATH M358. Career Exploration of General Pathology. 0 Credit Hours.

This elective will allow students to gain exposure to the specialty and the types of health conditions experienced by patients seen by providers in this specialty as healthcare team members.

Repeatability: This course may be repeated for additional credit.

PATH M365. Principles of Cytopathology. 0 Credit Hours.

This course will enable students to develop a basic understanding of the fund of knowledge and types of medical problems seen in this specialty; to develop a basic understanding of the medical decision making process involved in the practice; and to develop an understanding of and practice of medical interpersonal communication and professionalism.

Repeatability: This course may be repeated for additional credit.

PATH M371. Principles of Transfusion Medicine. 0 Credit Hours.

This course will enable students to develop a basic understanding of the fund of knowledge and types of medical problems seen in this specialty; to develop a basic understanding of the medical decision making process involved in the practice; and to develop an understanding of and practice of medical interpersonal communication and professionalism.

Repeatability: This course may be repeated for additional credit.

PATH M658. Pathology. 0 Credit Hours.

In this clinical rotation, the student will be integrated into the laboratory hematology service through the daily assessment of patient material received in the laboratory. Students will gain knowledge of specimen accession, morphological and automated hematology, coagulation, automated chemistry testing, special immunochemistry and protein electrophoresis, transfusion service, and microbiology work-up of anemia and leukemia, including evaluation of peripheral smear, bone marrow aspirate, and biopsy together with flow cytometry.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

Pre-requisites: Minimum grade of P in INTM M301, OBGY M320, PEDI M330, PSYM M340, SURG M350, NEUR M370, and FAMP M360.

PATH M660. Surgical Pathology. 0 Credit Hours.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

PATH M661. Molecular Pathology. 0 Credit Hours.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

PATH M662. Renal Pathology. 0 Credit Hours.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

PATH M665. Cytopathology. 0 Credit Hours.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

PATH M971. Transfusion Medicine. 0 Credit Hours.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

PATH M972. Histocompatibility. 0 Credit Hours.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

PATH M973. Hematopathology. 0 Credit Hours.

This clinical elective provides students the opportunity to participate in the laboratory hematology service through the daily assessment of patient specimens received in the laboratory. Students will gain knowledge of laboratory work-up for anemia and leukemia, including evaluation of peripheral smear, bone marrow aspirate, and biopsy together with flow cytometry. The special procedures used to evaluate the coagulopathies will also be taught.

Course Attributes: M2

Repeatability: This course may not be repeated for additional credits.

Pre-requisites: Minimum grade of P in INTM M301, OBGY M320, PEDI M330, PSYM M340, SURG M350, NEUR M370, and FAMP M360.