CYTOTECHNOLOGY (CYTO)

CYTO 701 INTRO TO CYTOTECHNOLOGY AND CYTOPREPARATION 1 Credit Hour
This two week course presents the goals of cytotechnology and the science of cytology. Students will learn the principles of microscopy and cytopreparation.
Prerequisite: Enrollment in the Cyotechnology Program or permission of the instructor.
Cross List: CYTO 801.
Typically Offered: FALL/SP/SU

CYTO 702 CYTOLOGY OF THE FEMALE GENITAL TRACT 5 Credit Hours
This course provides training necessary for the microscopic interpretation of Pap smears. This includes basic cell structure, cellular biology, and the mechanism of pathologic change. Students will learn to distinguish normal from abnormal cells and grade the severity of the abnormality present. The student will obtain skills to identify infectious agents and non-neoplastic conditions of the female genital tract.
Prerequisite: Enrollment in Cytotechnology Program or instructor permission.
Cross List: CYTO 802.
Typically Offered: FALL

CYTO 703 CYTOLOGY OF THE RESPIRATORY TRACT 2 Credit Hours
This three-week course includes the study of respiratory epithelial and inflammatory cells from sputum, bronchial washing, bronchial brushing, bronchoalveolar lavage and fine needle aspiration specimens of the lung. The student will obtain skills to identify normal, infectious, non-neoplastic non-infectious, and malignant conditions of the lung.
Prerequisite: Enrollment in Cytotechnology Program or instructor permission.
Cross List: CYTO 803.
Typically Offered: FALL/SP/SU

CYTO 704 CYTOLOGY OF THE URINARY TRACT 1 Credit Hour
This two week course will present the cytology of benign conditions, inflammatory disorders, infections, malignancies and therapeutic effects as seen in the urinary tract. An overview of the cytology of combined kidney/pancreas transplantation will be provided and students will learn to identify graft rejection in this patient population by the cytologic study of recipient's urine.
Prerequisite: Enrollment in Cytotechnology Program or instructor permission.
Cross List: CYTO 804.
Typically Offered: FALL/SP/SU

CYTO 705 CYTOLOGY OF BODY FLUIDS AND CEREBROSPINAL FLUID 1 Credit Hour
This two week course presents the morphologic evaluation of cerebrospinal fluid and pleural, peritoneal, pericardial, and pelvic washing fluids. Students will learn to identify normal cells, infectious diseases, benign conditions, primary malignancies, and metastatic malignancies found in these sites.
Prerequisite: Enrollment in Cytotechnology Program or instructor permission.
Cross List: CYTO 805.
Typically Offered: FALL/SP/SU

CYTO 710 CYTOLOGY AND THE GASTROINTESTINAL TRACT 1 Credit Hour
During this two-week course the cytologic morphology of scrapings, brushing and washings from the oral cavity, esophagus, stomach, duodenum, colon, and rectum will be studied. The students will obtain skills to identify normal cells, non-cellular material, infections, benign conditions, and malignancies of the gastrointestinal tract.
Prerequisite: Enrollment in Cytotechnology Program or instructor permission.
Cross List: CYTO 810.
Typically Offered: FALL/SP/SU

CYTO 711 FINE NEEDLE ASPIRATION CYTOLOGY 7 Credit Hours
Fine Needle Aspiration (FNA) is a method of collection for obtaining a cellular specimen. Any anatomic body site can be examined by FNA. During this six week course, the student will obtain skills to interpret samples obtained from the breast, thyroid, salivary gland, lymph nodes, soft tissue, bone, mediastinum, liver, pancreas, kidney, adrenal gland, and brain. Students will have the opportunity to assist physicians in obtaining FNAs in the outpatient clinic setting.
Prerequisite: Enrollment in the Cytotechnology Program or instructor permission.
Cross List: CYTO 811.
Typically Offered: SPRING

CYTO 713 CYTOLOGY LABORATORY MANAGEMENT 2 Credit Hours
This one week course will introduce students to the activities required for the management of a cytopathology laboratory. Of particular emphasis will be the compliance with federal and accrediting agency mandates. This includes quality control, quality assurance, proficiency testing, procedure manuals, statistics, workload, and accreditation. Other topics discussed will be personnel issues, financial management, inventory, and basic principles of clinical investigation.
Prerequisite: Enrollment in Cytotechnology Program or instructor permission.
Cross List: CYTO 813.
Typically Offered: SPRING

CYTO 714 CYTOLOGY CLINICAL PRACTICUM 4-10 Credit Hours
This course of twenty-one weeks gives students an actual experience in cytology laboratories and other selected pathology laboratory sections. Students will receive slides each day to screen, as well as performing the necessary processing procedures in the cytopreparation laboratory. Glass slide proficiency tests, journal reviews and a research project will be completed during this course.
Prerequisite: Enrollment in Cytotechnology Program, CYTO 701, CYTO 802, CYTO 703, CYTO 704, CYTO 705, CYTO 710, CYTO 711, CYTO 712, CYTO 713, PAMM 690.
Typically Offered: SUM/SPRING

CYTO 801 INTRO TO CYTOTECHNOLOGY AND CYTOPREPARATION 1 Credit Hour
This two week course presents the goals of cytotechnology and the science of cytology. Students will learn the principles of microscopy and cytopreparation.
Prerequisite: Enrollment in the Cytotechnology Program or permission of the instructor.
Cross List: CYTO 701.
Typically Offered: FALL/SP/SU
CYTO 802 CYTOLOGY OF THE FEMALE GENITAL TRACT 5 Credit Hours
This course provides training necessary for the microscopic interpretation of Pap smears. This includes basic cell structure, cellular biology, and the mechanism of pathologic change. Students will learn to distinguish normal from abnormal cells and grade the severity of the abnormality present. The student will obtain skills to identify infectious agents and non-neoplastic conditions of the female genital tract. Prerequisite: Enrollment in Cytotechnology Program or instructor permission. Cross List: CYTO 702. Typically Offered: FALL

CYTO 803 CYTOLOGY OF THE RESPIRATORY TRACT 2 Credit Hours
This three-week course includes the study of respiratory epithelial and inflammatory cells from sputum, bronchial washing, bronchial brushing, bronchoalveolar lavage and fine needle aspiration specimens of the lung. The student will obtain skills to identify normal, infectious, non-neoplastic non-infectious, and malignant conditions of the lung. Prerequisite: Enrollment in Cytotechnology Program or instructor permission. Cross List: CYTO 703. Typically Offered: FALL/SP/SU

CYTO 804 CYTOLOGY OF THE URINARY TRACT 1 Credit Hour
This two week course will present the cytology of benign conditions, inflammatory disorders, infections, malignancies and therapeutic effects as seen in the urinary tract. An overview of the cytology of combined kidney/pancreas transplantation will be provided and students will learn to identify graft rejection in this patient population by the cytologic study of recipient’s urine. Prerequisite: Enrollment in Cytotechnology Program or instructor permission. Cross List: CYTO 704. Typically Offered: FALL/SP/SU

CYTO 805 CYTOLOGY OF BODY FLUIDS AND CEREBROSPINAL FLUID 1 Credit Hour
This two week course presents the morphologic evaluation of cerebrospinal fluid and pleural, peritoneal, pericardial, and pelvic washing fluids. Students will learn to identify normal cells, infectious diseases, benign conditions, primary malignancies, and metastatic malignancies found in these sites. Prerequisite: Enrollment in Cytotechnology Program or instructor permission. Cross List: CYTO 705. Typically Offered: FALL/SP/SU

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CYTO 813 CYTOLOGY LABORATORY MANAGEMENT 2 Credit Hours
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