

## **Neoplasia (PATHO 710)**

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### **Course Description:**

In this course, students learn and understand the following topics: basic components of different neoplastic diseases and general pathology of neoplasia; mechanisms of metastasis, oncogenes, tumor suppressor genes, and telomerase; AIDS related malignancies; signaling pathways in cancer; DNA and RNA tumor viruses; apoptosis and cancer; stem cells and cancer; HPV vaccines; cancer epidemiology and chemoprevention; environmental carcinogenesis; and animal models in cancer research and cancer chemotherapy.

A minimum of 4 students is required to conduct this course.