

2200 Frontiers in Medicine

Course: Neoplasia and Neoplastic Disease Course Number: FIM-2203

**Primary Course Director:**

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**Period Offered: 8**

**Max # of Students: 35**

**Are books required for this course? No**

**Book 1**

**Title:** \_\_\_\_\_

**Author:** \_\_\_\_\_

**ISBN:** \_\_\_\_\_

**Overview of Course:**

This course emphasizes emerging paradigms in which basic science has had a significant impact on clinic decisions. Surgical oncology, radiation oncology, pathology, genetics and radiology will highlight their role in cancer management. Students will learn about existing and emerging therapies in cancer, precision medicine, application of artificial intelligence in cancer diagnosis and clinical decision making, cancer-related genetics and genomics, nutrition, palliative care, integrative oncology and cancer survivorship. Students will work on clinical questions and retrieve high-quality evidence to advance patient care, understand the history of cancer research and therapeutics and enhance their interpersonal and communication skills.

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<b>Section:</b>	<b>Description:</b>
<b>2203-01 Cancer concepts</b>	Understand the concept of a multidisciplinary team in cancer management by attending cancer center tumor boards and by participating in student-led mock tumor boards.
<b>2203-02 Cancer research and therapies</b>	a). Understand the history of cancer research and therapeutics through lectures and an assigned cancer biography documentary viewing and weekly book club discussion. b). Learn the common indications and complications of procedures performed in the setting of neoplasia including chemotherapy, biological therapy, surgery and radiation therapy through lectures and interactive sessions.
<b>2203-03 Cancer EBM</b>	Work on critically appraised topics and retrieve high-quality evidence to answer issues important in the care of cancer patients.
<b>2203-04 Cancer patient care</b>	a). Understand the integration of basic and clinical research and its direct impact on patient care. b). Understand the concept of personalized medicine and targeted cancer therapeutics through lectures and interactive sessions. c). Understand the role of wellness and complementary medicine practices in cancer through interactive sessions
<b>2203-05 Cancer group basics</b>	Enhance interpersonal and communication skills by effectively communicating and working in a group on assigned projects with colleagues and through their interaction with survivor patients.

### III. **Methods of Instruction:**

- A. Didactic
- B. Clinical
- C. Simulations
- D. Group Discussions/Student Presentations

### IV. **Method of evaluation of students and requirements:** Evaluation based on assessment methods listed above, grade is Pass/Fail