

2200 Frontiers in Medicine

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

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Period Offered (Block 8 or Block 10): Block 8

Max # of Students: 35

Are books required for this course? No

Video viewing is required and resources will be provided as part of a book club discussion.

Overview of Course: (Details of what a typical week in this course entails)

This is a four-week course delivered in a mostly virtual format with certain interactive in-person sessions. During FIM students will learn about general cancer topics with a variety of specialties including surgical oncology, medical oncology, radiation oncology, pathology, genetics, palliative care, 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, and cancer survivorship.

Objective Name:	Objective Description:	Educational Program Objective(s): i.e. EPO 2.01, EPO 2.02 Select from list in link
2203-01 Cancer concepts	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.	3.02 Work effectively in teams, including interprofessional teams. 6.02 Demonstrate an understanding of the importance of health care teams, transitions of care between teams, and the features of highly effective teamwork and team communication.

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2203-02 Cancer research and therapies	<p>a). Understand the history of cancer research and therapeutics through lectures and an assigned cancer biography documentary viewing and weekly book club discussion.</p> <p>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.</p>	<p>2.01 Apply knowledge of normal human structure and function and of the pathophysiology that underlies their disruption.</p> <p>2.02 Interpret and apply results of the patient history, physical exam, diagnostic tests, imaging, screening procedures, and epidemiological data.</p>
2203-03 Cancer EBM	<p>Work on critically appraised topics and retrieve high-quality evidence to answer issues important in the care of cancer patients.</p>	<p>5.02 Apply the ability to access and critically read, understand, and interpret medical literature, and assess its relevance to patient care.</p>
2203-04 Cancer patient care	<p>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 and a field trip to Moncrief Cancer Institute in Fort Worth.</p>	<p>2.02 Interpret and apply results of the patient history, physical exam, diagnostic tests, imaging, screening procedures, and epidemiological data.</p> <p>5.02 Apply the ability to access and critically read, understand, and interpret medical literature, and assess its relevance to patient care.</p> <p>6.02 Demonstrate an understanding of the importance of health care teams, transitions of care between teams, and the features of highly effective teamwork and team communication.</p>
2203-05 Cancer group basics	<p>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.</p>	<p>3.01 Communicate effectively and professionally through oral and written means.</p> <p>3.02 Work effectively in teams, including interprofessional teams.</p> <p>3.04 Communicate effectively, respectfully, and compassionately with patients and families, maintaining patient privacy and autonomy.</p>

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Methods of Instruction:

- A. Didactics
- B. Clinical
- C. Simulations
- D. Group Discussions/Student Presentations
- E. Other (please specify)

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