

# **Cancer Biology and CSBL6075**

## **Cancer Biology Enrichment**

**Fall and 2017**

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**CLASS DAYS and TIME:** Mondays, Wednesdays and Fridays 3:00 – 5:00 PM

**CLASSROOM:** TBD

**COURSE FACULTY:** Alexander Bishop

**OFFICE LOCATION and HOURS:** By appointment; GCCRI 3.100.14

**EMAIL:** bishop@uthscsa.edu

**TELEPHONE:** 2-9060

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**READ THIS DOCUMENT CAREFULLY - YOU ARE RESPONSIBLE FOR ITS CONTENTS.**

### **COURSE DESCRIPTION AND OBJECTIVES**

This course is a series of enrichment presentations to the students, either in lecture format, visit to labs or attendance of a conference. The goal is to give secondary reinforcements of the didactic components of the core courses on cancer biology. Required for Cancer Biology Discipline.

Students will be exposed to a variety of topics that do not come under the typical heading of a molecular or clinical cancer syllabus. These are aimed at being more practical in nature, such that they broaden the student's perspective and show how the abstract learnings in Cancer Cores 1 and 2 can be applied in more practical terms. Student should have a clearer understanding of clinical application of cancer treatment and how these concerns impact patients. Further, student will have a clearer understanding of how bench side cancer research interfaces with clinical application.

**Pre-requisites** – None

**Semester credit hours** – 0.5 sch

By the end of this course, each student should be able to:

- Discuss the interface between bench research and clinical implementation in cancer treatment

### **COURSE ORGANIZATION**

**The main teaching modalities used in this course include:**

- 1) Conventional didactic lectures in which information is delivered to the class
- 2) Attending a conference
- 3) Interactive site visits

**Materials** – presentations are given in the common lecture format or tours of facilities as appropriate.

**Computer Access** – Various materials and assignments will require access to a computer with internet capabilities and the use of LMS (CANVAS)

**Reading Assignments** – There may be specific reviews assigned by the lecturers and available to the students via Canvas.

## **ATTENDANCE**

In order to achieve the expected level of competency, students must be fully engaged. Therefore, attendance for every class session is expected.

It is recognized that a student may occasionally arrive late to class due to unexpected traffic problems or inclement weather. However, chronic lateness is considered an unprofessional behavior that disrupts the learning environment for everyone else in the classroom.

Please discuss all planned absences directly with Dr. Bishop in advance and call him to explain unplanned absences. Make up work will be required and determined on a case-by-case basis.

## **TEXTBOOKS**

**Required:** Not applicable

**Recommended:** To be provided by each lecturer via Canvas

## **GRADING POLICIES AND EXAMINATION PROCEDURES**

### **Grading System**

Testable material comes from lecture presentations and attending the San Antonio Breast Cancer Symposium.

A = 90-100% B = 75-89% C = 65-74% F = < 65%

**Note:** Fractions of grades are rounded to the nearest whole number for your final course grade. For example, 89.45 is an A, but 89.44 is a B, or 74.45 is a B, but 74.44 is a C.

A letter grade will be provided based on writing a 1 page essay on how you see the interface between bench science and its practical implementation (90%), report on attendance to SABCS (5%) and participation in a class survey (5%).

**Examination Protocol** – Take home assignment.

**Late Arrival to Exams** - Not applicable.

**Grading Procedures** – Exam results will be provided to students as quickly as possible. No “challenges” are allowed. However, a time will be scheduled outside of class so that students may review concepts of concern to them.

**Make-up Examinations** – A student who must miss a scheduled assignment deadline must request an excused absence from the Course Director. Acceptable “serious reasons” usually involve serious illness or injury to the student (doctor’s excuse may be required) or the student’s family member. Examples of unacceptable reasons include: Not prepared or incomplete studying, over-sleeping, hangover, heavy traffic or any travel delays, other appointments or scheduled professional or personal commitments. If it is determined that missing an assignment is justified, a make-up assignment will be scheduled. The make-up assignment will be given as soon as possible at a time designated by the Course Director. Any student who misses an assignment and does not receive an excused absence **will receive a grade of zero for that assignment.**

## REQUESTS FOR ACCOMODATIONS FOR DISABILITIES

In accordance with policy 4.2.3, **Request for Accommodation Under the ADA and the ADA Amendments Act of 2008 (ADAAA)**, any student requesting accommodation must submit the appropriate request for accommodation under the American with Disabilities Act (ADA, form 100). to his/her appropriate Associate Dean of their School and a copy to the ADA Coordinator. Additional information may be obtained at <http://uthscsa.edu/eeo/request.asp>.

## ACADEMIC INTEGRITY AND PROFESSIONALISM

Any student who commits an act of academic dishonesty is subject to discipline as prescribed by the UT System Rules and Regulations of the Board of Regents. Academic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an exam for another person, signing attendance sheets for another student, and any act designed to give unfair advantage to a student or the attempt to commit such an act. Additional information may be obtained at <http://catalog.uthscsa.edu/generalinformation/generalacademicpolicies/academicdishonestypolicy/>

## TITLE IX AT UTHSCSA

### Title IX Defined:

Title of the Education Amendments of 1972 is a federal law that prohibits sex discrimination in education. It reads “no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.”

### University of Texas Health Science Center San Antonio’s Commitment:

University of Texas Health Science Center San Antonio (UTHSCSA) is committed to maintaining a learning environment that is free from discriminatory conduct based on gender. As required by Title IX, UTHSCSA does not discriminate on the basis of sex in its education programs and activities, and it encourages any student, faculty, or staff member who thinks that he or she has been subjected to sex discrimination, sexual harassment (including sexual violence) or sexual misconduct to immediately report the incident to the Title IX Director.

In an emergency, victims of sexual abuse should call 911. For non-emergencies, they may contact UPD at 210-567-2800. Additional information may be obtained at <http://students.uthscsa.edu/titleix/>

## EMAIL POLICY

Every student is issued a University e-mail address and account at the time of enrollment. As a matter of University Policy, communications between students and faculty that occur using the student’s University e-mail address is considered official business. Therefore, **students are expected to check their university email inboxes on a regular basis** so that any announcements, instructions, or information regarding this course will be received in a timely way. Missed communications due to inadequate monitoring of incoming emails on the University’s email server will never be a valid excuse for unsatisfactory academic progress.

## USE OF RECORDING DEVICES

Recording of lectures and other learning activities in this course by any means (*e.g.*, video, audio, etc.) is only permitted if approved by the instructor or required for compliance with Americans with Disabilities Act (ADA).

## ELECTRONIC DEVICES

Cell phones must be turned off during all class meetings and exams. Computers and electronic tablets are allowed only for participating in classroom activities (*e.g.*, viewing slides presented in lecture or conference materials). No texting, tweeting, emailing, web-surfing, gaming, or any use of electronic devices that is not directly connected with classroom activities is permitted.

**TENTATIVE CLASS SCHEDULE**  
**Cancer Biology and CSBL6075**  
**Cancer Biology Enrichment**

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| <b>WEEK</b>   | <b>DATE</b> | <b>TOPIC</b>   | <b>Assignment</b>            | <b>Instructor and Modality</b> |
|---------------|-------------|--|------------------------------|--------------------------------|
|               | 8/30/17     | Anatomical considerations in cancer treatment  | <b>Supplemental material</b> | TBD                            |
|               | 9/11/17     | Surgery, a major component of cancer treatment   | <b>Supplemental material</b> | TBD                            |
| <b>Week 3</b> | 9/22/17     | Developing mouse model avatars, PDX models in cancer treatment   | <b>Supplemental material</b> | Peter Houghton?                |
| <b>Week 6</b> | 10/27/17    | Precision medicine in action   | <b>Supplemental material</b> | START Center                   |
| <b>Week 7</b> | 11/3/17     | Federal regulation, how government influences science  | <b>Supplemental material</b> | Greg Aune                      |
| <b>Week 9</b> | 11/17/17    | How radiation is used clinically to treat cancer   | <b>Supplemental material</b> | Richard Crownover              |
|               | 12/5/17     | Attending one session of San Antonio Breast Cancer Symposium, reporting which lectures attended and what was interesting about them. | <b>Supplemental material</b> |                                |
|               | 12/15/17    | Hand in paper  |                              |                                |