Introduction to Healthcare Topics  
(BE T 197; Section 001; Schedule # - 531262; 2 credits)  

(Wednesday 2 hr lecture [4:00 – 6:00 pm])  
Lecture in Penn State College of Medicine Lecture Rooms A, B, and D

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Program Objectives:  
This college credit course for advanced high school students and college freshmen is intended to provide an introduction to healthcare topics. For the year of 2010, the course will provide an overview of the biological and clinical bases of cancer. Core concepts such as DNA replication, genetic translation and transcription, and oncogenesis will be covered. Clinical aspects
including cancer etiology, pathogenesis, and tumor suppression will be integrated into the curriculum to provide the students with a general understanding of how basic science concepts translate into clinical medicine. The course will include nine lectures taught by Penn State College of Medicine students and three Problem-Based Learning (PBL) cases completed over a span of nine weeks in small groups of six students and one facilitator each. Additionally, the students will participate in a number of interactive sessions throughout the year. Examples include a histology laboratory with the use of light microscopes, a simulation case with an emphasis on obtaining vital signs and a focused patient history, a surgical techniques video session, or a dissection laboratory. There will be two career panels with physicians, researchers, and medical students from the Milton S. Hershey Medical Center and College of Medicine. Students will also have the option to attend a “skills night” with hands-on workshops provided by various medical student groups or shadow healthcare workers from the Hershey Medical Center during the spring semester. By the end of the course, students will be able to combine their knowledge of basic science to the pathophysiology of several medical conditions and discuss their clinical courses. After 10 weeks of the course, students will be divided into groups in order to prepare 10 minute formal presentations on a disease of choice that is related to the course topic. The presentation will be evaluated by peers, medical students, and a professor. Students will be expected to turn in a report on their chosen topic for grading.

**Program Requirements:**
Schedule: 1 hour of lecture and 1 hour of PBL each week

Transportation: Students must be able to transport to the Penn State Milton S. Hershey College of Medicine each week for 13 weeks.

For Directions: [http://www.pennstatehershey.org/web/guest/home/aboutus/mapsdirections](http://www.pennstatehershey.org/web/guest/home/aboutus/mapsdirections)

Grading: Grading will be based on class participation (60%, including active participation in Problem-Based Learning small group sessions), and the final presentation and report (40%).

**Class Size Limit:** 50 Total (10 college freshmen for credit, 10 high school students for credit, and 30 students not-for-credit)

**Course Prerequisites:** Advanced Biology
### INTRODUCTION TO HEALTHCARE TOPICS

**Wednesdays (Lecture and PBL sessions) – 4:00 to 6:00 pm**

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<td>9/15/2010</td>
<td>Lecture Room A</td>
<td>Course Introduction</td>
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<td>Lecture 1: What is cancer/Overview of the semester</td>
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<td>Start PBL case I</td>
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<td>9/22/2010</td>
<td>Lecture Room A</td>
<td>Lecture 2: Normal Cell Biology</td>
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<td>Continue PBL case I</td>
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<td>9/29/2010</td>
<td>Lecture Room A</td>
<td>Lecture 3: Pathogenesis of Cancer</td>
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<td>Complete PBL case I</td>
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<td>10/6/2010</td>
<td>Lecture Room A</td>
<td>Interactive Day: Histology</td>
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<td>10/13/2010</td>
<td>Lecture Room A</td>
<td>Lecture 4: Intro to Immunology</td>
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<td>Start PBL case II</td>
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<td>10/20/2010</td>
<td>Lecture Room A</td>
<td>Lecture 5: Blood Composition</td>
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<td>Continue PBL case II</td>
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<td>Lecture Room A</td>
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<td>Complete PBL case II</td>
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<td>11/3/2010</td>
<td>Lecture Room A</td>
<td>Interactive Day: Invite a Patient/Faculty</td>
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<td>Career Panel #1</td>
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<td>11/10/2010</td>
<td>Lecture Room A</td>
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<td>Start PBL case III</td>
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<td>Lecture Room B</td>
<td>Final Presentation Guidelines</td>
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<td>Lecture 8: Treatment &amp; Prevention</td>
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<td>Continue PBL case III</td>
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<td>11/24/2010</td>
<td><strong>NO CLASS – THANKSGIVING BREAK</strong></td>
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<td>12/1/2010</td>
<td>Lecture Room A</td>
<td>Lecture 9: Social Influences of Cancer</td>
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<td>Complete PBL case III</td>
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<td>12/8/2010</td>
<td>Lecture Room A</td>
<td>Career Panel #2</td>
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<td>Final Presentation Preparation: time to work in groups</td>
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<td>12/15/2010</td>
<td>Lecture Room D</td>
<td>Final Student Presentations</td>
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<td><strong>TBD</strong></td>
<td>Optional: “Skills Night”</td>
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<td><strong>University Conference Center</strong></td>
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<td><strong>Spring Semester</strong></td>
<td>Optional: physician shadowing experience</td>
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<td><strong>Milton S. Hershey Medical Center</strong></td>
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Admission Process:

Students/High Schools must submit the following information to:
Ms. Katina Moten, Division of Undergraduate Studies, Penn State Harrisburg, 777 W. Harrisburg Pike, Middletown, PA 17057

1. Attached high school dual enrollment application by May 15
2. Current, official high school transcript
3. SAT, ACT, or PSAT scores
4. Letter or recommendation from high school guidance counselor or principal supporting student’s enrollment at Penn State.

Course Registration

Following admission, the student will be contacted by an academic adviser at Penn State Harrisburg, who will assist the student in course scheduling. The student will also be provided with a Dual Enrollment Student Handbook, technology access account, and Penn State ID Card.

Cost of the Program:

Tuition and Fees based upon the current 2009-2010 rates:

$498.00  Tuition for a 2 credit course (represents 50% PSU discount for high school students)
$ 78.00  Information Technology Fee (for less than 5 credits)
$ 31.00  Facilities Fee (for less than 5 credits)
$ 23.00  Student Activities Fee (for less than 5 credits)

$630.00  Total Cost
(After July 1, 2010, please consult the Bursar’s Office for the 2010 – 2011 tuition and fees)

Tuition Discounts/Payment

1. If student attends a high school, which receives grant funding via the Pennsylvania dual enrollment grant program, the high school may support the remaining balance of tuition charges. Students should discuss this opportunity with their high school guidance counselors.
2. If student is a dependent of an employee of the Pennsylvania State University or Hershey Medical Center the student is eligible for a 75% tuition discount through the University’s Dependent Grant In Aid Program. The parent/guardian must request, complete, and return the Authorization for Dependent Grant-in-Aid Form to the Human Resources Office at the campus of employment. Students, who receive employee dependent grant in aid funds, will be billed 25% of tuition costs.
3. Students not participating through their high school’s Dual Enrollment grant program or the PSU Dependent Grant in Aid Fund are responsible for tuition, fees and books.
Billing

Information regarding the payment of tuition expenses will be provided in the Dual Enrollment Handbook. Bills are submitted and confirmed through eLion, Penn State’s Web-based service that provides secure access to academic and financial records.

Confidentiality of Student Records

Students will be required to sign and submit a “Consent to Release Information to a Third Party Form” for grades, and/or other academic information to be forwarded to their high school.
High School Dual Enrollment Form

A student registering for the first time at Penn State as an undergraduate nondegree student must complete and return this form to Penn State Harrisburg’s Registrar’s Office in the Swatara Building. Enrollment as nondegree does not imply admission to the University. The student must make formal application to be considered for admission as an undergraduate degree student.

SECTION 1: Biographic Information

Last Name: ____________________________
First Name: __________________________
*Social Security Number: ____________________________
Gender: _____ Male _____ Female
Date of Birth: _________________________

Parent is employed by the Pennsylvania State University?   No______ Yes______

SECTION 2: Address Information

Home Address
Street 1: __________________________________________
Street 2: __________________________________________
City/State/Zip: ______________________________________
Home Phone Number: ______-_______-__________
Cell Phone Number: ______-________-____________
E-mail address: _____________________________________
Parent[s] e-mail address: _____________________________

Emergency Contact Information
Name: ____________________________________ Phone Number: ______-_______-__________

SECTION 3: Educational Background: Highest Level of Education (Check One)

____ Non-High School Graduate

____ Currently Enrolled in High School

High School Name: ________________________
Grade ______9th_________ 10th ______ 11th ______ 12th
High School is a participant in Pennsylvania’s dual enrollment grant. No____ Yes____
If yes, I have received approval from my high school counselor as a participant in the dual
enrollment grant program? No____ Yes____

____ Currently enrolled as a home-schooled high school student

Local school district is a participant in Pennsylvania’s dual enrollment grant program. No____ Yes____
If yes, I have received approval from my local school district as a participant in their dual
enrollment grant program? No____ Yes____

____ High School Graduate or GED Equivalency

Are you using this class to fulfill a high school required course for graduation? No_____ Yes____
If so, please explain________________________________________

Have you ever enrolled at Penn State?
____ No _____ Yes - Date of last enrollment: ______________________
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Are you currently in an academic drop status from Penn State or any other college or university previously enrolled?
_____ No _____ Yes

Are you currently dismissed or suspended from Penn State or any other college or university for disciplinary reasons?
_____ No _____ Yes

Have you ever been denied admission to Penn State?
_____ No _____ Yes

SECTION 4: Enrollment
Enrollment Request for (Check One):
_____ Spring _____ Summer _____ Fall _____ Year __________

SECTION 5: Residency Status
Are you a U.S. Citizen? _____ Yes _____ No - (If no, which of the following statements describes your citizenship status?)
_____ I am an immigrant (permanent resident) residing in Pennsylvania.
_____ I am an immigrant (permanent resident) residing in another U.S. state or territory.
_____ I have a nonimmigrant visa - specific type: ______________________

Are you a legal resident of the Commonwealth of Pennsylvania?
_____ Yes, but less than one year
_____ Yes, for more than one year
_____ No

SECTION 6: Ethnic Background
Federal law requires that institutions of higher education gather the following information regarding the ethnicity and race of their students and employees. Your individual information will be kept strictly confidential. The law only requires institutions to report aggregate totals for each category. Select the appropriate responses regarding your ethnicity and your race.

1. Is your ethnicity Hispanic/Latino-[Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin]?
   a. _____ Yes, Hispanic/Latino/a
   b. _____ No, not Hispanic/Latino/a

2. What is your race-[select one or more]:
   _____ White _____ Black or African American _____ American Indian or Alaska Native _____ Native Hawaiian/Pacific Islander

SECTION 7: Signature
I have completed all applicable sections of this form and I affirm accuracy of the information provided. Should there be any misinterpretation of the facts on this form, I understand this may be cause of refusal or cancellation of my enrollment.
Student Signature: ___________________________ Date: ________________

*The social security number (SSN) you provide for enrollment purposes, or when requesting specific services, will be used by the University to verify your identity for official record keeping and reporting. If you choose not to supply your SSN, certain services, such as transcripts, academic verification, tax reporting, financial aid and other services may not be available to you, and Penn State cannot guarantee a complete academic record for you. Your SSN will be stored in a central system and only used for official reporting and record keeping. It will not be used as a primary source to identify you within the Penn State system; the PSU ID will be used as the primary identifier.