

HGEN 6503: Cancer Genetics

Credit Hours: 3.0

Contact Information

Name	Position	Phone	Email
TBD			UUGPGC@utah.edu

Course Information

Brief Description of Course

This course is designed to enable the student to understand the fundamentals of cancer genetics and hereditary cancer syndromes prior to their clinical rotation, apply learned skills to practice cases, and provide a basis for improving critical thinking skills for cancer risk assessment. Students will be expected to review online lectures and complete lecture and reading assessments prior to class in addition to attending class and initiating discussions.

Course Objectives

Upon completion of this course, students will be able to demonstrate the following content knowledge:

1. Define carcinogenesis and interpret cancer epidemiology in the literature.
2. Describe cancer prevention, screening, and diagnosis strategies.
3. Identify useful websites for information about testing, management, and patient support and advocacy
4. Distinguish major cancer syndromes, causal genes, and associated lifetime cancer risks.
5. Review cancer-related personal and family history information and perform appropriate cancer risk assessments using patient-friendly language.
6. Interpret genetic test results based on a patient's personal and family cancer history.
7. Explain genetic tests and justify appropriate management protocols for hereditary cancer syndromes.
8. Recognize and respond to psychosocial issues specific to individuals and families with cancer predisposition syndromes.

The ACGC Practice-Based Competencies Addressed in this course:

- Genetics and Genomics Expertise
- Risk Assessment
- Counseling
- Communication
- Healthcare Systems
- Professional Identity

Course Format & Schedule

Timeline

One semester

Educational and Instructional Modalities

This course is a hybrid course held once a week for three hours. The online components may be completed at your own pace, the in person portion will be held every other week.

Role of the Student in this Course

Students will be expected to engage in a variety of learning activities including reading, viewing videos, sharing with peers, role plays, writing and creating educational presentations.



Required Textbooks/Readings

Primary articles will be assigned in class and will be available online. Optional supplemental readings, videos, and online resources will be available on Canvas.

Assessment & Grading

Evaluation Methods

Your final grade will be based upon attendance, online assignments and assessments, and a final. The final grade in this area will be based on improvement and openness to self-review, in addition to skill level. The final exam will be a combination of a multiple-choice examination and a simulated patient. **Students must earn at least B- to pass the course.**

Grading System

Students will receive a final letter grade. To pass this course you must achieve an overall score of at least 80% (a B- equivalent) as required by the Department of Human Genetics.

Grading Scale

A	95-100
A-	90-94
B+	86-89
B	82-85
B-	79 – 81
C+	76-78
C	73-75
C-	70-72
D+	67-69
D	64-66
D-	60-63
F	Below 60



Standard Policies

The Americans with Disabilities Act.

The University of Utah seeks to provide equal access to its programs, services, and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 801-581-5020. CDS will work with you and the instructor to make arrangements for accommodation. All written information in this course can be made available in an alternative format with prior notification to the Center for Disability Services.

Addressing Sexual Misconduct.

Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status or genetic information. If you or someone you know has been harassed or assaulted, you are encouraged to report it to the Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to the police, contact the Department of Public Safety, 801-585-2677 (COPS).

Campus Safety.

The University of Utah values the safety of all campus community members. To report suspicious activity, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit safeu.utah.edu.

Alternate Name and/or Personal Pronoun

Class rosters are provided to the instructor with the student's legal name as well as 'Preferred' first name (if previously entered by you in the Student Profile section of your CIS account). While CIS refers to this as merely a preference, we will honor you by referring to you with the name and pronoun that feels best for you in class, on papers, exams, group projects, etc. Please advise us of any name or pronoun changes (and please update CIS) so we can help create a learning environment in which you, your name, and your pronoun will be respected.

Current COVID-19 Campus Guidelines

COVID-19 Guidelines change rapidly. Please access the most current information COVID-19 Central @ The U. coronavirus.utah.edu