

Course Descriptions

**All courses and instructors are subject to change*

Week	Course	Grade
October 26-30	Clinical Anatomy	9-12
October 26-30	Pathology & Molecular Medicine	9-12
October 26-30	Writing Compelling Fiction	9-12

Clinical Anatomy

October 26-30 | Grade 9-12

Course Description

Have you ever considered a career in medicine, nursing, physical therapy or in the field of healthcare in general? Are you interested in the world of human health as it relates to the structure of the body? Welcome to clinical anatomy! Together, we will learn about anatomical systems and the fascinating ways in which they can malfunction. Through a variety of clinical cases, readings, lecture content, videos, and games, you will learn how anatomy plays a critical role in diagnoses and treatments. You will be taught by experienced anatomists at Queen's University to expand your understanding of human anatomy. Come explore your interests with like-minded peers and see where anatomy can take you!

Instructor Biography

Instructors for this course are graduate students studying and working in the Department of Biomedical Science at Queen's University. Many of them are currently completing their Master's degree in Anatomical Science at Queen's.

Pathology & Molecular Medicine

October 26-30 | Grade 9-12

Course Description

Have you ever wanted to solve your own diagnostic case or learn about your blood type? If yes, then this is the course for you! This course will provide you with a thorough introduction to the field of Pathology – the study of diseases and the structural and functional changes they cause. You will learn about genetics, cancer, neuropathology, and have the opportunity to discuss education and career options.

Instructor Biography

Dr. Mackenzie Bowman has been coordinating ESU courses since 2010, and holds a PhD in Pathology and Molecular Medicine. She is currently a Senior Scientist in the Clinical and Molecular Hemostasis Research Group at Queen's University. Instructors for this course are specially selected and supervised by Dr. Bowman.



Writing Compelling Fiction

October 26-30 | Grade 9-12

Course Description

You have imagination, passion, a love of stories, and you are great with words – so how do you take your writing to the next level? In this course, you will discover the secrets to writing stories that stir readers' emotions and take them on a page-turning and meaningful adventure. You will learn the essential elements of great plots as well as how to develop original story ideas, design memorable characters, hook your readers, and flesh out your hero or heroine's inner journey. Plus, short cuts for improving your writing style. Best of all... you will have the opportunity to interact with other young writers through online activities in which the stakes are low but the creativity is high.

Instructor Biography

Glen has been a freelance writer since 1999 and has been instructing with ESU since 2013. He is the author of the award-winning middle-grade novel, *Dancing on the Inside*, and currently teaches creative writing at St. Lawrence College in Kingston, Ontario.