EMC Course Descriptions
(Alphabetical by course title)
*All courses and instructors are subject to change

Clinical Anatomy

Course Description
Have you ever considered a career in healthcare? Are you interested in the structure of the human body and how it affects human health? Welcome to clinical anatomy! Together, we will learn about anatomical systems and the fascinating ways in which they can function, vary, and malfunction. Through lecture content, clinical cases, readings, videos, and games, you will learn how anatomy plays a critical role in diagnosis 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 and Molecular Medicine

Course Description
Have you ever wanted to solve your own diagnostic case or learn how to find 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 interact with graduate students, professors, and doctors as you learn about genetics, cancer, neuropathology, and even 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.
Student to Entrepreneur: Fundamentals of Innovation in Business

Course Description
We will build a business plan in 5 days! Student to Entrepreneur will empower you with the tools you need to innovate and plan a business. From ideation to iteration, you will finish this program by pitching your plan to your classmates and Queen’s Community professionals. Tighten your bootstraps because we’re going to start a business!

Instructor Biography
Justin is a Philosophy major with a passion for Innovation and Entrepreneurship. While also completing his Master’s of Management Innovation & Entrepreneurship at Queen’s he is also busy with his own business and Juno nominated band.

The Games Behind the Math

Course Description
Join us and explore Mathematics and Physics. In the Game Behind the Math, You will monitor and collect data, hypothesize, theorize, and perform mathematical modelling to describe the results of mathematical experiments. You will use analytical techniques and computer modelling and share your results. Together, we will work to understand the structure of a problem, and then use mathematical tools to prove that a particular strategy is the optimal solution.

Instructor Biography
Chelsea is currently a PhD student in the Physics and Engineering Department at Queen’s. She is incredibly passionate about exploration, innovation and imagination in the math classroom.
Writing Compelling Fiction

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. 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. All taught through a combination of collaborative games, creative exercises, lecture, and self-directed writing opportunities.

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.