

Learn more.

What's Bugging You? Understanding Infectious Diseases

(SCS 2180-002)

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Register at learn.utoronto.ca or call 416-978-2400.

Course Description

Dr. Sheldon M. Joseph leads this timely, up-to-the-minute assessment of various infectious diseases that are often in the News. These include H1N1 (swine flu) and pathogens in food, air, skin, and water like *C. difficile*, cholera, the common cold, *E. coli*, Influenza (the flu), Legionnaires, lichens, listeria, mononucleosis (Epstein-Barr), plasmodium (malaria), pneumonia, ringworm, salmonella, SARS, staph aureus, strept throat, and tuberculosis. We will also cover Sexually Transmitted Infections (STIs) like candidiasis, chlamydia, gonorrhea, Hepatitis B, herpes, HIV-AIDS, HPV, and syphilis. Important infective agents that are less known, yet cause a myriad of problems, will be discussed. For example, *H. pylori* (and not stress) is the bacteria that causes most stomach ulcers. Bacterial, viral and fungal diseases will be discussed in conjunction with the actions of our amazing 'army' of defense – The Immune System. We will also discuss nutrients (antioxidants, ginseng) that support and boost our natural immunity, targeted treatments like vaccines (Gardasil®), the actions of specific and broad-spectrum antibiotics, anti-virals, and anti-fungals, as well as prophylactics, universal precautions, and the issue of drug-resistant strains of pathogens (MRSA).

Number of sessions: 8

Monday, 7:00 PM – 9:00 PM | Sep 14, 2009 – Nov 9, 2009 | St. George Campus

Flat fee \$290.00 + GST

Instructor: Sheldon M. Joseph, Hons. B.S., Ph.D.

Sheldon is President and CEO, Rejuven8Labs.com, a biological sciences company specializing in knowledge transfer, research and product development. Following his Bachelor of Science (biology) and an internship at the Merck Research Laboratories in Rahway, NY, he earned his Ph.D. in cell physiology and biophysics at Case Western Reserve University, Cleveland, OH. Sheldon then trained as a Post-Doctoral Fellow in cancer genetics at the renowned Roswell Park Cancer Institute's Center of Excellence in Buffalo, NY.

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