



molecular biology of viruses was emphasized. Modern research tools used to study viral replication, as well as those techniques employed in vaccine production were discussed. Current topics relating to virology, such as cancer-preventing vaccines, the world-wide AIDS epidemic, and avian influenza formed the basis of the required term paper.

#### BIO 3310 - Medical Virology (2007) (Presently called Human Viruses and Disease)

In response to the needs of the increasing number of students planning to pursue a career in a health-related field, I revised the human virology course to emphasize the medical aspects of virology. Especially pertinent topics were vaccines, epidemiology, immunology and pharmacology.

#### BIO 3735 - Biology of Women's Health (2001-present)

As an adjunct, during the summer and fall of 2000, I designed and developed the above course. It covers conditions and diseases that predominantly affect women, considers how diseases present differently in men and women, and discusses the biological basis of these conditions. The course had not been taught previously at Stern College for Women.

#### BIO 4933 - Experimental Methods in Biological Research in the Summer@YU program (2005-2008)

Dr. Harvey Babich and I designed and taught a course to advanced high school seniors during the summer term. These students came from across the USA and Canada. Many chose to enroll at YU partly as a result of the introduction to the University that this summer program offered.

Bio 1005 Human Biology lab is a new one semester lab course that I developed during the summer of 2010. It fulfills the laboratory requirement for non-science majors under the new curriculum, and will be offered every term. The goal is to teach students about various systems in the body. To accomplish this, the course has a two-aspect approach. Approximately half the labs have a histology component. The remaining labs have exercises that demonstrate processes that occur in the body. The semester ends with a genetics component in which students isolate DNA and run agarose gels to analyze DNA. This course replaces the previous one for non-majors, Essentials of Biology, and does not include any vertebrate dissection. The course had not been taught previously at Stern College for Women.

#### **Publications:**

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- Babich, H., Krupka M.E.\*, Nissim, H.A.\*, and Zuckerbraun, H.L. 2005, Differential in vitro cytotoxicity of (-)epicatechin gallate (ECG) to cancer and normal cells from the human oral cavity. *Toxicology in Vitro* 19(2):231-242.
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\*Asterisks indicate the names of undergraduate research interns)