

Gregg Orloff, Biology

Spring 2005 Cancer Biology

Briefly, the course is senior-level and involves presentations that I may incorporate into my website (CancerQuest). The students work in small groups and present to the class.

The topics that I will add in the following offering of the course will include:

1. The effects of the environment on cancer incidence. This will include environmental toxins and pollution but will also include radiation from the sun and others. The impact of the degradation of the environment on cancer risks (i.e. ozone depletion) will be included.
2. We can also look at global issues (i.e. grain storage issues leading to cancer increases in developing countries and sanitation/healthcare issues such as hepatitis virus and liver cancer).
3. The 'selfish' side. We will look at issues of biodiversity as it relates to the discovery of possible cancer drugs.

I am not sure of the format for this but I think it will be more student driven and certainly not me doing a straight lecture. I think that they will be horrified if they do the research and see the impacts of the destruction of the rainforest has on drug discovery potential. I know I am!