Microbiology Program (11:680) learning goals

1. Graduates will gain a broad knowledge of the biology of microorganisms focusing on microbial processes and their effects on other organisms and the environment, microbial communities and biogeochemical cycles.

2. Graduates will be microbiologists able to use the scientific method to formulate questions and hypotheses, design experiments, employ appropriate methodology to solve problems in microbiology, and have the ability to analyze, interpret and present scientific data in microbiology.

3. Graduates will be critical thinkers with effective written and oral communication skills; well prepared for positions in industry, government and graduate/professional study.

4. Graduates will have a fundamental understanding of ethical and current issues in microbiology and appreciate a code of ethics for microbiologists including ethical conduct, scientific integrity and the dignity of the profession and practice of microbiology.