

# MOLECULAR, CELLULAR AND BIOMEDICAL SCIENCE (MCBS)

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# Course numbers with the # symbol included (e.g. #400) have not been taught in the last 3 years.

## **MCBS 901 - Introduction to Research in the Life Sciences**

**Credits: 2**

This two-credit graduate course is designed to acquaint first-year master's and doctoral students with facilities and tools for designing, conducting, and communicating research. Topics include: acquiring proper background information; the art of oral presentation; effective writing; data analysis and graphics using computers; ethics in science; and issues in research.

## **MCBS 905 - Contemporary Topics in Molecular, Cellular and Biomedical Sciences**

**Credits: 1**

Presentation, discussion, and critical evaluation of current research literature in molecular/cellular life sciences and in biomedical sciences. Topics will vary each semester. May be repeated for a maximum of 5 credits. Cr/F.

## **MCBS 913 - Applied Bioinformatics**

**Credits: 3**

Genome-enabled biology is the exploration of basic biological questions by combining high-throughput data gathering approaches, such as DNA sequencing, with computational skills in the area of Bioinformatics. Course is designed to provide an opportunity for graduate students in the life sciences to develop sophisticated methods of data analysis by participating in a collaborative project. May be repeated for a maximum of 6 credits.

## **MCBS 995 - Special Topics**

**Credits: 1-4**

Special topics course.

## **MCBS 997 - Seminar**

**Credits: 1**

Graduate student and faculty presentations on current topics in the molecular life sciences and biomedical sciences. Graduate students are expected to present one seminar per year and attend all seminars each semester. May be repeated. Cr/F. (Offered both fall and spring).