

# MICROBIOLOGY & MOLECULAR GENETICS (MMG)

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## College of Biological Sciences

*Undergraduate-level Microbiology (MIC)* (<https://catalog.ucdavis.edu/courses-subject-code/mic/>) courses are being discontinued & replaced by Microbiology & Molecular Genetics (MMG) courses.

For more information, contact your advisor.

### **MMG 115 – Recombinant DNA Cloning & Analysis (3 units)**

*Course Description:* Cloning and analysis of recombinant DNA, with emphasis on *Escherichia coli* host-vector systems. DNA-modifying enzymes; vectors and their use; manipulation and expression of insert DNA; polymerase chain reaction; and sequence annotation. Graduate students see MIC 215.

*Prerequisite(s):* BIS 101 C- or better; or the equivalent.

*Learning Activities:* Lecture 3 hour(s).

*Grade Mode:* Letter.

*General Education:* Science & Engineering (SE).

### **MMG 162 – General Virology (3 units)**

*Course Description:* Integrated presentation of the nature of animal, bacterial, and plant viruses, including their structure, replication and genetics.

*Prerequisite(s):* BIS 101 C- or better; BIS 102 or BIS 105 recommended.

*Learning Activities:* Lecture 3 hour(s).

*Credit Limitation(s):* Only 2 units of credit for students who have taken PMI 128 or MMI 177 or MMI 177; no credit if student has taken MIC 162.

*Grade Mode:* Letter.

*General Education:* Science & Engineering (SE).