



COLLEGE OF MEDICINE TUCSON

# Cellular & Molecular Medicine

## SUMMER 2025 ONLINE COURSE GUIDE

| Time Frame                                                                          | Delivery     |
|-------------------------------------------------------------------------------------|--------------|
| <b>Five-Week 1 Session</b><br><b>June 9 – July 10</b>                               |              |
| CMM 403/503: Human Molecular Genetics Basics (1 unit)                               | Asynchronous |
| <b>Five-Week 2 Session</b><br><b>July 14 – Aug 13</b>                               |              |
| CMM 403/503: Human Molecular Genetics Basics (1 unit)                               | Asynchronous |
| <b>Seven-Week 2 Session</b><br><b>July 7 – Aug 22</b>                               |              |
| CMM 538: Applied Biotechnology in Research and Medicine: Molecular Biology (1 unit) | Asynchronous |

## FALL 2025 ONLINE COURSE GUIDE

| Time Frame                                               |                                                                                                    |                                                                                   | Delivery     |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|
| <b>Five-Week Courses (1 credit)</b>                      |                                                                                                    |                                                                                   |              |
| <b>Aug 25 – Sept 26</b>                                  | <b>Sept 29 – Oct 31</b>                                                                            | <b>Nov 3 – Dec 10</b>                                                             |              |
| CMM 427/527:<br>Pathophysiology Basics<br>(1 unit)**     | CMM 428/528: Pathophysiology of<br>Integumentary, Respiratory, and<br>Digestive Systems (1 unit)** | CMM 429/529: Pathophysiology of<br>Urogenital and Endocrine Systems<br>(1 unit)** | Asynchronous |
| CMM 403/503: Human Molecular<br>Genetics Basics (1 unit) | CMM 433/533: Molecular Medicine (1<br>unit)*                                                       | CMM 435/535: Genetic Medicine (1<br>unit)*                                        | Asynchronous |
|                                                          |                                                                                                    | CMM 466/566: Microscopy Basics for<br>Biomedical Research (1 unit)                | Asynchronous |

\* Prerequisite: CMM 403/503 or upper-division-level molecular biology, or permission of the instructor

\*\* The first course is prerequisite for subsequent courses in this series.