

## 2024-2025 Schedule for Biochemistry Graduate Courses

### SUMMER 2024 (05/13-05/31)

| <u>Course</u> | <u>Title</u>                     | <u>Director(s)</u> |
|---------------|----------------------------------|--------------------|
| BIOC 503      | Biotechnology Laboratory: CRISPR | Dr. Howell         |

### FALL 2024

| <u>Course</u> | <u>Title</u>  | <u>Director(s)</u>        |
|---------------|---|---------------------------|
| BIOC 407      | Introduction to Biochemistry: From Molecules to Medical Science | Dr. Arvidson              |
| *BIOC 410     | Microbial Physiology and Therapeutic Opportunities              | Dr. Wang                  |
| BIOC 434      | Structural and Computational Biology                            | Drs van den Akker and Yee |
| BIOC 445      | Metabolic Regulation, Dysregulation, and Disease                | Dr. Arvidson              |
| BIOC 450      | Molecular Basis of Cancer                                       | Dr. Howell                |
| BIOC 460      | Advanced Technologies for Cancer Research                       | Dr. Danielpour            |
| **BIOC 500    | Biotechnology Laboratory: Molecular Biology Basics              | Dr. Wang                  |
| BIOC 501      | Biochemical and Cellular Techniques for Biotechnology           | Drs van den Akker and Kao |
| **BIOC 511    | Practice and Professionalism in Biotechnology                   | Dr. Yee                   |
| BIOC 611      | Biochemistry Seminar I  | Dr. Cao                   |

### SPRING 2025

| <u>Course</u> | <u>Title</u>   | <u>Director(s)</u> |
|---------------|--|--------------------|
| BIOC 408      | Molecular Biology  | Dr. Howell         |
| *BIOC 411     | Antimicrobial Therapies and Resistance                                 | Dr. Wang           |
| BIOC 412      | Proteins and Enzymes   | Dr. Wang           |
| BIOC 415      | Lipids, Membranes, and Membrane Proteins                               | Dr. Arvidson       |
| BIOC 444      | Molecular Endocrinology  | Dr. Arvidson       |
| BIOC 453      | Biochemical Pathways in Cancer Therapeutics                            | Dr. Howell         |
| **BIOC 502A   | Biotechnology Laboratory: Molecular Biology and Biochemical Techniques | Dr. Wang           |
| **BIOC 502B   | Biotechnology Laboratory: Eukaryotic Molecular and Cellular Biology    | Dr. Arvidson       |
| BIOC 612      | Biochemistry Seminar II  | Dr. Cao            |

\* semester change starting 2025-26

\*\* Priority enrollment for M.S. Biochemistry and M.S. Biotechnology students