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| **Qtr**  | **Course #**  | **Course Title** | **Length/Units**  |
|  | **REQUIRED CMP Courses** **CMP faculty directing course are bolded** |  |
| W  | **PHAR/**BIOM 255  | Molecular Basis of Drug Action and Disease Therapy I: (**Sunahara/Joiner**)  |  1 quarter/3  |
| F  | **PHAR** 236 | Pharmacokinetics (Chen)  |  5 sessions/1  |
| S  | **PHAR** 231  | Fundamentals of Rigor and Reproducibility (**Daneman/Newton**)  |  5 sessions/1  |
| S  | **PHAR** 234 (Odd yrs)  | Careers in Biomedical Science (**Newton**/Hamilton)  |  5 sessions/1  |
|  | **REQUIRED CMP Interdisciplinary Training**  |  |
| F, W, S  | **PHAR** 295  | Research Discussions Weekly attendance is required in years during which a student is supported by the training grant, and encouraged in subsequent years, although credit is given only once. You must always sign in.  |  weekly/1  |
|  W F, S |  **PHAR** 275 | Seminars in Pharmacology (PHAR 275) Pharmacology Seminar Series Attendance at Department seminars is required in years during which a student is supported by the training grant and encouraged in subsequent years. You must always sign in. |  weekly/2 |
|  | **REQUIRED Quantitative and Analytical CMP Courses** |  |
| S  |  **PHAR** 227 (Odd yrs)  | Fluorescence Spectroscopy for Studying Intracellular Signaling and Macromolecular Structure (**Zhang/Taylor**)  |  2 weeks/1  |
| S  | **PHAR** 231 (Odd yrs) | Current Topics in Pharmacology: Intro to Python Programming (**Schoeneberg**)  |  5 sessions/1  |
|  | **SUGGESTED CMP Advanced Courses** |  |
| W  | **PHAR** 222/BIOM 256  |  Fundamentals of Cancer Biology (**Yang**/Dowdy/**Furnari**)  |  1 quarter/3  |
| S | PHAR 231 |  Neurovascular and Cardiovascular Biology (Lopez-Ramirez)  |  5 sessions/1 |
| W  | SPPS 263A  |  Principles of Pharmaceutical Sciences and Drug Development **(O'Donoghue/Abagyan)**  |  1 quarter/3  |
| S  | SPPS 263B  |  Principles of Pharmaceutical Sciences and Drug Development (**Ballatore**/Caffrey/**Hook**)  |  1 quarter/3  |
| W  | **PHAR**/SPPS 268  |  Systems-Wide Mass Spectrometry: Proteomics and Metabolomics (**Bandeira/Dorrestein**)  |  1 quarter/2 |