

### Current IBiS Course Offerings

| Course #                      | Title                                                                                  | Instructor(s)              | FALL | WINTER | SPRING |
|-------------------------------|----------------------------------------------------------------------------------------|----------------------------|------|--------|--------|
| <b>CORE IBiS COURSES</b>      |                                                                                        |                            |      |        |        |
| <b>IBIS 401</b>               | Molecular Biophysics                                                                   | Mondragón                  |      |        | S26    |
| <b>IBIS 402</b>               | Molecular Biology of Human Disease                                                     | Morimoto                   |      | W26    |        |
| <b>IBIS 404</b>               | Principles and Methods in Systems Biology                                              | Carthew                    |      | W26    |        |
| <b>IBIS 410</b>               | Quantitative Biology                                                                   | Marko                      | F25  |        |        |
| <b>IBIS 411</b>               | Fundamentals in Biological Sciences: Biochemistry, Molecular Biology, and Genetics     | Vafabakhsh, Blythe, Wang   | F25  |        |        |
| <b>IBIS 412</b>               | Fundamentals in Biological Sciences: Genomics, Cell Biology, and Developmental Biology | Weiss, Lackner, LaBonne    |      | W26    |        |
| <b>IBIS 432</b>               | Statistics for Life Sciences                                                           | Wang (Jiping)              |      |        | S26    |
| <b>SOME IBiS ELECTIVES</b>    |                                                                                        |                            |      |        |        |
| <b>BMD_ENG 311</b>            | Computational Genomics                                                                 | Ji                         | F25  |        |        |
| <b>CHEM_ENG 376</b>           | Principles of Synthetic Biology                                                        | Shrinivas                  | F25  |        |        |
| <b>ES_APPM 472</b>            | Introduction to the Analysis of RNA Sequencing Data                                    | Kath                       | F25  |        |        |
| <b>BIOL_SCI 338</b>           | Modeling Biological Dynamics                                                           | Braun                      | F25  |        |        |
| <b>BIOL_SCI 302</b>           | Fundamentals of Neurobiology                                                           | Hodgson                    |      | W26    |        |
| <b>BIOL_SCI 323</b>           | Bioinformatics: Sequence & Structure Analysis                                          | Radhakrishnan              |      | W26    |        |
| <b>CHEM_ENG 378</b>           | Deconstructing Synthetic Biology                                                       | Lucks                      |      | W26    |        |
| <b>BIOL_SCI 315</b>           | Advanced Cell Biology                                                                  | Beitel                     |      |        | S26    |
| <b>BIOL_SCI 328</b>           | Microbiology                                                                           | Lane                       |      |        | S26    |
| <b>BIOL_SCI 391</b>           | Developmental Biology                                                                  | Blythe                     |      |        | S26    |
| <b>NUIN 417</b>               | Mechanisms of Neurodegeneration: Alzheimer's Disease as a Case Study                   | Klein                      |      |        | S26    |
| <b>TRAINING COURSES</b>       |                                                                                        |                            |      |        |        |
| <b>IBIS 421</b>               | Rigor and Reproducibility in Research                                                  | Cowles                     | F25  |        |        |
| <b>IBIS 423</b>               | Ethics in Biological Research                                                          | Cowles                     |      |        | S26    |
| <b>PROGRAM SEMINAR COURSE</b> |                                                                                        |                            |      |        |        |
| <b>IBIS 462</b>               | Seminar in Biological Sciences                                                         |                            | F25  | W26    | S26    |
| <b>SPECIAL TOPICS COURSES</b> |                                                                                        |                            |      |        |        |
| <b>IBIS 455</b>               | Image Analysis                                                                         | Lane, Petersen             |      | W26    |        |
| <b>IBIS 455</b>               | Integrative Structural Biology                                                         | Mondragón                  |      |        | S26    |
| <b>IBIS 409</b>               | Biophysical Methods for Macromolecular Analysis                                        | Pinkett                    | F25  |        |        |
| <b>CHEM_ENG 478</b>           | Advances in Biotechnology                                                              | Leonard                    |      |        | S26    |
| <b>NUIN 411-3</b>             | Great Experiments in Systems and Cognitive Neuroscience                                | Kozorovitskiy              |      | W26    |        |
| <b>RECOMMENDED WORKSHOPS</b>  |                                                                                        |                            |      |        |        |
|                               | BioOpportunities                                                                       | check with IBiS/MBS office |      |        |        |
|                               | Pathway to the Professoriate                                                           | check with IBiS/MBS office |      |        |        |
|                               | BioSurvival Skills                                                                     | check with IBiS/MBS office |      |        |        |