A team-taught course designed to provide a solid introduction to graduate-level cell biology with an emphasis on how key pathways contribute to human disease. The course format consists of discussion-oriented lectures on key concepts in cell biology, with each concept linked to specific diseases caused by dysregulation of the relevant pathways.

**Prerequisites** are courses in biochemistry, molecular biology, and cell biology at the advanced undergraduate level. Additional or more advanced courses will be beneficial. Students must have a sound foundation in the structure and function of proteins, the structure of nucleic acids, enzyme and chemical reaction kinetics, and molecular biology and molecular genetics.

Contact Dr. Lonnie Lybarger with course questions or for permission: lybarger@email.arizona.edu

To register visit: [www.summer-winter.arizona.edu](http://www.summer-winter.arizona.edu).
Registration opens in early March.