**INTER 102**

**Introduction to Graduate Studies**

**Tuesdays and Thursdays 9:00 AM - 11:30 AM**

**2 credit hours**

The goal of the LSUHSC-NO Postbaccalaureate Research Education Program (PREP) in Biomedical Sciences is to prepare individuals from backgrounds underrepresented in the biomedical sciences, who have recently completed their baccalaureate science degrees, for successful enrollment, retention, and completion of a PhD training program during a one-year research education program. The goal of this course is to prepare the PREP Scholars for graduate school.

**Course Co-Directors**

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| Date | Room Number | Topic | Lecturer |
| Jan 8 | MEB 3214 | Introduction /  Inheritance Patterns, Pedigrees, Genetic Syndromes | Drs. Crabtree/D’Angelo |
| Jan 10 | MEB 3214 | Chromosome Structure and Function/ Cytogenetics | Dr. Tsien |
| Jan 15 | MEB  3214 | Complex Disease Genetics/Population Genetics / Genetic Variance and Disease | Dr. Mandal |
| Jan 17 | MEB  3214 | Human Genome/Genome Editing | Dr. Crabtree |
| Jan 22 | MEB  3214 | Biochemical Genetics, Inborn Errors of Metabolism | Dr. D’Angelo |
| Jan 24 | MEB  3214 | Epigenetics and Genomic Imprinting Disorders | Dr. Tsien |
| Jan 29 | MEB  3214 | **Genetics FINAL EXAM** | Dr. Tsien |
| Jan 31 | MEB 7204 | Oral Presentation of Research Project | Drs. Augustus-Wallace, Harrison-Bernard, Tsien |
| Feb 7 | MEB 7204 | Reflecting on Your Mentoring Relationship | Dr. Harrison-Bernard |
| Feb 14 | MEB 7204 | Scientific Articles-Practical Reading Strategies | Dr. Augustus-Wallace |
| Feb 21 | MEB 7204 | Developing A Thesis Writing Plan | Drs. Augustus-Wallace, Harrison-Bernard, Tsien |
| Feb 28 | MEB 7204 | Mini-Grant Proposal | Drs. Augustus-Wallace, Harrison-Bernard, Tsien |
| Mar 6 | MEB 7204 | Research Proposal | Drs. Augustus-Wallace, Harrison-Bernard, Tsien |
| Mar 27 | MEB 7204 | Skills Workshops | Drs. Augustus-Wallace, Harrison-Bernard, Tsien |
| April 3 | TBA | PREP Symposium | PREP Scholars & Invited Guests |

Homework - 20%; Class Participation - 25%; PREP Symposium Oral Presentation-30%; Genetics Final Exam - 25%