

Meeting times

BIEN401 - 001 PROPOSAL PREP&IC STNDS BIEN				OPEN			
Call Number :	10822	Instructor :	Park B	Units :	4.00	Max Enrollment :	30
Class Activities :	LEC	TBA		n/a		Available Seats :	18
	LEC	TBA		n/a		Wait List Max :	0
	LEC	MW	09:10 a.m. - 10:30 a.m.	n/a		# on Wait List :	0
Co-requisites :	n/a						
Prerequisites :	n/a						
Restrictions :	This course has no restrictions at the course wide level						
Cross-Listed with :	n/a						
Grade Type :	n/a						
Final Exam Date :	n/a						
Final Exam Time :	n/a						
Schedule Note(s) :	n/a						
Catalog Description :	BIEN 401 Fundamentals of Proposal Preparation and Ethical Standards in Bioengineering, 4 units, Lecture, 3 hours; discussion, 1 hour. Prerequisite(s): graduate standing. An introduction to effective proposal preparation and writing for bioengineering-related research. Also covers ethical standards of scientific research related to bioengineering. May be taken Satisfactory (S) or No Credit (NC) with consent of instructor and graduate advisor.						

Instructor

- B. Hyle Park, Ph.D.
Associate Professor of Bioengineering
MSE 243
hylepark@ucr.edu

Lecture

- MW 9:10 am – 11:00 am
MSE 301

Change for Mondays?

Syllabus

Week	Lecture Monday	Lecture Wednesday	Graded submissions
1	Course overview	Analysis of previous applications	
2			
3	<i>Research applications</i>	<i>Ethics</i>	Rotation 1 summary
4		<i>Responsible conduct of research</i>	<i>Research plan outline</i>
5	<i>RPE format</i>		
6		<i>Hypothesis testing</i>	Rotation 2 summary
7	<i>Oral qualifier format</i>	<i>Power analysis</i>	<i>Initial draft</i>
8			
9	<i>Defense presentation format</i>		Rotation 3 summary; Lab preference list
10			<i>Final draft</i>
Finals			<i>Attendance/participation, ethics</i>

NSF GRFP

- Application components
 - Personal, relevant background, and future goals statement
 - Graduate research plan statement
 - 3 reference letters
 - Academic transcripts
- Evaluation criteria
 - Intellectual merit
 - “The Intellectual Merit criterion encompasses the potential to advance knowledge.”
 - Broader impacts
 - “The Broader Impacts criterion encompasses the potential to benefit society and contribute to the achievement of specific, desired societal outcomes.”

Other fellowship opportunities

- NIH F31
- AHA
- Ford Foundation
- Hertz Foundation
- https://www.nsfgrfp.org/applicants/other_opportunities