

ORIGINATOR'S SECTION:

1. College: CHABSS CoBA CoEHHS CSM
 Desired Term and Year of Implementation (e.g., Fall 2008):
 Fall 2017

2. Course is to be considered for G.E.? (If yes, also fill out appropriate GE form*) Yes No

3. Course will be a variable-topics (generic) course? Yes No
 ("generic" is a placeholder for topics)

4. Course abbreviation and Number:* BIOT 500

5. Title: (Titles using jargon, slang, copyrighted names, trade names, or any non-essential punctuation may not be used.)
Preparation for PSM and Bioscience Industry Engagement.

6. Abbreviated Title for PeopleSoft:
 (no more than 25 characters, including spaces)
 PSM/Bioscience Prep

7. Number of Units: 1

8. Catalog Description: (Not to exceed 80 words; language should conform to catalog copy. Please consult the catalog for models of style and format; include all necessary information regarding consent for enrollment, pre- and/or corequisites, repeated enrollment, crosslisting, as detailed below. Such information does not count toward the 80-word limit.)

 Preparation for PSM Program and Bioscience Industry Engagement. Career preparation for successful entry and development in biotechnology. Community and interactive discussion topics including the business of science, career opportunities, industry and workforce trends, and overview of the biotechnology industry. The course is also intended to help students identify career values and goals and get them on track for being successful in finding a meaningful project for their capstone experience. Students will research potential semester-in-residence sites and develop a plan for securing a project. In addition to writing a resume and cover letter, students will develop interviewing and networking skills, set goals and learning objectives, and learn skills that will ensure their success in their semester-in-residence experience and beyond.
Prerequisites: Admission to Master of Biotechnology or Program Director consent.

9. Why is this course being proposed?

 With 7-cohort years of experience, we have found that most students are not ready for the rigors and engagement required for the program, Semester-In-Residence, pursuing employment or the next level of career growth. Many international students need an introduction to USA workforce expectations and how to liaison with industry opportunities. The course provides exposure to expectations from a variety of faculty and industry guest lecturers.

10. Mode of Instruction*
 For definitions of the Course Classification Numbers:
http://www.csusm.edu/academic_programs/curriculum/schedu ling/catalogcurricula/DOCUMENTS/Curricular_Forms_Tab/ Instructional%20Mode%20Conventions.pdf

Type of Instruction	Number of Credit Units	Instructional Mode (Course Classification Number)
Lecture	1	C-2
Activity		
Lab		

11. Grading Method:*
 Normal (N) (Allows Letter Grade +/-, and Credit/No Credit)
 Normal Plus Report-in-Progress (NP) (Allows Letter Grade +/-, Credit/No Credit, and Report-in-Progress)
 Credit/No Credit Only (C)
 Credit/No Credit or Report-in-Progress Only (CP)

12. If the (NP) or (CP) grading system was selected, please explain the need for this grade option.

13. Course Requires Consent for Enrollment? Yes No
 Faculty Credential Analyst Dean Program/Department - Director/Chair

* If Originator is uncertain of this entry, please consult with Program/Department Director/Chair.

Trader _____
 RP _____
 PS _____



14. Course Can be Taken for Credit More than Once? Yes No
 If yes, how many times? (including first offering)

15. Is Course Crosslisted: Yes No
 If yes, indicate which course and check "yes" in item #22 below.

16. Prerequisite(s): Yes No

17. Corequisite(s): Yes No

18. Documentation attached:
 Syllabus Detailed Course Outline

19. If this course has been offered as a topic, please enter topic abbreviation, number, and suffix:*

20. How often will this course be offered once established?* Yearly

PROGRAM DIRECTOR/CHAIR - COLLEGE CURRICULUM COMMITTEE SECTION:
(Mandatory information – all items in this section must be completed.)

21. Does this course fulfill a requirement for any major (i.e., core course or elective for a major, majors in other departments, minors in other departments)? Yes No
 If yes, please specify:
 Master of Biotechnology (a Professional Science Masters degree)

22. Does this course impact other discipline(s)? *(If there is any uncertainty as to whether a particular discipline is affected, check "yes" and obtain signature.)* Yes No
 If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

Discipline _____	Signature _____	Date _____	Support _____	Oppose _____
Discipline _____	Signature _____	Date _____	Support _____	Oppose _____

SIGNATURES : (COLLEGE LEVEL) :

(UNIVERSITY LEVEL)

Betsy Read

- 1. Originator (please print or type name) _____ Date 11/20/17

- 2. Program Director/Chair _____ Date 11/20/17

- 3. College Curriculum Committee _____ Date _____

- 4. College Dean (or Designee) _____ Date _____

- 5. UCC Committee Chair _____ Date _____
- 6. Vice President for Academic Affairs (or Designee) _____ Date _____
- 7. President (or Designee) _____ Date _____

* If Originator is uncertain of this entry, please consult with Program/Department Director/Chair.

PREP FOR PSM AND BIOSCIENCE INDUSTRY

BIOT 500

One Day Per Week for Seven Non-Consecutive Weeks ♦ TBA ♦ TBA

BIOT 500. Preparation for PSM Program and Bioscience Industry Engagement. Career preparation for successful entry and development in biotechnology. Community and interactive discussion topics including the business of science, career opportunities, industry and workforce trends, and overview of the biotechnology industry. The course is also intended to help students identify career values and goals and get them on track for being successful in finding a meaningful project for their capstone experience. Students will research potential semester-in-residence sites and develop a plan for securing a project. In addition to writing a resume and cover letter, students will develop interviewing and networking skills, set goals and learning objectives, and learn skills that will ensure their success in their semester-in-residence experience and beyond. *Prerequisites: Admission to Master of Biotechnology or Program Director consent.*

Student Learning Outcomes:

Upon completing the course, students will:

- Recognize their personal strengths and weaknesses and identify careers/internships that best fit individual interests and personality preferences.
- Know how to find resources and use various tools and techniques to find and evaluate potential positions in the life science industry.
- Be well versed on how to prepare professional resumes and cover letters.
- Understand that interviewing is a skill, the quality of which is enhanced with practice and preparation.
- Understand the corporate culture and what it takes to be successful in the life science industry.

Weighted Grading System:

The student's grade in this class will be based on a weighted grading system. Each element of the system will carry a percentage of the total grade. All items added together will yield a percentage of the total grade, on which the final grade will be based.

Grading

- > 90-100% = A
- > 80 < 90% = B
- > 70 < 80% = C
- > 60 < 70% = D
- < 60% = F

Notes from Conversations with

Life Science Leaders	30%
Resume (Draft - 3%)	20%
Personal Goals	5%
5 Potential Sites	5%
Personal Assessment	5%
Mock Interview	10%
Cover Letter	10%
<u>Networking</u>	15%
Total	100%

Course Outline and General Thrust:

The course will be divided into four general categories with subsets of each. The course outline will include:

- What's expected in MBt and how to deal.
- What is expected by Industry.
- Securing & accomplishing an SIR.
- Need to know for Bioscience job/career.

Overlying themes and exposure:

Lectures, guest speakers, readings and interactive discussions will focus on the needs for success in the MBt and beyond. These will include:

- Critical skill needs.
- Exposure to careers.
- Interactive discussion, team & role play.
- Exposure to industry leaders.

Date	Topic Description	Instructor
Week 1	<p>Introduction to the Course and the MBt Program Expectations.</p> <ul style="list-style-type: none"> • Course outline and syllabus review. • MBt program outlook, nuances and expectations. • Critical skills valued by the life-science industry. • How industry perceives academia and recent grads. • Myths and realities of working in industry/government. • “Must know” terms and issues. • Networking/social network – Build LinkedIn/leverage your network. • Determining one’s “self traits”. • <i>Homework prior to next class</i> • <i>Terms list.</i> • <i>Current Events reading.</i> 	
Week 2	<p>Preparing & Seeking for a Job, SIR, Career or Promotion.</p> <ul style="list-style-type: none"> • How to relate core competencies & job requirements. • Building your personal brand. • Interpreting job ads, annual reports, & assessing company info. • Translating your accomplishments into business language. • Competencies for Industry & Government. • Resume & Cover letters and messages about you. • Interview preparation – team role play. • Review “what industry wants.” • <i>Prepare resumes and cover letters for review. Hand-in by Week 5.</i> • <i>Assigned Reading.</i> 	
Week 3	<p>Performance Management, Goals, Assessments, Reports and Communication.</p> <ul style="list-style-type: none"> • Review of critical components and measurements in the workplace. • <i>Homework prior to next class -- . . .”</i> 	
Week 4	<p>Case Study: Team Role Play.</p> <ul style="list-style-type: none"> • Role play interviews – 2 students interview a 3rd with made-up company. (Student critique after all finished and in overall summary). • Feedback from students and instructors after all finished and looking at an overall summary of things learned. Not individual critique.) • <i>Current events reading or Assignment.</i> 	<p><i>Include an HR or Recruiting Person in the class.</i></p>
Week 5	<p>Meet Leaders of the Life Science Industry.</p> <ul style="list-style-type: none"> • Hear their personal experiences. 	<p><i>1 -3 industry</i></p>

	<ul style="list-style-type: none"> • Suggestions for industry/job preparedness. • How employment expectations are changing. • <i>Attend a BIOCOM event or “In the Executive Chair”.</i> 	<i>speakers</i>
Week 6	Meet the Leader (In the Executive Chair format) <ul style="list-style-type: none"> • Introduction and presentation by Leader. • Team of 4 students interview & rotate asking questions of the Leader. • Leader talks of experience. • Leader addresses – the Business of Science, opportunities and career observations. • Open questions to Leader by class. • <i>Homework – find a job or project that excites you.</i> 	
Week 7	Meet the Leader. <ul style="list-style-type: none"> • Internships, jobs and careers. • Obtaining a SIR project and looking for jobs. • Setting internship and professional goals. • <i>Homework.</i> 	
Week 8	<ul style="list-style-type: none"> • Final Reviews or Exam, as needed. 	

READINGS & REFERENCES: (Readings are or will be made available/accessible over the internet free of charge.)

- *BIO Report(s) – BIO Organization.*
- *Fierce Biotech.* National biotechnology industry news.
- *The Daily Transcript/San Diego Source.* A daily business newspaper.
- *San Diego Union Tribune / North County Times.* Daily newspapers.
- *Ernst & Young Annual Biotechnology Report.*
- *BIOCOM website: PR Newswire. BIOCOM.org*
- *Human Resources & Recruiting reports.*
- *Case Study Material as Assigned.*