DEPARTMENT OF BIOCHEMISTRY

BCHM 49000 Undergraduate Seminar
Syllabus, Fall 2020

INSTRUCTOR: Dr. Rossi
office: BCHM 203
TEL: 494-3112
e-mail: rossie@purdue.edu
Office hours: by appointment

LECTURE TIME AND PLACE
Monday, 4:30-5:30pm, BCHM 102

All lectures will be recorded, and will be available for students who miss a class or who
would like to review a lecture. They can be downloaded at
http://www.itap.purdue.edu/learning/tools/boilercast/

COURSE OBJECTIVES
This one-credit course is part of the capstone research experience required for
completion of the Biochemistry B.S. degree. The primary focus of this course is on
scientific communication.

Students will learn and practice effective means to communicate scientific information in
both written and oral forms, focusing on their own research experience in BCHM 49800.
A secondary focus will be on proper conduct of scientific research, including ethical and
practical issues.

LEARNING OUTCOMES
BCHM 49000 students will incorporate the scientific method in their communication
exercises. They will demonstrate the ability to develop hypotheses, design experiments,
and analyze results to create new knowledge.

BCHM 49000 students will communicate scientific knowledge, experiments and
conclusions effectively as speakers and writers.

BCHM 49000 students will appreciate the ethical issues facing professionals in the life
sciences.

BCHM 49000 students will learn the contributions of our discipline to society, including
improvements to medicine, agriculture, the economy and the environment.

TEXTBOOK
Students should read "Slide:ology: The Art and Science of Creating Great Presentations" and Chapter 2 of "Resonate: Present visual stories that transform audiences" both by Nancy Duarte. They are both available online through the Purdue libraries at no cost.

BLACKBOARD

The syllabus for the course, lecture notes, assignments and templates for grading will be available via the Purdue University Blackboard site at: http://www.itap.purdue.edu/learning/tools/blackboard/

ASSESSMENT

The grading for this course is based on the following:

1 short written assignment 5%
1 written paper 25%
2 oral presentations 40%
Poster presentation 20%
Class participation 10%

The cutoff values for letter grades are as follows:

90% A
80% B
70% C
60% D
59% and below F

Missing an assignment will result in a grade of 0 being recorded unless documented justification is presented. Any request to be excused from a class presentation assignment must include official documentation (doctor’s note, request from academic advisor, etc) explaining why the class was or will be missed.

If you have any disagreements with the way any of your assignments have been graded, please make an appointment to see the instructor.

Requests for re-grades must be submitted no later than the end of the second class period after the grade is received.

EXTRA CREDIT

There will be occasional opportunities for extra credit.

OBTAINING EXTRA HELP

Dr. Rossie will be available to answer questions immediately after class, or by appointment (arranged in class or by e-mail). Alternatively, you can submit questions by e-mail that can be answered in class or by return e-mail. Please include "BCHM 490" in the subject line for all emails.

CLASS ATTENDANCE

In accordance with University policy, you are expected to attend every scheduled class. If you have a valid reason for missing class such as a University-sponsored activity, religious observances, illness, or family emergency, the instructor will assist you in
obtaining information and materials you may have missed. Students who skip class without a valid excuse should not expect the instructor to supply class notes or provide special help. **TWO UNEXCUSED ABSENCES WILL RESULT IN A DROP OF A LETTER GRADE.** For the official university policy, see: www.purdue.edu/odos/services/classabsence.php and http://www.purdue.edu/studentregulations/regulations_procedures/classes.html

**ACADEMIC MISCONDUCT**

Academic misconduct of any kind will not be tolerated in any course offered by the Department of Biochemistry. Information on Purdue’s policies with regard to academic misconduct can be found at http://www.purdue.edu/studentregulations/student_conduct/regulations.html

Any incidence of academic misconduct will be reported to the Office of the Dean of Students. Academic misconduct may result in disciplinary sanctions including expulsion, suspension, probated suspension, disciplinary probation, and/or educational sanctions. In addition, such misconduct will result in punitive grading such as:

- receiving a lower or failing grade on the assignment, or
- assessing a lower or failing grade for the course

Punitive grading decisions will be made after consultation with the Office of the Dean of Students. Please note reported incidences of academic misconduct go on record for reference by other instructors. Further, a record of academic misconduct is likely to influence how current/future situations are handled.

To provide you with an unambiguous definition of academic misconduct, the following text has been excerpted from "Academic Integrity: A Guide for Students", written by Stephen Akers, Ph.D., Executive Associate Dean of Students (1995, Revised 1999, 2003), and published by the Office of the Dean of Students in cooperation with Purdue Student Government, Schleman Hall of Student Services, Room 207, 475 Stadium Mall Drive West Lafayette, IN 47907-2050.

“Purdue prohibits "dishonesty in connection with any University activity. Cheating, plagiarism, or knowingly furnishing false information to the University are examples of dishonesty." [Part 5, Section III-B-2-a, Student Regulations] Furthermore, the University Senate has stipulated that "the commitment of acts of cheating, lying, and deceit in any of their diverse forms (such as the use of substitutes for taking examinations, the use of illegal cribs, plagiarism, and copying during examinations) is dishonest and must not be tolerated. Moreover, knowingly to aid and abet, directly or indirectly, other parties in committing dishonest acts is in itself dishonest." [University Senate Document 72-18, December 15, 1972]

More specifically, the following are a few examples of academic dishonesty which have been discovered at Purdue University that are relevant to this class.

- paying someone else to write a paper and submitting it as one’s own work
- doing class assignments for someone else
- plagiarizing published material, class assignments, or lab reports
- turning in a paper that has been purchased from a commercial research fir or obtained from the internet
- padding items of a bibliography
- collaborating with other students on assignments when it is not allowed
- stealing class assignments from other students and submitting them as one’s own
- fabricating data
- destroying or stealing the work of other students
Plagiarism is a special kind of academic dishonesty in which one person steals another person's ideas or words and falsely presents them as the plagiarist's own product. This is most likely to occur in the following ways:

- using the exact language of someone else without the use of quotation marks and without giving proper credit to the author
- presenting the sequence of ideas or arranging the material of someone else even though such is expressed in one's own words, without giving appropriate acknowledgment
- submitting a document written by someone else but representing it as one's own

Academic integrity is one of the highest values that Purdue University holds. Individuals are encouraged to alert university officials to potential breaches of this value by either emailing integrity@purdue.edu or by calling 765-494-8778. While information may be submitted anonymously, the more information that is submitted provides the greatest opportunity for the university to investigate the concern.

Purdue's Honor Pledge was developed by students to advance a supportive environment that promotes academic integrity and excellence. It is intended that this pledge inspires Boilermakers of all generations to stay "on track" to themselves and their University. "As a boilermaker pursuing academic excellence, I pledge to be honest and true in all that I do. Accountable together - we are Purdue."

NOTICE OF COPYRIGHT PROTECTION OF COURSE MATERIALS

Among the materials that may be protected by copyright law are the lectures, notes, and other material presented in class or as part of the course. Always assume the materials presented by an instructor are protected by copyright unless the instructor has stated otherwise. Students enrolled in, and authorized visitors to, Purdue University courses are permitted to take notes, which they may use for individual/group study or for other non-commercial purposes reasonably arising from enrollment in the course or the University generally.

Notes taken in class are, however, generally considered to be "derivative works" of the instructor's presentations and materials, and they are thus subject to the instructor's copyright in such presentations and materials. No individual is permitted to sell or otherwise barter notes, either to other students or to any commercial concern, for a course without the express written permission of the course instructor. To obtain permission to sell or barter notes, the individual wishing to sell or barter the notes must be registered in the course or must be an approved visitor to the class. Course instructors may choose to grant or not grant such permission at their own discretion, and may require a review of the notes prior to their being sold or bartered. If they do grant such permission, they may revoke it at any time, if they so choose.

EMERGENCY PREPAREDNESS

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances. To get information about changes in this course consult the class Blackboard site or e-mail or phone the instructor.

ON-LINE COURSE EVALUATIONS

During the last two weeks of the semester, you will be provided an opportunity to evaluate this course and your instructor(s). To this end, Purdue has transitioned to online course evaluations. On Monday of the fifteenth week of classes, you will receive an
official email from evaluation administrators with a link to the online evaluation site. You will have two weeks to complete this evaluation. Your participation in this evaluation is an integral part of this course. Your feedback is vital to improving education at Purdue University. I strongly urge you to participate in the evaluation system.

NON-DISCRIMINATION POLICY

Purdue University’s non-discrimination policy will be upheld in this classroom. Purdue University is committed to maintaining a community which recognizes and values the inherent worth and dignity of every person; fosters tolerance, sensitivity, understanding, and mutual respect among its members; and encourages each individual to strive to reach his or her own potential. In pursuit of its goal of academic excellence, the University seeks to develop and nurture diversity. The University believes that diversity among its many members strengthens the institution, stimulates creativity, promotes the exchange of ideas, and enriches campus life.

Purdue University views, evaluates, and treats all persons in any University related activity or circumstance in which they may be involved, solely as individuals on the basis of their own personal abilities, qualifications, and other relevant characteristics.

In this course, each voice in the classroom has something of value to contribute. Please take care to respect the different experiences, beliefs and values expressed by students and staff involved in this course. We support Purdue’s commitment to diversity, and welcome individuals of all ages, backgrounds, citizenships, disability, sex, education, ethnicities, family statuses, genders, gender identities, geographical locations, languages, military experience, political views, races, religions, sexual orientations, socioeconomic statuses, and work experiences.

For more information, see http://www.purdue.edu/purdue/ea_eou_statement.html.

MENTAL HEALTH

• If you find yourself beginning to feel some stress, anxiety, or feeling slightly overwhelmed, try WellTrack, https://purdue.welltrack.com/ Sign in and find information and tools at your fingertips, available to you at any time.
• If you need support and information about options and resources, please see the Office of the Dean of Students, http://www.purdue.edu/odos, for drop-in hours (M-F, 8am-5 pm).
• If you’re struggling and need mental health services: Purdue University is committed to advancing the mental health and well-being of its students. If you or someone you know is feeling overwhelmed, depressed, and/or in need of mental health support, services are available. For help and to speak with a clinician, contact Counseling and Psychological Services (CAPS) at (765)494-6995 or by going to CAPS’ office on the second floor of the Purdue University Student Health Center (PUSH). For urgent situations after hours, on weekends and holidays, call (765)494-6995 to speak with a clinician. Please see http://www.purdue.edu/caps/ for further information.

ACCESSIBILITY AND ACCOMMODATIONS

Purdue University strives to make learning experiences as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, you are welcome to let me know so that we can discuss options. You are also encouraged to contact the Disability Resource Center at: drc@purdue.edu or by phone: 765-494-1247.
DISCLAIMER

This syllabus is subject to change