
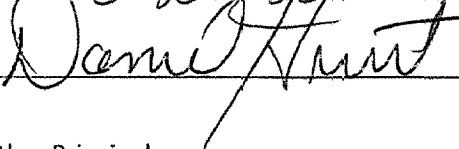
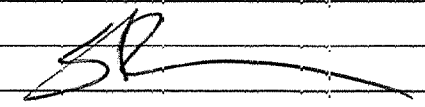


ALAMEDA UNIFIED SCHOOL DISTRICT

SECTION A. COURSE DESCRIPTION COVER PAGE

<p>NOTE: Students enrolling in this course will be dual-enrolled in both Alameda USD and Peralta Community College District (PCCD). Upon completion, students will receive credit for completion of a college-level course — 10 credits for the semester.</p>	
1. Course Title: Scientific Presentation	6. Prerequisite(s): Biology (C or better)
2. Action: <input checked="" type="checkbox"/> New Course <input type="checkbox"/> Course Revision <input type="checkbox"/> Title Change Only	7. Grade Level: 11 th /12 th
3. Transcript Title/Abbreviation: Scientific Pres	8. Elective/Required: Elective
4. Transcript Course Code/Course Number: QNOM	9. Subject Area: Life Science
5. CBEDS Code:	10. Department: Science
<p>11. Length /Credits: <input checked="" type="checkbox"/> 0.5 (half year or semester equivalent) <input type="checkbox"/> 1.0 (one year equivalent) NOTE: This is a dual enrollment course. The course is one college semester in duration which translates to 10 high school credits. </p>	
<p>12. Was this course previously approved by UC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, year removed from list: _____ </p>	
<p>13. Meets the "_____ " requirements in the a-g university/college entrance requirement. Approval date: N/A</p>	
<p>14. School Contact Information Name: <u>Pauline Stahl</u> Title/Position: <u>Teacher</u> Phone: <u>748 4023 ext:2102</u> Fax: <u>521-4956</u> E-Mail: <u>pstahl@alameda.k12.ca.us</u> </p>	
<p>16. Signatures: Department Chair: <u></u> Principal: <u></u> Acknowledged by Other Principals: _____ Educational Services: <u></u> <u>6.5.17</u> </p>	
<p>16. BOE Approval Signature of Superintendent _____ Date of Approval _____ </p>	

SECTION B. COURSE CONTENT

17. Course Description:

This course in the genomics pathway sequence is an introduction to visual and oral presentation of scientific research. Developing a proposal, abstract, and presentation poster; emphasis on preparatory work such as the literature review, organizational and oral presentation skills, and ethics in presentation.

18. Course Goals and/or Major Student Outcomes:

Prepare and deliver an oral presentation, including post presentation Q & A

- a. Length appropriate to scientific meeting standards
- b. Including appropriate visuals to clarify presentation
- c. Using concise and scientifically appropriate language
- d. Including citations to research

Prepare and present a scientific poster appropriate for presentation at scientific meeting

- a. Of appropriate size and scope
- b. Including appropriate visual and written segments
- c. Including citations to research
- d. Presentation includes Q & A

19. Course Objectives (standards):

Students will be able:

- a. Make clear, precise oral presentations of scientific research
- b. Prepare presentation posters using scientific meeting standards that are clear, understandable, organized, and appealing

20. Course Outline:

1. Making an oral scientific presentation (50%)
 - a. Preparing and delivering presentations from published articles
 - b. Critiquing and editing others presentations
 - c. Prepare a presentation based on original research
2. Making a poster for a scientific meeting (50%)
 - a. Introduction to the scientific poster
 - b. Preparing posters based on others research
 - c. Critiquing and editing of posters
 - d. Preparing a poster based on original research

21. Instructional Materials:

Board approved required text:

Supplementary materials:

Video documentation of both oral and poster presentations.
APA Style Manual for reference
Access to PCCD library for research

21. Instructional Methods and/or Strategies

1. Lecture
2. Discussion
3. Peer editing/critique

4. Student presentation

23. Assessment and Evaluation

On-going formative and summative assessments, including scientific writing requiring students to select, organize, and defend ideas with supporting data. In the process, students will demonstrate analytical and critical thinking skills. Formal assessments will include preparation of journal sections suitably formatted for scientific publication. Culminating project is a full manuscript.

24. Grading Policy

Assignments will be graded A-F for clarity, thought, and comprehensiveness.

SECTION C. OPTIONAL INFORMATION

25. Context for offering the course;

Students in the genomics pathway will be producing original data unknown to the scientific community. This course will allow students the real-life experience of preparing data for publication in multiple forms.

BIOSC 36

Scientific Presentation

3 units, 3 hours lecture (GR or P/NP)

Acceptable for credit: CSU

Introduction to visual and oral communication skills necessary for presenting scientific research to the public: Developing a proposal, abstract, and poster presentation; emphasis on preparatory work such as the literature review, organizational and oral presentation skills, and ethics in presentations.