

Honors Contracts Examples

Below you will find examples of Honors Contracts from peer institutions, illustrating the types of activities and approaches taken. Note a variety of activities, deliverables, and formats, including both individual and group activities. The general expectation is that students take the lead in proposing and carrying out contracts, but faculty may also provide pre-determined options if they choose. Examples illustrate greater depth of engagement as well as breadth assignments, and also showcase activities that can benefit future iterations of a class or contribute to teaching/peer supports during the semester.

Ecosystem Ecology

TriFold brochure designed through Canva. Based upon the Ecosystem Tool Kit specialized in the ecosystem of the Sonoran Desert. It is a research-based approach to apply the tool kit to where we reside, and it can be included in future introduction lectures. Expected to follow schedule around dates below: • September 11: Have a collection of 6 articles/sources and send it to the Professor for review • September 25: First Draft of Brochure and send to the Professor for review • October 9: Final Brochure draft and send to the Professor for review

Genetics of Bacteria

Work with Dr. T to study bacteriophage in the context of bacterial genetics. Specifically, isolate the K1 bacteriophage and then isolate mutant E. coli bacteria which are resistant to the K1 phage, using procedures previously performed in this lab class. This project will be an extension of previously learned lab techniques, deepening understanding of the field of bacterial genetics. Upon completion of this project, students create a written reflection of the work, explaining the relationship to the course learning objectives and the specific ways in which it broadened their knowledge, and meet with Dr. T to discuss.

Neurobiology

Students will need to lead a 20-30 min journal club style presentation with an article related to topics in neurobiology. The article should not be a review or letter, but a manuscript that reports new primary data (often labeled "Research Article" in scientific journals). Students will also need to attend two research seminars at ASU or the great Phoenix area during the semester by Nov. 27th. Students verify attendance by uploading a selfie from the seminar and submitting a one-page summary to the course Canvas site.

General Biology I

Read and analyze the book, "The Ghost Map: The Story of London's Most Terrifying Epidemic and How it Changed Science, Cities and the Modern World." Once finished, write a two-page, single spaced paper to report on learning. Following this, create an art piece inspired by the book or a 10- minute informational YouTube video about it. Introduction to Fluid Mechanics Create six different paper airplanes, three unique models, and two different sizes for each model. Test their flight and record their flight time and distance covered. Perform dimensional analysis on the flight of a paper airplane by identifying the relevant variables and constants and finding the Pi-groups. Then using the Pi-groups, create relevant graphs and diagrams

showing the relationship between dimensional and nondimensional groups and how the scaling impacts the pi groups. Present all results in a final report answering all relevant questions.

Introduction to Theoretical Computer Science

(Group contract) This honors contract is a group project studying an advanced topic in theoretical computer science not covered in the standard course. Specifically, the group will self-study Decidability of Logical Theories. Near the end of the semester, the group will co-present a 30-minute lecture to Prof. D on this topic and will submit solutions to a problem set focusing on this extra material.

Abnormal Psychology/Psychological Disorders

Design an educational outreach project that addresses a topic of your choosing that is covered in the course. You may use your creativity to utilize one or more mediums to share your project. The project should include the following components:

- Identifies a specific topic or disorder covered in the course
- Provides an overview of the topic/disorder
- Includes at least 3-4 peer-reviewed references
- Includes information/conversation/imagery to help humanize the topic/disorder
- Addresses one or more issues related to the topic/disorder
- Provides suggestions/resources in relation to the topic/disorder

Sustainable Urban Dynamics

Project to submit photos of urban spaces that create a more sustainable city environment. Students will create a photo journal that will capture a variety of events and community engagement spaces across the Phoenix metropolitan area. The photos will represent how community engagement is an important aspect of sustainable urban dynamics, reflecting on current and historical issues these events have addressed.

Social Justice & US Social Welfare in the US

Description: After reading *The New Jim Crow* by Michelle Alexander, write a paper that summarizes the book and reflects students' own thoughts, emotions, and experiences. The minimum number of pages should not be set, but rather evaluated on how satisfactory this paper is at connecting Alexander's arguments to the student's own reactions.

Russian History: Stalin to Putin

Student will create competing propaganda posters for three different moments of the war. Each moment will have multiple propaganda posters for each side. Alongside the art, the student will include a short writeup with research and a bibliography.

Persuasive Writing on Public Issues

You are a journalist for a reputable and widely read magazine (you specify the magazine). Your editor has assigned you a feature-length article looking into a topic that has interested the public and sparked a lot of discussion and curiosity. Since the readership of your magazine might include those who know little about the topic, you need to give a bit of background context for the article as well as discuss the current views, developments, and perspectives on this topic, noting any possible future developments or up-and-coming issues. Your goal is to leave your reader feeling both informed about the present state of things and persuaded to take an interest in and feel supportive for what might come next.

Gender and Communication

Student will create a survey with a list of questions related to future career goals and life interests for graduating biomedical engineering students. The goal of this survey is to understand how gender might influence the way people perceive their future in this industry or their career at large. There will be a written report due at the end of this semester to present the survey findings and an interpretation of the results.

Philosophy of Mind

Student will create a presentation and a following Q&A regarding the subject matter of whether AI can be conscious based on its foundation principles. The presentation will be based on the works of philosophers David Chalmers and Patrick Butlin.

Methods & Materials for Teaching Music

Description: At the end of the semester, the regular class will complete a music and arts integration assignment that has us detail a lesson plan that follows one of the core subjects and implements a musical component. Along with this final project, as the honors contract the student will create 3 other lesson plans from the core subjects, for a total of 4 lesson plans that integrate music into each core content area: math, english, social studies and science.