## ER 58 Class Schedule – Fall 2012

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20/20 Challenge | ER58 | A | 10 Weeks | Yarrow
---|---|---|---|---
Instructor(s): Berta Guillen

Our class will be participating in the 20/20 Challenge which includes partnering with two schools, one in the Dominican Republic and another Tennessee to examine the issue of biodiversity and ecosystem losses. You will be examining how this issue exists in our own backyard of Colorado and Rocky Mountain National Park while also comparing and contrasting it to these two other communities. You will gain a deeper understanding of how other communities are addressing this issue and also create and implement an Action Plan to address it. Be prepared to think critically, remain open to ways other cultures address this same issue and share your thoughts on how our approach is unique to where we live.

Power Standard Course: Yes
Distribution Requirement: Engaged Global Citizen
Required Experience(s):

Traditional Disciplines: Government/Civics

Fibers Workshop | ER58 | A | 10 Weeks | Chroma
---|---|---|---|---
Instructor(s): Cindy Elkins

Create one of a kind wearable or decorative fabric art. Learn techniques such as batik, (painting with wax and dye), silk painting, weaving, and sewing. Discover how colors are mixed and used in a variety of processes. Examine how color, symbolism, available materials, and clothing styles have influenced cultures throughout history. Start the morning off by expressing yourself and learning skills in fibers while connecting to historical ideas of status through clothing.

Power Standard Course: No
Distribution Requirement: Effective Communication
Required Experience(s):

Traditional Disciplines: Visual Art

Pit & Pendulum | ER58 | A | 10 Weeks | Shooting Star
---|---|---|---|---
Instructor(s): Karen Ikegami

This is an introductory course into statistics. Use basic statistics to help solve a mystery presented in Edgar Allan Poe's "The Pit and the Pendulum" essay, then go on to solve a mystery of your own choosing! You will get a lot of hands-on experience with data collection and analysis, then you will put all of this experience to use when you design, run, analyze, and present your own project.

Power Standard Course: No
Distribution Requirement: Expanding Knowledge Base
Required Experience(s):

Traditional Disciplines: Math: Statistics
Learning Spanish

**Instructor(s):** Jonna Book

Start learning Spanish while gaining insight into the lives of Spanish-speaking people, land and cultures. In this class you'll begin to speak and communicate in basic Spanish by learning vocabulary and grammar through Organic Language Acquisition “OLA”, activities, games, role-playing scenarios, memorization, and more. Not only will you learn how to communicate in basic Spanish, you’ll also dive into the Spanish-speaking world through captivating videos, interesting literature, interviews, guest speakers, and more. This class will provide a great introduction to novice Spanish and should be taken by those who want to learn the very basics of the Spanish language.

**Power Standard Course:** No
**Distribution Requirement:** Effective Communication
**Credit(s):** 1

**Traditional Disciplines:** World Language: Spanish

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Eagle Rock The Vote!

**Instructor(s):** Berta Guillen

It’s that time again students- election year. I know what you might be thinking- who cares? What difference does it make. I can't vote - I'm not eighteen. I HATE politics! Well, I have great news for you…you CAN vote!! You don’t have to be eighteen or even like politics. This course will have you organizing school-wide political campaigns, participating in election rallies, meeting people from a wide spectrum of political beliefs all while learning about our voting history and electoral process. So join us and lets (Eagle) Rock the Vote!

**Power Standard Course:** No
**Distribution Requirement:** Leadership For Justice
**Credit(s):** 1

**Traditional Disciplines:** Government/Civics

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Math & Social Justice

**Instructor(s):** Karen Ikegami

If we're all created equal, why are things so UN-equal? In this class, we'll be using data to analyze the distribution of wealth and power in America. You'll improve your analyzing skills by trying to make meaning of graphs and raw data. You'll learn how to interpret data and present your findings to others in a way that they can make sense of. Your final project will be to bring light to an issue on campus or in your community and present it to the ERS community.

**Power Standard Course:** No
**Distribution Requirement:** Engaged Global Citizen
**Credit(s):** 1

**Traditional Disciplines:** Math: Statistics History: US
## Outdoor Leadership III

**Instructor(s):** Jon Anderson  
Jesse Beightol

Are you interested in both the outdoors and what it means to be a leader? Do you have interest in possibly pursuing a career in the outdoors? In the Outdoor Leadership class you will plan a class trip to Utah (that's right your Explore Week will be spent in the canyons of Utah!). You will also have the opportunity to earn the Leadership for Justice power standard by examining your individual strengths, learning about different leadership styles, and creating an equitable and just action plan that addresses a need in the community.

- **Power Standard Course:** Yes  
- **Distribution Requirement:** Leadership For Justice  
- **Credit(s):** 1

### Quick Draw, Paint!

**Instructor(s):** Cindy Elkins

Learn techniques that will help you develop your style of drawing and painting. Explore different art mediums from paint pens to water color. Learn how to use proportion, grids, perspective, the elements of art and principles of design to get the results you strive for in your art.

- **Power Standard Course:** No
- **Distribution Requirement:** Effective Communication  
- **Credit(s):** 1

### Art of Observation

**Instructor(s):** Janet Johnson  
Beth Ellis

This is a biology and art class in which we will study both flowering and non-flowering plants. We will learn about the relationship between the the parts of the plants and how they function by observing and drawing them. In addition, we will analyze this relationship by exploring and applying the idea of biological evolution to how form and function are related in plants. For the final project you will get to create a piece of biological art which demonstrates your ability to draw what you see, as well as your understanding of how form and function are related in plants.

- **Power Standard Course:** No
- **Distribution Requirement:** Expanding Knowledge Base  
- **Credit(s):** 2
### Researchism

**Instructor(s):** Holly Takashima

Racism. Capitalism. Anarchism. Communism. Feminism. These are some examples of the philosophical, political, and moral systems that rule our lives. In this class, we will investigate these systems through the Multi-genre Research Project on -isms. All topics will be directly related to an -ism of your choosing, will address diverse perspectives surrounding that -ism, and will be expressed through the writing of multiple genres.

**Power Standard Course:** Yes  
**Distribution Requirement:** Expanding Knowledge Base  
**Credit(s):** 2

**Required Experience(s):**

**Traditional Disciplines:** English

### The Hero's Journey

**Instructor(s):** John Guffey

This course will explore how service can be used as a tool for social and environmental justice applied to career development and social entrepreneurship. You will participate in a service project each week, digging deep into issues related to individual and community needs and ways you can address them. You will explore the root causes of these issues and learn how different local and national government policies affect the community. You will learn that service can change your sense of self and expand your awareness of those with whom you interact in society. In order to earn credit, you will participate in the weekly service activities, contribute to discussions, complete journal entries, and plan and co-facilitate the 8th grade boys career fair in Estes Park on February 20, 2013.

**Power Standard Course:** Yes  
**Distribution Requirement:** Engaged Global Citizen  
**Credit(s):** 2

**Required Experience(s):**  
**Traditional Disciplines:** Science: Biology  Economics  Government/Civics

You must be in your 4th or later trimester to earn the philosophy of service credit.

### Science of Swimming

**Instructor(s):** Kirstin Sizemore

Want to work out your entire body? Want to exercise with out putting impact on your bones? Want to work on your ability to be coached? Want to work more effectively in groups? Want to improve your cardiovascular endurance and know how your lungs and your heart work together to keep you healthy? Always been curious about how the body works? Want to avoid chronic diseases like diabetes, heart disease & cancer in your future? This class is for YOU! We will do swimming work outs daily and work on understanding what makes the human body thrive. We will use Total Immersion Swimming Techniques workouts everyday. The workouts are all adjusted to your individual ability so ANYONE can take this class. You will learn basic swimming techniques, and cardio like never before. If you want to PUSH yourself join us in the HPC!

**Power Standard Course:** Yes  
**Distribution Requirement:** Creating Healthy Life Choices  
**Credit(s):** 2

**Required Experience(s):**

**Traditional Disciplines:** Physical Education  Science: Biology
### 21st Century Japan
**Instructor(s):** Jonna Book

What makes up modern day Japan? What influence does pop culture have on Japan today? How has the triple tragedy impacted Japan and the world? In this course we will explore these questions and others by studying the immediate and long-term impact of 3-11; the response to this event; and the trends of Japanese culture and pop culture today. We will dive into these themes through media, literature, articles, film, guest speakers and more. By examining Japan through various perspectives, you will gain a rich picture of Japan in the 21st century. This class will guide you in exploring and learning about the Japan of today.

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<tbody>
<tr>
<td>Distribution Requirement:</td>
<td>Engaged Global Citizen</td>
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<tr>
<td>Required Experience(s):</td>
<td>Credit(s): 1</td>
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<td>Traditional Disciplines:</td>
<td>English</td>
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### Astronomy
**Instructor(s):** Karen Ikegami

Explore universe formation, galaxy formation, and star formation and learn about the common forces applied throughout the universe! In this astronomy course, we will cover everything from the physic of planet and star formation to the chemistry of the universe. We will use a combination of investigation, discussion and night sky observation to gain a better understanding of the universe we live in. We will also compare the composition of stars, planets and Earthly objects in order to gain a better understanding of the properties of matter.

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<td>Expanding Knowledge Base</td>
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<tr>
<td>Required Experience(s):</td>
<td>Credit(s): 1</td>
</tr>
<tr>
<td>Traditional Disciplines:</td>
<td>Science: Earth</td>
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### Classy Glass
**Instructor(s):** Cindy Elkins

What can sparkle like a diamond, cut like a knife, and be a fun challenging art medium? If you said glass you are right! Explore the colorful versatile aesthetics of art glass. Melt it, break it, paint it, solder it to make a window; discover how classy glass really is.

<table>
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<tbody>
<tr>
<td>Distribution Requirement:</td>
<td>Effective Communication</td>
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<tr>
<td>Required Experience(s):</td>
<td>Credit(s): 1</td>
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<tr>
<td>Traditional Disciplines:</td>
<td>Visual Art</td>
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**LifeSkills**  
**Instructor(s):** Denise Lord, Laura Nolan

After graduating from Eagle Rock, where will you be living? What will you be doing? And, more importantly, how will you pay for everything? In this class you will imagine what your life might be like in the near future, and learn how to successfully and responsibly plan for that life. Topics covered will include: how to save money, manage bank accounts, create a budget and file a tax return. Come prepared to put in a high level of time and effort that will help set you up for success in your Life After Eagle Rock.

- **Power Standard Course:** No
- **Distribution Requirement:** Creating Healthy Life Choices  
- **Required Experience(s):** Life Skills Portfolio  
- **Credit(s):** 1

**Traditional Disciplines:** Economics  
Successful completion of the simulation is required to earn credit and will be completed outside of class during the 2nd 5 weeks of the trimester.

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**Riverwatch**  
**Instructor(s):** Jon Anderson, Janet Johnson

Do you know what makes a river healthy? Are you interested in learning how to fly-fish? In this class we will explore rivers and their health while engaging in the art of fly-fishing. We will collect water samples of the Big Thompson River, and then analyze their health through water quality testing back at Eagle Rock. Our data will then be used by both the Division of Wildlife and the Big Thompson Watershed Forum to develop and maintain water quality standards. Students interested in this class will be expected to be outside 2-3 days a week for fly fishing and river water collection.

- **Power Standard Course:** No
- **Distribution Requirement:** Creating Healthy Life Choices  
- **Required Experience(s):**  
- **Credit(s):** 1

**Traditional Disciplines:** Science: Chemistry  
Physical Education

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**Voices in Your Head**  
**Instructor(s):** Isaac Leslie

Want to learn how to read music fluently? Want to get better at singing? By the end of this class you will be able to read music and hear it in your head even before it has been played. This is a rigorous class focused on music theory, ear training, and vocal technique. Beginning and advanced vocalists and instrumentalists are encouraged to take this course. You will use the Berklee PULSE music method, sing with a group, and perform for an audience.

- **Power Standard Course:** No
- **Distribution Requirement:** Effective Communication  
- **Required Experience(s):**  
- **Credit(s):** 1

**Traditional Disciplines:** Music
## Community Problem Solving

**Instructor(s):** Isaac Leslie

Mobilize youth and adults to change your community. In this class you will learn organizing, facilitating, and presentation techniques. We will visit organizations in Colorado to gather ideas about how young people are taking action on issues important to their lives. You will film and edit video to capture, analyze, and reflect on how to make change. Some students will have the opportunity to travel to Vermont for training and to present at a conference about youth voice in education.

**Power Standard Course:** No  
**Distribution Requirement:** Leadership For Justice  
**Credit(s):** 1  
**Required Experience(s):**  
**Traditional Disciplines:** Government/Civics

## Exploring Portuguese

**Instructor(s):** Jonna Book

Explore the Portuguese language while gaining insights into its people, land and cultures. In this class you’ll build or expand on Portuguese through fun activities, conversations, reading, games, role-playing scenarios, and more. You’ll also learn about the Portuguese-speaking world through captivating videos, interesting literature, authentic food and guest speakers. Prepare to open up your mind, not only to the Portuguese language, but also to another way of seeing the world. This class is open to both students who are new to Portuguese and those who have taken Portuguese previously.

**Power Standard Course:** No  
**Distribution Requirement:** Effective Communication  
**Credit(s):** 1  
**Required Experience(s):**  
**Traditional Disciplines:** World Language: Other

## From Dust til' Done

**Instructor(s):** Cindy Elkins

Clay is the art medium that you will use to earn a power standard in effective communication. Hand building and Potter's wheel skills developed over the course will allow you to express what is important to you to a selected audience. Make functional dishes and sculptural ceramic art.

**Power Standard Course:** Yes  
**Distribution Requirement:** Effective Communication  
**Credit(s):** 1  
**Required Experience(s):**  
**Traditional Disciplines:** Visual Art
Geographies of Religion  
Instructor(s): Berta Guillen

While Christianity is practiced in several countries across the globe, the way it varies from place to place. The same is true of other religions. We will focus on concepts of geography and you will apply them to a religion of your choice. Come with an open mind to explore the sensitivities and complexities of religion and their physical and cultural imprints on the environment. We will be taking field trips to various sacred spaces in order to explore this relationship.

- **Power Standard Course**: No
- **Distribution Requirement**: Engaged Global Citizen  Credit(s): 1
- **Required Experience(s)**: 
- **Traditional Disciplines**: Geography  History: World

Profile Writing  
Instructor(s): Holly Takashima

Everyone’s got a story to tell. In this class, we will learn some of those stories through the process of writing profiles of people in our community. We will read and analyze a wide range of profile pieces. You will choose one person to be the subject of your profile, whom you will interview and observe on multiple occasions. We will learn how to turn the raw material of our interview notes into a finished piece. Through heavy revision and careful editing, we will produce pieces that honestly reveal feelings, expose attitudes, and capture the habits, mannerisms, and voice of our subject. Be prepared to read, write, give and receive feedback everyday. Also be prepared to spend a significant amount of time outside of class interviewing and observing your profile subject. Expect to become a better reader, writer, and thinker.

- **Power Standard Course**: No
- **Distribution Requirement**: Effective Communication  Credit(s): 1
- **Required Experience(s)**: 
- **Traditional Disciplines**: English

Science of Cooking  
Instructor(s): Janet Johnson

This is a science class in which we will study the chemical and biological changes that food undergoes when it is cooked and processed. We will learn how cooks use techniques such as browning, kneading, emulsifying, and fermenting to create different types of dishes. We will also investigate how these techniques are used in the movement of molecular gastronomy. Throughout the class we will put our knowledge to the test by creating dishes using these techniques and analyzing the results using the science we’ve learned.

- **Power Standard Course**: No
- **Distribution Requirement**: Expanding Knowledge Base  Credit(s): 1
- **Required Experience(s)**: 
- **Traditional Disciplines**: Science: Chemistry  Science: Biology
### The Importance of Groups

**Instructor(s):** Jon Anderson

Eagle Rock School is all about groups. KP teams, house/wing teams, classes, intramural teams, and many others are important experiences that we all share. So why not understand them better? In this class we'll study group dynamics and how to effectively use group skills. The class will also allow you to BEGIN your Leadership for Justice power standard portfolio. Be prepared to be active as we will use group initiatives to learn about the dynamics of the groups we lead and are involved in.

**Power Standard Course:** No  
**Distribution Requirement:** Leadership For Justice  
**Credit(s):** 1  
**Required Experience(s):**  
**Traditional Disciplines:** Physical Education, Government/Civics

### Wilderness ER 58

**Instructor(s):** Jesse Beightol, Marya Washburn

The new student wilderness experience begins with ERS 101, Show Me the Love, Wilderness Prep, and Evening Gathering during the first week on campus. These classes serve as an orientation to the school and the wilderness experience. This week is followed by a 24-day wilderness expedition including camping, backpacking, leadership, teamwork, navigation/map reading, conflict resolution, and communication skills. The expedition also includes a 72 hour solo, service learning project (trail-building & trail maintenance), and concludes with a 5 mile marathon. Upon return to campus, students present a 5 minute Wilderness Presentation of Learning and complete any obligations not taken care of during the wilderness experience.

**Power Standard Course:** No  
**Distribution Requirement:** Creating Healthy Life Choices  
**Credit(s):** 1  
**Required Experience(s):** New Student Wilderness Experience  
**Traditional Disciplines:** Physical Education, English