

COURSES

ER 53 Class Schedule – Winter 2011

Period A 10 Weeks	Period B 10 Weeks	Period C 10 Weeks	Period D 10 Weeks	Period D First 5 Weeks	Period D Second 5 Weeks
Lakota Language and Culture EGC PS <i>John, Kari</i>	Lifeguarding <i>Kirstin, Marq</i>	P2 Photography and Poetry EC PS <i>Cindy, Laura</i>	Eagle Rock Cares LFJ PS <i>John G., Kari L.</i>	“Modern” Art Seminar <i>Cindy, Laura</i>	Rocky Mountain National Park & Climate Change <i>Jon A., Jesse B.</i>
You Are What You Eat MHLC PS <i>Janet, Andrew</i>	Feeling Lucky <i>Karen, Benjamin</i>	Redefining Research EKB PS <i>Dave, Beth, and Ashley</i>	Science of Fitness MHLC PS <i>Jeff, Marq</i>	Winter Ecology and Skiing <i>Jon A., Janet, Andrew</i>	Gonzo Journalism <i>Dave, Zev</i>
Math4Life <i>Denise, Benjamin & Gwen</i>	Holocaust & Human Behavior EGC PS <i>Berta, Zev</i>		Digital Music EC PS <i>Jon B., Ike</i>	The Math of Knitting and Crocheting <i>Karen, Benjamin, Beth</i>	Science of Cooking <i>Janet, Andrew</i>
Leadership 202 LFJ PS <i>Kirstin, Laura</i>	Spanish: Oh the Places You'll Go! <i>Jonna</i>			Women's Voices in Latin America <i>Jonna</i>	Star Search <i>Karen, Benjamin</i>
The Power of One <i>Berta, Zev</i>	Improvisation <i>Jon B., Ike</i>				911 <i>Berta, Ashley, Jonna</i>



Lakota Culture and Language	ER53	A • 10 Weeks	Lichen
Instructor(s): John Guffey			
Fellow(s): Kari Liotta			
<p>Culture and language are at the heart of a people's identity and way of life. Through the study of Lakota culture and language, this course will prepare students to interact positively and productively with Lakota youth in a service-learning experience on the Pine Ridge Reservation. We will also address the relationship of indigenous people and the invaders who have stolen their land, livelihood and spirit by comparing Pine Ridge Reservation with the country of Bolivia to see how this relationship is being played out in two very different situations. A requirement of the course is that students participate in the Pine Ridge trip during Explore Week.</p>			
Power Standard Course: Yes Engaged Global Citizen			
Distribution Requirement: Engaged Global Citizen	Credit(s): 1		Credit(s):
Required Experience(s): Public Service Presentation	Service Project and Reflection		
Traditional Disciplines: Geography History: US English			

You are What You Eat	ER53	A • 10 Weeks	Science Lab
Instructor(s): Janet Johnson			
Fellow(s): Andrew Nimmer			
<p>By examining what we eat, we will learn how the foods we consume impact our daily and long-term health. We will chart our food choices, discover what nutrition those choices offer us, and then make predictions about our future health based on our choices. In addition we will examine how our energy levels change depending on what we choose to eat. Sign up and figure out how what's for dinner now will impact your health later.</p>			
Power Standard Course: Yes Creating Healthy Life Choices			
Distribution Requirement: Creating Healthy Life Choices	Credit(s): 1		Credit(s):
Required Experience(s):			
Traditional Disciplines: Science: Biology			

Math4Life	ER53	A • 10 Weeks	Shooting Star
Instructor(s): Denise Lord			
Fellow(s): Gwen Cagle Benjamin Walker			
<p>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 math can help you 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.</p>			
Power Standard Course: No			
Distribution Requirement: Creating Healthy Life Choices	Credit(s): 1		Credit(s):
Required Experience(s): Life Skills Portfolio			
Traditional Disciplines: Math: Algebra Economics			



Leadership 202	ER53	A • 10 Weeks	Anemone
<p>Instructor(s): Kirstin Sizemore Fellow(s): Laura Nelms</p> <p>Do you want to be able to make positive changes here on campus? In your wings? In your classes? At home? Here's your chance to gain and improve upon your leadership skills. In this class you will have the opportunity to figure out your strengths and find your leadership style. We will be studying significant leaders throughout history as well as leaders in our community through research and observation. We will be learning about several different kinds of leadership styles and skills. You will then have the opportunity to practice these different skills by creating a proposal and working to create a student discipline process on campus and then reflecting upon the experience. These skills will be able to help you throughout your Eagle Rock career and beyond. Take this chance to really figure out how to best utilize your strengths and be able to positively influence people around you.</p> <p>Power Standard Course: Yes Leadership For Justice Distribution Requirement: Leadership For Justice Credit(s): 1 Credit(s): Required Experience(s):</p> <p>Traditional Disciplines: English History: US History: World</p>			

The Power of One	ER53	A • 10 Weeks	Yarrow
<p>Instructor(s): Berta Guillen Fellow(s): Zev Vernon-Lapow</p> <p>Using Bryce Courtenay's classic coming-of-age story The Power of One as a unifying theme, students will explore African history, race, and the process of personal growth and becoming a leader. In the African history portion of our course, we will survey African history, with an emphasis in Colonization. Our history will include contemporary events, such as genocide in Darfur, civil war, and the Truth and Reconciliation councils or South Africa. In our discussion of race, we will examine race in our classroom, our community, and in the world. This discussion of race will include an examination of how race is socially created, guided by the distinctions between the Boers and Affrikaners in South Africa. In leadership we will study what it takes to overcome oppression, find your voice and inspire action.</p> <p>Power Standard Course: No Distribution Requirement: Leadership For Justice Credit(s): 1 Credit(s): Required Experience(s):</p> <p>Traditional Disciplines: History: World English Geography</p>			

Lifeguarding	ER53	B • 10 Weeks	Pool/Dojo
<p>Instructor(s): Kirstin Sizemore Fellow(s): Marq Agboyani</p> <p>Have you ever wanted to be a stronger swimmer? Do you ever think of the possibility of feeling comfortable enough in the water that you could assist someone in need, or help prevent an accident from ever occurring? In this class you'll have an opportunity to strengthen your skills and ability in the water, while also exploring the knowledge required to rescue someone in danger. Opportunities exist for everyone in the class to work towards certification by the American Red Cross in Lifeguarding, First Aid, and CPR. There is NO previous swimming experience required to be in the class; no matter what you perceive your ability to be right now, you CAN become a lifeguard!</p> <p>Power Standard Course: No Distribution Requirement: Creating Healthy Life Choices Credit(s): 1 Credit(s): Required Experience(s):</p> <p>Traditional Disciplines: Physical Education</p>			





Feeling Lucky? ER53 B • 10 Weeks Shooting Star

Instructor(s): Karen Ikegami
Fellow(s): Benjamin Walker

If the casino always wins, why do people gamble? Why are more and more states legalizing gambling? Is there a best way to play roulette, blackjack, and craps? What is gambling addiction? Wrestle with these questions and many more as we examine the mathematics of gambling and consider the implications for ourselves, and our communities. In class, we will gamble, read and discuss gambling issues, and consider whether or not gambling is worth it. This course, based in the casino world, will help you practice making calculated decisions. As we study the mathematics of games we will learn about the world of gaming and its social impacts. In class, we will gamble, discuss real life decisions that need to be made, and create casino-style games to host a casino night for the Eagle Rock community!

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Math: Statistics

Holocaust & Human Behavior ER53 B • 10 Weeks Yarrow

Instructor(s): Berta Guillen
Fellow(s): Zev Vernon-Lapow

Events in history are shaped by choices. Choices are made by people. Yet, many people in history are so oppressed that their voices are never heard. In this course, you will examine the realities of life for Jews before, during and after the Holocaust. You will use history to ground your understanding of why this happened and what legacy this event had on the World afterwards. Then, we will discuss how the choices of yesterday are repeated in the events of today through the study of genocide. This class will take you on a journey of self reflection and place you at the center of world events.

Power Standard Course: Yes Engaged Global Citizen

Distribution Requirement: Engaged Global Citizen

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: History: World Geography

Spanish: Oh, the places you will go ER53 B • 10 Weeks Cinquefoil

Instructor(s): Jonna Book
Fellow(s): Jeanine C

Oh, the places you will go! In this Spanish class gain your "Engaged Global Citizen" distribution requirement while traveling figuratively to 5 different countries. Every 2 weeks you will be immersed in the countries' food, phrases, traditions and literature. In this class you will gain an appreciation of how unique language can be and will utilize your new vocabulary to connect with classmates and new cultures across the seas. Are you ready for the journey? Come aboard.

Power Standard Course: No

Distribution Requirement: Engaged Global Citizen

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: World Language: Spanish



Improvisation	ER53	B • 10 Weeks	School House
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Instructor(s): Jon Borodach

Fellow(s): Ike Leslie

We are constantly thrown curve balls, and we need to be able to think on our feet to respond to them. This is improvisation. In this course, you will practice the art of improvisation – thinking of new ideas and communicating them on the spot – with music. The class will perform live music daily in a music circle or cipher. Each student will participate in the music circle, with hand drums or other instruments, while the soloist improvises. In addition, you will choose two means of improvisation to focus on in the course – playing an instrument, rapping, scatting (singing on nonsense syllables), etc. Any type of improvisation, even stand-up comedy, is appropriate, as long as it involves interaction with the music circle and the audience. The class will perform for the community. You will learn to apply the skills involved with improvising – namely public speaking/performance, organizing coherent thoughts on the spot, arguing productively, cooperating with a team, and effectively communicating with an audience – to new situations in everyday life.

Power Standard Course: No

Distribution Requirement: Effective Communication

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Music

P2 Photography and Poetry	ER53	C • 10 Weeks	Chroma
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Instructor(s): Cindy Elkins

Fellow(s): Laura Nelms

Photography and writing poetry come together creating a dynamic duo of opportunities for effective communication. Earn a power standard and distribution credit working in the dark room to develop your own black and white film. Use film and digital cameras to understand how to manipulate light to create strong compositions. Write everyday and learn about different styles of poetry.

Power Standard Course: Yes Effective Communication

Distribution Requirement: Effective Communication

Credit(s): 2

Credit(s):

Required Experience(s):

Traditional Disciplines: Visual Art English

Redefining Research	ER53	C • 10 Weeks	Sage
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Instructor(s): Dave Manzella Beth Ellis

Fellow(s): Ashley Davidson

Does the thought of writing a 10-page research paper make you break out in a cold sweat? During this 10 week course, we will redefine Major Research and complete the Expanding Knowledge Base Power Standard. Instead of approaching your research topic from a single point-of-view, you will create a multi-genre project that will encompass several different perspectives.

Power Standard Course: Yes Expanding Knowledge Base

Distribution Requirement: Expanding Knowledge Base

Credit(s): 2

Credit(s):

Required Experience(s):

Traditional Disciplines: English



Eagle Rock Cares	ER53	D • 10 Weeks	Lichen
Instructor(s): John Guffey			
Fellow(s): Kari Liotta			
Practice local activism! Study and pursue leadership for social change with a focus on service and civic engagement at the local level. Participate in an internship with a non-profit organization, government agency or business committed to youth voice, civic engagement and service learning. Learn from professionals about how they bring change, organize and manage projects, and handle issues that matter in their line of work. Be part of a team that researches a community issue, prepares a proposal and presents it for review and response by an appropriate audience.			
Power Standard Course: Yes Leadership For Justice			
Distribution Requirement: Leadership For Justice		Credit(s): 2	Credit(s):
Required Experience(s): Public Service Presentation		Service Project and Reflection	
Traditional Disciplines: Government/Civics Economics English			
Public Service Presentation credit is earned by a proficient performance of an 8-10 minute presentation before an audience including people from outside the Eagle Rock community.			

Science of Fitness	ER53	D • 10 Weeks	HPC Gym & Stage
Instructor(s): Jeff Liddle			
Fellow(s): Marq Agboyani			
Want to feel better doing any physical activity? Want to have more energy? Want to work on your ability to be coached under intense situations? Want to work more effectively in groups? Want to know how to maximize nutrition, rest, and exercise to become super fit? Always been curious about how the body works? Want to read and write about resilience & intensity? Want to avoid chronic diseases like diabetes, heart disease & cancer in your future? This class is for YOU! We will work out daily and work on understanding what makes the human body thrive. We will do prescribed workouts everyday. The workouts are all adjusted to your individual ability so ANYONE can take this class. You will learn olympic and power lifting techniques, body weight exercises, and cardio like never before. If you want to PUSH yourself join us in the HPC!			
Power Standard Course: Yes Creating Healthy Life Choices			
Distribution Requirement: Creating Healthy Life Choices		Credit(s): 2	Credit(s):
Required Experience(s): None			
Traditional Disciplines: Science: Biology Physical Education			

Digital Music Production	ER53	D • 10 Weeks	Kinnickinnick
Instructor(s): Jon Borodach			
Fellow(s): Ike Leslie			
This course is an introduction to digital audio production through the software Reason, Logic and Ableton Live. We will learn methods of using digital sound synthesizers, drum machines, equalizers and effects packages. We will also learn how to create dynamic multiple-track musical compositions using beats, loops, samples and live sound. You will present your compositions to the ERS community at the end of the trimester. You will have the opportunity to earn the Effective Communication power standard in this course.			
Power Standard Course: Yes Effective Communication			
Distribution Requirement: Effective Communication		Credit(s): 2	Credit(s):
Required Experience(s):			
Traditional Disciplines: Music			





"Modern Art" Seminar (1860-1970)	ER53	D • 1st 5 Weeks	Chroma/ LRC
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Instructor(s): Cindy Elkins

Fellow(s): Laura Nelms

Students will study great works and styles of Modern art (1860-1970) to create their own unique pieces based on the same techniques and ideas. We will not copy from the work of another but develop an understanding of the issues and beliefs of artists whose work is categorized as "Modern". Additionally, we will study how one movement of art built upon the one before and how history and culture influences art.

Power Standard Course: No

Distribution Requirement: Effective Communication

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: History: World Visual Art

Winter Ecology and Skiing	ER53	D • 1st 5 Weeks	Anemone
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Instructor(s): Jon Anderson Janet Johnson

Fellow(s): Andrew Nimmer

In this class we will study the ecological relationships that exist in Rocky Mountain National Park. We will also investigate the impact that humans are having on mountain ecosystems. We will telemark ski twice each week to investigate the mountain ecosystem. In particular, we will study the plants and animals who live there and how they are adapted to life in winter conditions. Students who sign up for this class should be prepared to be outside in winter conditions two times each week, to leave early on field days, and to get KP covers. We will be skiing in Rocky Mountain National Park as well as Eldora Ski area.

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 1

Credit(s):

Required Experience(s): None

Traditional Disciplines: Physical Education Science: Earth

The Math of Knitting and Crocheting	ER53	D • 1st 5 Weeks	Shooting Star
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Instructor(s): Karen Ikegami Beth Ellis

Fellow(s): Benjamin Walker

Students will learn the basics of knitting and crocheting by creating small projects such as scarves, hats, and mittens. They will then transfer these skills and design a group piece of fiber arts to be displayed on campus. Students will learn the math associated with how to read and create patterns and scale up or down their work.

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Math: Algebra





Women's Voices in Latin America	ER53	D • 1st 5 Weeks	Cinquefoil
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Instructor(s): Jonna Book

Fellow(s):

During this course we will study women's writing and cultural expression in Latin America. We will use various forms of written text to highlight the work of women in Latin America. These include but are not limited to: children's stories, short stories, novels, poetry, theater, song lyrics, film, current events and performance art. Discussions will be based on identity, relationships, race, culture, language, socio-economic status, spirituality, traditions, and sexuality. This class will allow you to study the role of Latina women over time, both in Latin America as well as in the U.S. While this course will be taught in English, students will have the opportunity to choose to read and write in Spanish.

Power Standard Course: No

Distribution Requirement:

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: English History: World Geography

Rocky Mountain National Park and Climate Change	ER53	D • 2nd 5 Weeks	Anemone
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Instructor(s): Jon Anderson Jesse Beightol

Fellow(s):

Throughout this course we will be citizen scientists examining change in Rocky Mountain National Park. The research we conduct will be done by using photo monitoring sites and will focus on the impact of elk on vegetation, climate change, and the ecological impacts of the Bear Lake road construction. As citizen scientists we will have the opportunity to do research alongside park scientists and researchers who are studying how the park is changing, and more importantly, how to best protect the plants and animals who are living there. Most of this class will be spent outside monitoring sites, taking digital pictures, and learning about the issues the park is facing.

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 1

Credit(s):

Required Experience(s): None

Traditional Disciplines: Science: Biology Physical Education

Gonzo Journalism	ER53	D • 2nd 5 Weeks	Sage
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Instructor(s): Dave Manzella

Fellow(s): Zev Vernon-Lapow

Journalism keeps us informed about the world around us. But where does it come from? How is it made? And what place does it have in our fast-paced digital reality? Students will learn about journalism by studying great articles about the world we live in. These articles will be supplemented by instruction in creating a story idea, researching, interviewing, writing headlines and hooks, and structuring articles. The course will culminate in the production of a student magazine.

Power Standard Course: No

Distribution Requirement: Effective Communication

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: English





Science of Cooking	ER53	D • 2nd 5 Weeks	Science Lab
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Instructor(s): Janet Johnson

Fellow(s): Andrew Nimmer

This is a science class in which we will study the physical, chemical and biological changes that food undergoes when it is cooked. We will learn how cooks use processes such as emulsions, pickling and fermentation to create dishes. Each week we will put our knowledge to the test in the kitchen and analyze the results. For the final project we will create and test annotated recipes that utilize one or more of the concepts studied during the course.

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Science: Chemistry

Star Search	ER53	D • 2nd 5 Weeks	Shooting Star
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Instructor(s): Karen Ikegami

Fellow(s): Benjamin Walker

Learn about the common forces applied throughout the universe by exploring universe formation, galaxy formation, and star formation! In this astronomy course, we will cover everything from the physics 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.

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: Science: Physics Science: Chemistry

911	ER53	D • 2nd 5 Weeks	Yarrow
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Instructor(s): Berta Guillen Jonna Book

Fellow(s): Ashley Davidson

In this course, we will examine multiple perspectives (i.e government policies, businesses, and religious communities) of 9/11, as well as understand how this event has affected the United States. In addition, this course will explore how 9/11 is remembered in literary works of our time, and how we as humans' process tragic events.

Power Standard Course: No

Distribution Requirement: Expanding Knowledge Base

Credit(s): 1

Credit(s):

Required Experience(s):

Traditional Disciplines: History: US English