

MASTER OF SCIENCE IN ENVIRONMENTAL POLICY AND MANAGEMENT



Orientation 2018



John Muir Institute

To access WiFi (all across campus) connect via Eduroam: https://itcatalog.ucdavis.edu/service/eduroam (instructions)

1–Welcome



Dr. Michael Springborn, Professor

Faculty Program Chair | Environmental Science & Policy

Dr. Damien Caillaud, Assistant Professor



Affiliated faculty | Anthropology

Dr. Mark Schwartz, Professor

Academic Adviser | Environmental Science & Policy



Dr. Benjamin Z. Houlton - Director of the John Muir Institute of the Environment



Dr. Eric Post, Professor

Affiliated faculty | Wildlife, Fish, & Conservation Biology



Dr. Gwen Arnold, Assistant Professor

Affiliated faculty | Environmental Science & Policy

1—Welcome



Jessica Penrose

Graduate Program Coordinator | Environmental Science & Policy ↓ <u>530-752-8318</u> | ✓ japenrose@ucdavis.edu | ⊕ <u>View Listing</u>



Diane Kruger

Chief Administrative Officer, Muir Institute



Sara L. Nichols

Associate Director of Strategic Initiatives, Muir Institute

2—John Muir Institute for theEnvironment Overview&

Environmental Careers

3—EPM Program Overview

- A. Degree Requirements
- B. Curriculum
- C. Four elements of the Comprehensive Exam
- D. Advising



3.A. Degree Requirements

<u>Complete</u>:

- Courses, minimum of 45 units (42 if accelerated)
 - Required courses (grade of B- or above)
 - ENV courses
 - Quantitative elective
 - Additional elective
- Four elements of the Comprehensive Exam

3.B. Curriculum

Other courses:

- quantitative analysis elective (3)
- elective (3 units)

ENV courses:

- 200A-C: environmental policy analysis course (12)
- 201: law (3)
- 202: management and administration (4)
- 203: policy clinic (8)
- 296: practicum (6 units)
- 297: professional development seminar (3; S/U only)

	Year 1				Year 2	
Fall	Winter	Spring	Summer	Fall	Winter	Spring
Analysis I (4) ENV 200A	Analysis II (4) ENV 200B	Analysis III (4) ENV 200C		Practicum (2)	Practicum (2)	Practicum (2)
Env. Admin. & Mngmnt (4) ENV 202	Environmental Law (3) ENV 201	Quantitative Analysis or Elective		Quantitative Analysis or Elective	Policy Clinic (4) ENV 203	Policy Clinic (4) ENV 203
Quantitative Analysis or Elective	Quantitative Analysis or Elective	Quantitative Analysis or Elective		Quantitative Analysis or Elective	Quantitative Analysis or Elective	Quantitative Analysis or Elective
Professional Development Seminar (1) ENV 297	Professional Development Seminar (1) ENV 297	Professional Development Seminar (1) ENV 297		Professional Development Seminar (1) ENV 297	Professional Development Seminar (1) ENV 297	Professional Development Seminar (1) ENV 297

Specializations

EPM specializations are optional and generally intended for those completing the program in 2 years. Upon completion the specialization will be listed next to the student's name on the EPM website.

Requirements:

- Complete 9 units of coursework in one of the specializations listed below (a minimum of 6 hours at the graduate level).
- Courses must be pre-approved with your Faculty Advisor to count towards the specialization.
- The required elective and required quantitative course cannot count towards the specialization.
 Students may obtain more than one specialization, however a course may count towards only one specialization.

Social Systems	Natural Systems	Quantitative Tools
Environmental & Resource Economics	Conservation Management	Geospatial Information Science
Politics & the Policy Process	Climate Change Science & Policy	Statistics & Data Analysis
City & Regional Planning	Water Resource Management	
Energy & Transportation Planning	Marine Resource Management	
	Food Systems & Sustainable Agriculture	

EPM Electives

https://epm.ucdavis.edu/epm-electives

∽> Hid	e fields	\Xi Filter 🖽 🖸	Group 🕌	†Sort ∎t …							
	Qtr	Dept. v	No. v	Title v	Description	Instructor v	Date 👻	Lect. time 🔹 👻	Lab/Disc. time 🔹	Specialization (In progress)	Notes v
1	Fall	ABT	150	Intro to GIS	Basic concepts, principles, and methods of GIS are	S. Greco	T R F	T R 3:10- 4:30PM	F 1:10-4:00PM	Geospatial Information Science	
2	Fall	ANT	298	Statistical Rethinking		ТВА				Statistics & Data Analysis	Winter, Spring & Fall
3	Fall	ANT	291	Human Behavior Ecology	Topically focused, critical discussion of current and	D. Caillaud		Monday 12:10- 1pm		Politics and the Policy Process	
4	Fall	ARE	223	Economics of Agriculture	Analytic treatment of the historical development and	D. Sumner	M W	12:10-2PM		Environmental and Resource Economics	
5	Fall	ARE	293	California Agriculture	Review and analysis of production, marketing and	R. Goodhue	W	12:10-1:30PM		Food Systems & Sustainable Agriculture	
6	Fall	ARE	130	Agricultural Markets	Nature, function, organizational structure and	T. Beatty	M W F	M W F 11:00- 11:50AM	M 5:10-6:00PM	Food Systems & Sustainable Agriculture	
7	Fall	ARE	202A	Introduction to Applied Research Methods	Study of philosophy and methodology of applied	T. Beatty	M W	4:10-5:30 PM		Environmental and Resource Economics	
8	Fall	ARE	222	International Agricultural Trade and Policy	Analysis of country interdependence through					Environmental and Resource Economics	
9	Fall	ARE	121	Econ of Ag Sustainability	Application of economic conepts to agro	D. Sumner	M W F	M 6:10-7:00PM	M W F 10:00- 10:50AM	Food Systems & Sustainable Agriculture	
10	Fall	ARE	231	Supply and Demand for Agricultural Products	Analysis of supply and demand for agricultural	A. Smith, T. Beatty	M W	2:10-3:30 PM	3:40-4:00PM	Environmental and Resource Economics/ Food Systems & Sustainable Agriculture	
11	Fall	ATM	115	Modern Climate Change	Factors that determine the Earth's climate, including					Climate Change Science & Policy	
12	Fall	ATM	245	Climate Change and Water	Integration of climate science and hydrology with policy t	P. Ullrich, G. Fogg, M. Lubell	M W	12:10-2PM		Climate Change Science & Policy	
13	Fall	BST	222	Survival Analysis	Incomplete data; life tables; nonparametric methods;	F. Hsieh				Statistics & Data Analysis	
14	Fall	CRD	241	Economics Community	Economic theories and	M. Kennev	Т	5:10-9:00PM		Citv & Regional Planning	

- Taking courses in the Law School and Graduate School of Management (see Jessica)
 - It's complicated...but doable and worthwhile.

Schedule Builder is an essential tool for exploring course options

Schedule	Builder	Add / Search Courses	Create New Schedule	Pre-Check Regist	ration	Register ALL	Help	Feedback	
ATTENTION! now.	Your WARNME	emergency contact informati	on has expired . Please g	go to the <u>UC Davis Wa</u>	arnme w	<u>ebsite</u> and update	your eme	ergency contact	information
Note: Courses are	subject to change. Stu	dents should verify course information of	n this site prior to registration and	attending classes.					
Add course by CR	N, Subject, or Title:	:							
env			SEARCH	1					
									Hide Results
CRN: S	ubj Course Sec:	Title:		Open / Waitlist:	Units:	Instruct	or(s):		
34037 E	ENV 200B 001	Environ Policy Evaluatn		20 / 0	4	M. Spr	ingborn		Save
	10:00 AM	- 11:50 AM	M,W	Lecture		Wickson Hall 212	24		Show Important Details
54604 E	ENV 201 001	Environmental Law		20 / 0	3	T. Win	sor		Save
	6:10 PM -	7:30 PM	M,W	Lecture		Wickson Hall 212	24		Show Important Details
34040 E	ENV 297 001	Prof Development Semina	ır	25 / 0	1	M. Sch	wartz		Save
	12:00 PM ·	- 1:20 PM	W	Seminar		Academic Surge	Bldg. null		Show Important Details

https://my.ucdavis.edu/schedulebuilder/index.cfm?sb

How many would be interested in a graduate student discussion section of this environmental law course?

ESP 161 MASTERS FALL 2018 DISCUSSION SECTION SYLLABUS

Discussion section: Thursday 6:10 to 7:00 p.m. **** Wickson

Course discussions through Midterm Exam

September 28, 2018

- Go over discussion presentation format, expectations for proposals for presentations.
- Go over how to brief a case.
- Q&A.

October 5, 2018

- Discuss assignment of presentations, any additional proposed topics for presentations.
- Be prepared to discuss the facts, issue(s), holding and rationale of *Leaf River Forest Products Inc. v. Ferguson* (Miss. 1995) 662 So.2d 648 (text pp. 47-53). Students will upload a case brief for this case to Canvas by 11:59 p.m. the day following this discussion.
- Q&A

3.C. Four elements of the Comprehensive Exam

- i. Practicum Proposal
- ii. Professional Development Plan

iii. Practicum Reportiv. Policy Clinic

Veen	Quantan	Pract	ticum	Policy	clinic	
Year	Quarter	summer	distributed	2 yr track	12 mo. track	other
1	Fall					
1	Winter				Policy Clinic (4)	
1	Spring	*Proposal			Policy Clinic (4)	*Professional Development Plan
	Summer	Practicum (6)	*Proposal			File application to advance to candidacy
2	Fall		Practicum (2)			
2	Winter		Practicum (2)	Policy Clinic (4)		
2	Spring		Practicum (2)	Policy Clinic (4)		
		*Re	port	-	erformance to CEC (by Ity lead)	

UCDAVIS A Box of useful stuff:

Log in

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Sign up

Download

EPM Student Forms and Reference Documents

	Name	Updated ~	Size	Details
	Example Professional Development Plans	Jul 27, 2018 by Jessica Penr	2 Files	
Å	Environmental Institutions in the Sacramento Region.pdf	Aug 23, 2018 by Jessica Pen	178.7 KB	Owner Jessica Penrose
	Professional Development Plan - Instructions.docx	Jul 26, 2018 by Jessica Penr	18.6 KB	Enterprise Owner UC Davis
	Practicum Proposal Instructions.docx	Jul 24, 2018 by Jessica Penr	20.4 KB	Created Mar 16, 2018, 7:11 AM
×	EPM Student Handbook.pdf	May 2, 2018 by Jessica Penr	194.8 KB	Modified Aug 23, 2018, 10:47 AM
L	Internship Approval Request for Academic Credit.pdf	May 2, 2018 by Jessica Penr	45 KB	Size
×	Internship & Career Center Presentation Spring 2018.pdf	Apr 17, 2018 by Jessica Pen	2.2 MB	4.1 MB

https://ucdavis.app.box.com/....



Box is a cloud-hosted data storage and collaboration service and tool for students, faculty, and staff. Box enables UC Davis affiliates the ability to share and access information from anywhere, at any time, and with any device.

Features/Benefits:

- Unlimited cloud storage for UC Davis faculty, staff and students.
- 15GB individual file size limit (individual files can be up to 15GB).

Get Started:

To sign-up for Box, login online at <u>ucdavis.box.com</u>.

Availability: 24/7

ailability:

3.D. Advising (+mentoring, +evaluation)

- Evaluation and feedback
 - Comprehensive Exam Committee (CEC)
 - Evaluates students on
 - practicum proposal
 - professional development plan
 - practicum report
 - policy clinic performance



Dr. Eric Post, Professor

Affiliated faculty | Wildlife, Fish, & Conservation Biology



Dr. Gwen Arnold, Assistant Professor

Affiliated faculty | Environmental Science & Policy



3.D. Advising (+mentoring, +evaluation)

- Advising resources
 - EPM graduate group (program) chair (Mike Springborn)
 - Program staff
 - Graduate program coordinator: Jessica
 - Faculty Advisor
 - Advising, mentoring and reviewing: courses, professional development plan, practicum proposal, practicum report
 - Students will seek a match --- see list based on specialization.

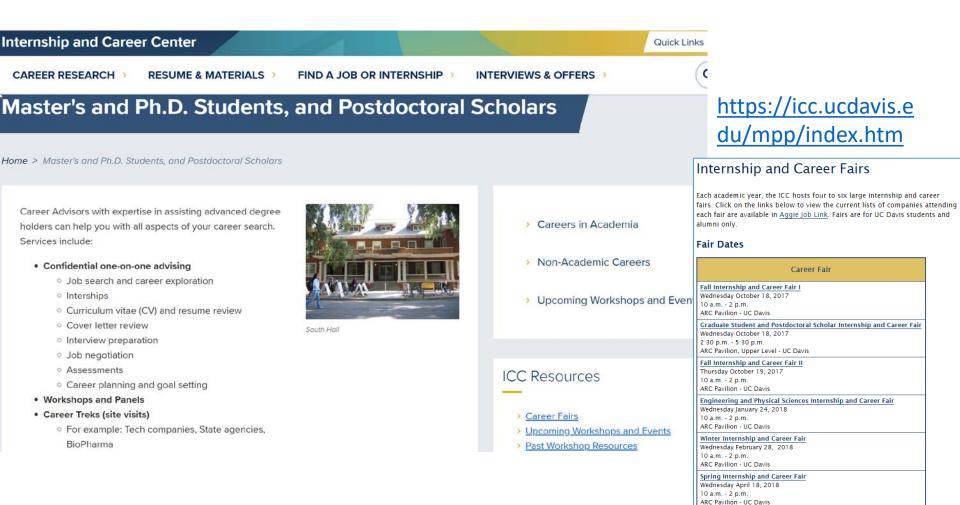
Practicum and other internships will come from:

- A. Your own active searching
- B. Emailed opportunities
- C. Suggestions from advisors/mentors

	COBAVIS			Log In
	EPM Student Forms and Reference Documents			Do
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/ *	K 🔎 Internship & Career Center Presentation Spring 2018.pdf	Apr 17, 2018 by Jessica Pen	2.2 MB	
	Environmental Institutions in t	he Sacramento Re	gion	
Private for-profit		<u>he Sacramento Re</u>	gion	
Private for-profit	:	<u>he Sacramento Re</u>	gion	
NGOs/nonprofits	:	<u>he Sacramento Re</u>	gion	
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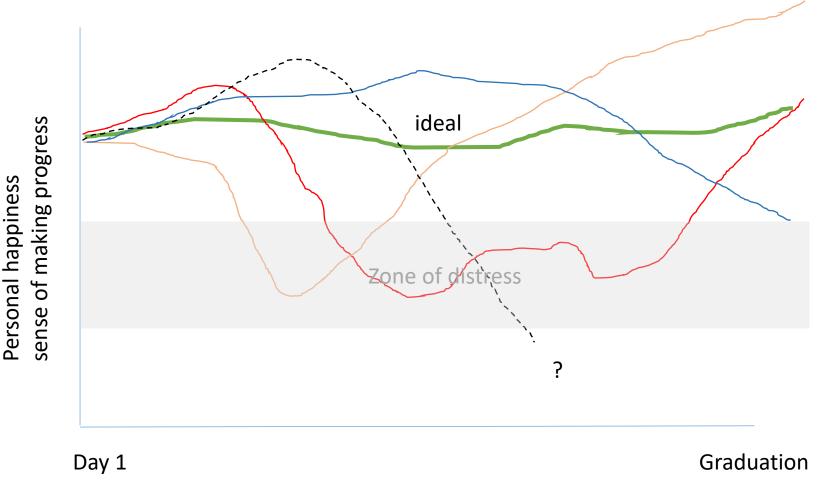
One In Three College Freshman Report Mental Health Disorder Symptoms, A New Study Says

By CAROLYN DE LORENZO | 4 days ago | f



2018. Journal of Abnormal Psychology. Global pattern. World Health Organization data. 19 colleges, 8 countries.

Resources for navigating challenges in the grad school experience



Getting and staying connected...

epm_students@ucdavis.edu

- email list serve for reaching all EPM students
- only works if you use your UCD address to send
- used for
 - professional purposes
 - social purposes
- please follow standard workplace norms for content

- To join the UCD Graduate Students FB group
 - Log in to Facebook
 - In search bar, look up "UC Davis Graduate Students" (it is the first option that populates)
 - Request to join the group by clicking on the "+Join Group" button.

Building a local community

- UC Davis has over 800 student clubs.
 - Csi.ucdavis.edu/find-astudent-org

Five reasons to get involved on campus

1. Fun.

- 2. Helps you find a niche on campus; build supportive relationships outside of class.
- 3. Provides academic support, preparation and 'handson' experience.
- 4. Teamwork and communication skills development opportunities.
- 5. Further campus traditions and address global issues.

Paraphrased from: https://csi.ucdavis.edu/find-a-student-org/

4—Resources for navigating challenges in the grad school experience

A progressive scale What to do *before* you hit a bump in the road. a) Peer to peer mentoring b) Graduate program coordinator c) Program advisors d) Program chair What to do when you hit a bump in the road e) all of the above f) Graduate Studies g) UCD Health Services

Day 1

sense of making progress

Personal happiness

Contact Information: professional and personal issues

Graduate Studies

- UCD Graduate and Professional Student Center
 - Ombudsman office: Susan Kee-Young Park
- UCD Student Health and Counseling Services.



About Graduate Studies

Our History

Our Mission, Vision & Core Values

A New Graduate and Professional Student Center

Plans are underway to repoyate historic Walker Hall into a new Graduate & Professional Student Center. The center will be a key element in supporting graduate student success at UC Davis and will be a gathering place that prompts collaborative discourse and a sense of scholarly community that is identified in the UC Davis Vision of Excellence.

UCDAVIS	
Student Health and	Counseling Services
About Medical Servi	es Counseling Services Wellness Services Insurance Reso
Home / Counseling Services / Individual	punseling
COUNSELING SERVICE	Individual Counseling
COUNSELING SERVICE	S Individual Counseling
	Cost: No Charge Access: By appointment only. Learn more about scheduling an appointment.
Urgent Care	Cost: No Charge
Urgent Care Individual Counseling	Cost: No Charge Access: By appointment only. Learn more about scheduling an appointment. Eligibility: All registered students. Location: North Hall
Urgent Care Individual Counseling Group Services	Cost: No Charge Access: By appointment only. Learn more about scheduling an appointment. Eligibility: All registered students.

professional will be made. Individual Counseling appointments are located at North Hall

Eating Disorder Services

5—Introduction to library services for research, teaching, GIS, and data.

- Vessela Ensberg | Data Management Program
- Alesia McManus | Environmental Sciences Librarian
- Michelle Tobias | GIS data curator

6—Professional development

EPM program expectations, student expectations, and employer expectations.

Building a team mentality

Working in The Barn

EPM program expectations

- EPM is *not* an extension of your undergraduate degree;
- EPM is not a research degree;
- EPM is not an academic exercise.
- Program Expectations
 - We will be working hard to help you develop the *knowledge, skills* and *networks* that you need to create a successful professional trajectory. We need to work as a team to make that succeed.
 - Consult with us to hone your professional goals;
 - Seek opportunities both within and outside of UCD;
 - Make the most of opportunities that UCD has to offer



Your Expectations,....

- Make sure that you:
 - Take ownership of your education
 - Set objectives for your time here and evaluate performance measures to determine if you are meeting your objectives.
 - Keep the program (Mike, Jessica, your advisor, the faculty) informed as to whether we are, or are not helping you meet your objectives.

EXPLORING ECOLOGICAL CAREERS

Greg Aplet The Wilderness Society, Denver, CO

onservation International Washington DC

isa Famolare

Ecological careers in nature-based non-governmental organizations

leffrey Corney The Wilderness Center, Wilmot, OH

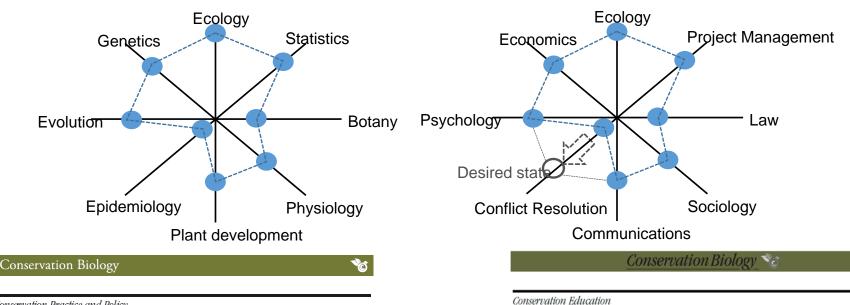
Mark W Schwartz

nwschwartz@ucdavis.edu)

University of California-Davis, Davis, CA

Professional Expectations

Employers seek professionals with some deep disciplinary knowledge and a broad array of skills.



Conservation Practice and Policy

Graduate Student's Guide to Necessary Skills for Nonacademic Conservation Careers

JESSICA L. BLICKLEY,*** KRISTY DEINER,* KELLY GARBACH,* IARA LACHER,* MARIAH H. MEEK,*†+†† LAUREN M. PORENSKY,* MARIT L. WILKERSON,* ERIC M. WINFORD,‡ AND MARK W. SCHWARTZ§

*Graduate Group in Ecology, University of California, One Shields Avenue, Davis, CA 95616, U.S.A. †Department of Animal Science, University of California, One Shields Avenue, Davis, CA 95616, U.S.A. ‡Graduate Group in Geography, University of California, One Shields Avenue, Davis, CA 95616, U.S.A. \$Department of Environmental Science and Policy, University of California, One Shields Avenue, Davis, CA 95616, U.S.A.

MATTHEW J. MUIR* AND MARK W. SCHWARTZ†‡

Who Work in Conservation

*Graduate Group in Ecology, 1 Shields Avenue, University of California, Davis, CA 95616, U.S.A. †Department of Environmental Science & Policy, 1 Shields Avenue, University of California, Davis, CA 95616, U.S.A., email nwschwartz@ucdavis.edu

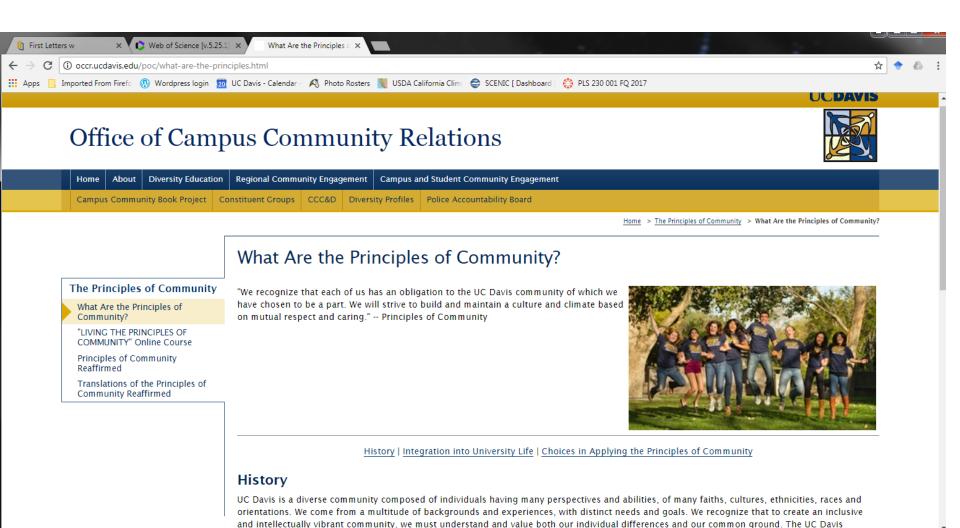
Academic Research Training for a Nonacademic

Workplace: a Case Study of Graduate Student Alumni

Build a Team Mentality

a professional and personal skill and asset,

- Structured Team Building
 - Group work in classes
 - Policy studio
 - Study groups / communal space
- Organized group social activities
 - Potlucks
 - Evening socials
 - Weekend retreats
- Individual behavior
 - Lateral Networking build peer relationships
 - The Aggie Onion build relationships spanning the breadth and depth that UCD offers
 - Faculty student staff relationships
 - The UCD legacy of casual, but respectful, relationships: UCD Principles of Community



The UC Davis community highly values diversity, inclusivity and respectful behavior. We take this seriously. You are now part of that UC Davis community and we ask that you help the broader community in this endeavor.

Barn Etiquette

This may be called The Barn, but we don't treat it like a barn

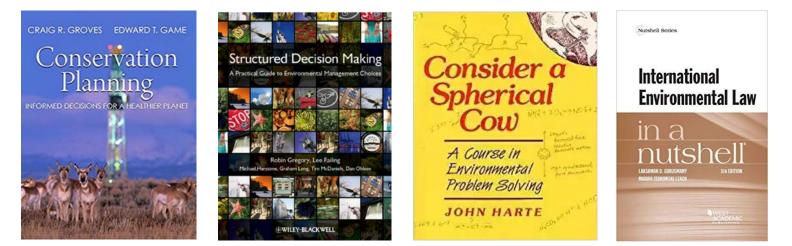
- Golden Rules
 - Open space requires mindfulness about noise, personal space, gossip....
 - Open space and old buildings creates security issues.
 - Security is a community responsibility.
 - Report problems / concerns; check that things are secure before you leave
 - Doors are open 8 to 4:30, M-F.
 - This is a shared professional home; this is your professional home.
 - Keep the kitchen clean. Leaving dirty dishes will earn you a reputation you don't want.
 - Desk space is rotating do not leave personal items on desks.
 - Bathrooms: small, thin-walled; the horsebarn legacy; open windows and security.
 - UC Rules
 - No alcohol
 - Not a doggy daycare
 - The second floor
 - Not ADA compliant; not an official classroom
 - Future plans
 - 200A



A word on ENV 200A

- CANVAS
 - The classroom portal
- Class roster 17 students
- Textbook caveat
 - The barn library
- Classroom space
 - 1017 Wickson Hall

	as ucdavis.edu/courses/177851/assignments/syllabus icholarOne Manusci 🔄 🔲 Ash Meadows Climari 📋 Library - NPS Invasion 👔 ECOS: Home 🧱 E	indangered Species 🛛 🙆 - [្នំ Startseite / Logir	-W/			☆ (5 1	-
	01 FQ 2017 > Syllabus								
Fall Quarter (FQ) 2017 Home	Course Syllabus	Jump to Today	N Edit	<	Sej	otemb	er 20	17	100
Announcements Assignments Discussions	This course is designed to present an overview of both academic and organ to environmental decision-making. This includes use of decision science, pr foresight. The course will focus on decision processes as used by natural re conservation NGO's. Case studies will generally focus on natural resources making decisions in a group process (ie, not even specific to the environme	roject planning, and str source agencies and s, but the topics are ge		27 3 10 17 24 1	18 1 25 1	9 30 5 6 2 1: 9 20 56 2: 3 4	21 28	1 8 15 22 29 6	2
Grades People Pages	Dynamic Lecture Schedule Week 1. Preliminaries, introductions, course objectives TH Sent 28. Tooic: What is adaptive management, an environmental decis		Course assignments are no weighted.						
Files Syllabus	Readings: Groves and Game Chapter 1: Gregory et al Chapter Week 2. The Foundations of Decisions	Contraction in Contraction of Contra	ress						
Outcomes Quizzes Modules	T Oct 3. The decision context: decision ownership and stakeholders ; prob Readings: G&G- Chapters 2 & 3; Gregory ch 3	olem assessment, risk							
Conferences	TH Oct 5. Setting objectives; Identifying targets Readings: G&G - ch4; Gregory Ch 4								
Attendance Chat	Week 3 Situation analysis, Threat assessment; Theories of change T Oct 10, Situation Analysis, threats ranking Readings; The Open Standards; pages 1-24, G&G Ch 4 & 5								
Settings	TH Oct 12. Theories of Change: results chains								





7—UC and Davis, campus and town: a student's perspective



Emily Zakowski

Student | Environmental Policy and Management

🛯 <u>elzakowski@ucdavis.edu</u> 🖯 🕀 <u>View Listing</u>

A brief field guide to environmental departments, graduate groups, buildings at UC Davis.