

# EART-293 GRADUATE RESEARCH SEMINAR SPRING 2016

**THURSDAYS 4:00-5:30PM, Soc Sci II ROOM 075**

\*Plan for 15 minute talks, plus 5 minutes for questions

<i>APR 7</i>	<i>No Class</i>	<i>No Class Today Due to Faculty Meeting</i>
APR 14	Grace Barcheck	THE RELATIONSHIP OF BASAL MICRO-EARTHQUAKES TO HIGH BED TRACTION BENEATH THE WHILLANS ICE PLAIN, WEST ANTARCTICA
	Carver Bierson	DEEP INSIGHTS FROM SIMPLE OBSERVATIONS OF PLUTO AND CHARON
	Claire Masteller	QUANTIFYING THE IMPACT OF GRAIN PROTRUSION ON BEDLOAD TRANSPORT RATES IN A LABORATORY FLUME
APR 21	Dustin Harper	PARADOX OF THE PALEOCENE CARBON ISOTOPE MAXIMUM AND ABRUPT GLOBAL WARMING
	Neil Foley	AIRBORNE EM RESISTIVITY REVEALS LIQUID BRINES BENEATH PERMAFROST AND GLACIERS IN THE DRY VALLEYS, ANTARCTICA
	Earl O'Bannon	THE HIGH-PRESSURE PHASE OF LAWSONITE: A PRIMARY CARRIER OF WATER INTO THE DEEP EARTH
APR 28	Alex Nereson	OAK RIDGE EARTHFLOW OBSERVATORY: A NATURAL LABORATORY FOR STUDYING SLOW-MOVING LANDSLIDES IN THE CALIFORNIA COAST RANGES
	Allison Pfeiffer	SEDIMENT SUPPLY IS REFLECTED IN RIVER CHANNEL GEOMETRY AND BED SURFACE GRAIN SIZE
	Sarah White	EL NIÑO IN THE PLIOCENE
<i>MAY 5</i>	<i>No Class</i>	<i>No Class Today Due to Faculty Meeting</i>
MAY 12	Sarah Beganskas	EXPLORING CONTROLS ON NITRATE REMOVAL DURING INFILTRATION: IMPLICATIONS FOR WATER QUALITY IMPROVEMENT
	Joel Edwards	SUBDUCTION EROSION OR ACCRETION OFFSHORE COSTA RICA? NEW INSIGHTS FROM 3D SEISMIC IMAGING OF THE OUTER FOREARC, OSA PENINSULA, COSTA RICA
	J.P. O'Brien	CONDITIONAL DEPENDENCE OF THE JOINT STATISTICS OF CALIFORNIA TEMPERATURE AND PRECIPITATION ON THE LARGE-SCALE STATE OF THE CLIMATE
MAY 19	Adrienne Grant	FROM BASALT TO GRANITE; FRACTIONAL CRYSTALLIZATION CONSTRAINTS ON MAGMA EVOLUTION
	Elke Teo	MAPPING AND ANALYSIS OF SITE SUITABILITY FOR MANAGED AQUIFER RECHARGE, SANTA CRUZ AND NORTHERN MONTEREY COUNTIES
	Vicky Yuan	TROPICAL PACIFIC DYNAMICS OVER THE LAST ~100,000 YEARS
MAY 26	Sam Landis	DIAMONDS: SHINY INSIGHTS INTO U-Pb THERMOCHRONOLOGY AND CRATON THERMAL EVOLUTION
	Cara Vennari	NITROGENS SUBDUCTION INTO THE DEEP EARTH: BUDDINGTONITE TO 30 GPa
<i>June 2</i>	<i>No Class</i>	<i>No Class Today Due to Faculty Meeting</i>