

EOSC, ATSC, ENVR COURSES WITH FULL OR PARTIAL TRANSFORMATION INVOLVING CWSEI SUPPORT, SINCE 2007

DE-only courses are NOT included, although some f2f courses also have DE sections.

As of May 1, 2012

course	No. Inst	term	short name	designed for N: # scns	Core (14) Service(4) Both(5)	archived	Reports online (Internal EOS only)			Some Highlights	EOS-SEI Long Term Plan, concieved in 2007, adjusted as time progress.																	
							planning	teaching 1	teaching 2		Fall 2007	Spr 2008	Sum 2008	Fall 2008	Spr 2009	Sum 2009	Fall 2009	Spr 2010	Sum 2010	Fall 2010	Spr 2011	Sum 2011	Fall 2011	Spr 2012	stlf			
EOSC114	6	1,2,3	Natural Disasters	1200: 4	S	Y	na	na	Sep-09	multi-instructors, clickers, v.large classes	P2&T1	P3&T2	P3	T3	T4									FJ/BG				
EOSC111	1	1,2	Introduction to Earth Science Prod	200: 10	C,S	P	na	na	Sep-09	1-credit lab course (no lecture)	P2&T1	P3&T2	P3	T3	T4									BG				
EOSC221	3	2	Introductory Petrology	80	C	Y	na	na	Fall 2009		P1	T1	P2	P2	T2	P3	P3	T3						BG				
EOSC112	2	1,2	The Fluid Earth - Atmosphere and	330: 2	C,S		na	Jan-10	Aug-10	clickers & testing of pre-readings		P1	P1	P2&T1	P3&T2	P3	T3	T4							EL			
EOSC220	2	1	Introductory Mineralogy	80	C	P	na	na	AWOL			P1	P1	T1	P2	P2	T2	P3	P3	T3					bk,el,jc,bg			
EOSC212	1	1	Topics in Earth & Planetary Scienc	30	C	Y	na	Aug-09	Aug-10	Other=pre-post on MBR. Science thinking foc			P1	P1	T1	P2	P2	T2	P3	P3	T3					FJ		
EOSC210	2	1	Earth Science for Engineers	220	C	Y	na	na	Sep-09			P1	P1	T1	P2	P2	T2	P3	P3	T3					BG			
EOSC332	1	2	Tectonic Evolution of North Amer	50	C	P	na	Jul-09	Aug-10	"pseudo" Just in Time Teaching				P1	T1	P2	P2	T2	P3	P3	T3					BG		
EOSC322	1	2	Metamorphic Petrology	50	C	P	na	Jul-09	Aug-10				P1	T1	P2	P2	T2	P3	P3	T3					EL			
EOSC355	1	1 (2)	The Planets	80	S	P	na	Aug-09	Dec-11	class teams, worksheets, clickers, projects				P1	T1	P2	P2	T2	P3	P3	T3					FJ		
EOSC211	2	1	Computer Methods in Earth, Ocyg	60	C		Jul-09	Aug-10	AWOL	worksheets, pair-programming, clickers					P1	P1	T1	P2	P2	T2	P3	P3	T3				JC	
EOSC372	3	1	Introductory Oceanography: Circu	250	C,S	P	Fall 09	Aug-10	Dec-11	daily online hmwk checks on rdgs					P1	P1	T1	P2	P2	T2	P3	P3	T3				EL	
EOSC373	3	2	Introductory Oceanography: Clima	150	C,S	P	na	Aug-10	AWOL								P1	T1	P2	P2	T2				EL			
EOSC252	1	-	Geophysical properties of materia	20	C	Y	na	Dec-11	na*	no longer taught							P1	T1	P2	P2	T2				FJ			
EOSC472	1	2	Introduction to Marine Chemistry	30	C		na	AWOL	Pending								P1	T1	P2	P2	T2				JC			
EOSC321	1	1	Igneous Petrology	50	C		Aug-10	Dec-11	Pending	Poster/present'n is a choice							P1	P1	T1	P2	P2	T2	P3	P3	T3			BG
EOSC331	2	1	Intro. Mineral Deposits and Explor	50	C		AWOL	AWOL	Pending								P1	P1	T1	P2	P2	T2	P3	P3	T3			BG
EOSC326	1	1	Earth and Life Through Time	150	S		Aug-10	Dec-11	Pending	'Labs' for >150; 50min class activities								P1	T1	P2	P2	T2				FJ		
EOSC329	1	1	Groundwater Hydrology	150	C,S		Aug-10	AWOL	Pending	Socratic lect, clickers (eg derivations), some v								P1	P1	T1	P2	P2	T2			JC/FJ		
EOSC222	1	2	Geological Time	60	C		na	Dec-11	Pending	Inclass activities								P1	P1	T1	P2	T1	P2	P2	T2	FJ		
EOSC350	1	1	Intro applied geophysics for geosc	50	C		na	na	na	aspects of team based learning								P1	P1	T1	P2	P2	T2					
EOSC340	2	1, 2	Global Climate Change	300: 2	S		na	na	na	interactive lecture, scalable to >250															SH			
EOSC333	1	2	Elem&iso geochem	50	C		na	na	na																BG			

Other classes modified with SEI help (i.e. some consulting):

ATSC201	1	Meteorlg storms	120	C	Just in Time teaching highly engaged; no lecture highly engaged; no lecture highly engaged; no lecture capstone course clickers clickers the senior field mapping course. jigsaw projects refined use of projects Honours thesis									
ENVR200	2	Intr envrmnt sci	100: 2	C										
ENVR300	2	Int res ENVRsci	50	C										
ENVR400	1	Rsrc prj env sci	50	C										
EOSC110	2	The solid earth	400:2	C,S										
EOSC116	2	Mesozoic earth	250	S										
EOSC270	1	Marine ecosystem	80	C,S										
EOSC328	5	Field geology	60	C										
EOSC420	1	Volcanology	40	C										
EOSC450	1	Potential fields geophys	20	C										
EOSC449	2	Honours thesis	25	C										

Team based learning used by F. Jones, then pedagogy transferred to a Post Doc in 2007 and Prof. D. Oldenburg in 2008.

Designed to incorporate best practices by Sara Harris in 2010.

Undergoing accelerated transformation with Prof. Dominique Weis with STLF Brett Gilley's assistance.

FEATURES INCLUDED IN TRANSFORMED COURSES.

course	No. Inst	term	short name	designed for N: # scns	Core (1/4) Service(4) Both(5)	No. TDOP	class				content				home				other							
							lecture	tested pre- readings	JiTT	prepost testing	clickers	inclass activities	grp work	Learn Goals	text book	Labs	exams	writing	Math	prgrmg / matlab	pre-class read/quiz	assigs (not 'labs')	presen's or posters	other projects	Field	Other
EOSC114	6	1,2,3	Natural Disasters	1200: 4	S	1	x			x				x	x	x						x				
EOSC111	1	1,2	Introduction to Earth Science Prog	200: 10	C,S			x			x	x		x	x	x	x	x	x			x				
EOSC221	3	2	Introductory Petrology	80	C	1	x			x	x	x	x	x	x	x	x	x			x					
EOSC112	2	1,2	The Fluid Earth - Atmosphere and	330: 2	C,S	1	x	x		x	x			x			x	x	x		x					
EOSC220	2	1	Introductory Mineralogy	80	C		x				x			x	x	x	x	x			x	x	x			
EOSC212	1	1	Topics in Earth & Planetary Scienc	30	C	1	x	x		x	x	x	x	x		x	x	x	x	x	x	x	x			
EOSC210	2	1	Earth Science for Engineers	220	C		x			x	x	x	x	x	x	x	x	x	x							
EOSC332	1	2	Tectonic Evolution of North Amer	50	C	1	x	x	x	x	x	x	x	x		x	x		x			x	x			
EOSC322	1	2	Metamorphic Petrology	50	C	1		x						x			x		x		x					
EOSC355	1	1 (2)	The Planets	80	S		x	x			x	x	x	x		x			x	x	x	x				
EOSC211	2	1	Computer Methods in Earth, Ocyg	60	C		x			x	x	x	x	x		x	x	x	x	x	x	x				
EOSC372	3	1	Introductory Oceanography: Circu	250	C,S		x	x		x		x		x					x	x		x	x			
EOSC373	3	2	Introductory Oceanography: Clim	150	C,S	1		x			x			x					x	x	x	x				
EOSC252	1	-	Geophysical properties of materia	20	C		x				x		x	x		x	x	x	x		x					
EOSC472	1	2	Introduction to Marine Chemistry	30	C		x			x	x	x	x	x		x	x	x	x		x					
EOSC321	1	1	Igneous Petrology	50	C		x			x		x	x	x	x	x	x	x	x	x	x	x	x			
EOSC331	2	1	Intro. Mineral Deposits and Explor	50	C		x				x	x	x	x	x	x	x	x		x	x					
EOSC326	1	1	Earth and Life Through Time	150	S	4	x	x			x	x	x	x	x	x	x	x	x	x		x				
EOSC329	1	1	Groundwater Hydrology	150	C,S	3	x			x	x	x	x	x	x	x	x	x	x	x		x				
EOSC222	1	2	Geological Time	60	C	12	x	x		x	x	x	x	x	x	x	x	x		x						
EOSC350	1	1	Intro applied geophysics for geosc	50	C		x	x			x	x		x		x	x	x	x	x	x	x				
EOSC340	2	1,2	Global Climate Change	300: 2	S	1	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x				
EOSC333	1	2	ELEM&iso geochem	50	C	1	x				x	x	x	x	x	x	x	x	x		x	x				

x means the feature was introduced or enhanced as part of CWSEI transformation