

ESS/OCEAN 230
RIVERS AND BEACHES (3/5 CREDITS)
2014

TIME & PLACE:

Lecture:	M, W & F	1:30 - 2:20	Room 075, Johnson Hall
Lab (for 5 credits)	W	2:30 – 3:20	Room 011, Johnson Hall

INSTRUCTORS

Chuck Nittrouer
 111B MSB / 543-5099
 nittroue@ocean.washington.edu

Dave Montgomery
 341 JHN / 685-2560
 bigdirt@uw.edu

TEACHING ASSISTANT

Emily Eidam
 110 MSB / 543-8544
 efe@uw.edu

COURSE FEE: \$30/\$50 for 3/5 credits

WEBSITE: <http://gis.ess.washington.edu/grg/courses/ess230/index.html>

Date	Lecture	Lab
9/24	1 Introduction (DM)	Intro to field trips
9/26	2 Mountains: Weathering (DM)	
9/29	3 Mountains: Soil (DM)	Orientation for Field Trip A
10/1	4 Mountains: Erosion (DM)	
10/3	5 Rivers: Materials and Sediment Transport (DM)	
10/6	6 Beyond the Beach (CN)	
10/8	Field Trip A1 – Nisqually River Watershed (no lecture)	
10/10	7 Marine Sedimentation: Particles (CN)	
10/13	8 Marine Sedimentation: Transport (CN)	
10/15	Field Trip A2 – Nisqually River Watershed (no lecture)	Report for Field Trip A1 due
10/17	9 The Floor of Puget Sound (CN)	
10/20	10 Marine Sedimentation: Global Perspective (EE)	
10/22	Field Trip B – Puget Sound Cruise (no lecture)	Report for Field Trip A2 due
10/24	11 Alluvial Rivers (DM)	
10/25&26	Field Trip C – Tour around Olympic Peninsula Beaches	
10/27	12 Bedrock Rivers (DM)	
10/29	Mid-Term Exam	no lab
10/31	13 Estuaries: Processes (CN)	Report for Field Trip B due
11/3	14 Estuaries: Sedimentation (CN)	
11/5	15 River Deltas (CN)	Discuss Field Trip A
11/7	16 Human Impacts on Deltas (CN)	Report for Field Trip C due

11/10	17	Floodplains (DM)	
11/12	18	Human Impacts on Rivers (DM)	Discuss Field Trip B
11/14	19	Channel Response (DM)	
11/17	20	Beaches: Processes (CN)	
11/19	21	Beaches: Sedimentation (CN)	Discuss Field Trip C
11/21	22	Beaches around the World (CN)	
11/24	23	Beaches around Washington (CN)	
11/26	24	River Restoration (DM)	no lab
11/28		THANKSGIVING HOLIDAY (no class)	
12/1	25	Dirt (DM)	
12/3	26	King of Fish (DM)	no lab
12/5	27	Review Session (DM, CN, EE)	
12/8		FINAL EXAM	2:30 – 4:20

GRADING

For 3 credits: midterm = 40%; field trip/report = 20%; final exam = 40%

Participation in Field Trip A is required

For 5 credits: midterm = 35%; field trip/reports = 30%; final exam = 35%

Participation in all Field Trips is required

Field-Trip Reports: due on dates indicated in schedule above
credit for report will be reduced, if 1 or 2 days late; no credit for >2 days late

Please Note – The course puts a high premium on the learning that comes from field observations. Participation in field trips is required to get credit for field trips.

There are no make-up trips or extra work to substitute for trips. If you miss one, your options are:

3-credit registrants who miss Field Trip A can: 1) participate in Field Trip C; 2) take a zero for the field trip; or 3) drop the course.

5-credit registrants who miss a trip can: 1) drop to 3 credits; 2) take a zero in the missed trip; or 3) drop the course.

Field Trip A will be held twice on Wednesdays (8 & 15 Oct). Field Trip B will be held on Wednesday, 22 Oct. If you need a note explaining absence from another class, contact Chuck or Dave **at least one week before the field trip.**

Contact Emily Eidam (efe@uw.edu) to sign-up for Field Trip A1 (held 8 October) OR Field Trip A2 (held 15 October). Reservations will be limited for each day, and will be accepted on a first-come basis. Emily will be in the field through 6 October, but will be monitoring email.