### WEEK 1 10-22 9:00 – Intro & Review; Time 10-23 9:15 – Time Scale Quiz; Trig 10-24 9:15 – Trig Quiz; Ortho Proj Prob due; Outcrop Patt Dip Beds via Ortho projection 1:15- Geo X-Scn & Topo Profile; Trig 1:15- Geo X-Scn & Topo Profile; Trig 1:15- Bruntons; Begin cross-section #1 1:15- 2nd Rule of V's 1:15- Bruntons; Begin cross-section #1 1:15- 2nd Rule of V's 1:15- Bruntons; Begin cross-section #1 1:15- 2nd Rule of V's 1:15- Bruntons; Begin cross-section #1 1:15- 2nd Rule of V's 1:15- apparent dip exercise Read D&R 691-700 (or D 68-76); hand-outs HW: X-Scn #1 HW: Trig Probs HW: Trig Probs HW: Cross-section #1 HW: Baraboo map and Cross-section #2 HW: Section #2	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Scale Probs due; Thick/Depth by Trig; Ortho Proj 1:15- Geo X-Scn & Topo Profile; Trig; Topo & Geo Maps; 1 st Rule of V's; Bruntons; Begin cross-section #1 1:15- Bruntons; Begin cross-section #1 1:15- Bruntons; Begin cross-section #1 1:15- Bruntons; Begin cross-section #1 Read D&R 36; 662-669 (or D, 35 52-61)			II.	1	1
Scale Probs due; Thick/Depth by Trig; Ortho Proj 1:15- Geo X-Scn & Topo Profile; Trig; Topo & Geo Maps; 1 st Rule of V's; Brunton; S&D Read D&R 36; 662-669 (or D, 35 52-61) HW: Thickness & Depth to Contact; Ortho Projection Prob; Cross-section #1 HW: Trig Probs 10-29 9:15-2:00 - Rock Creek fieldtrip Reread D&R 204-226; 269-303; 315-371 (or D Ch. 9) HW: Rock Creek Lab; X-scn #1 Read Chapter on Faults HW: X-section #2 11-5 9:1 - work on Baraboo map, cross-section #2 11-5 - NO CLASS Prob due; Outcrop Patt Dip Beds via Ortho projection Block Diagrams 1:15- Probs; Block Diagrams 1:15- Probs; Block Diagrams 1:15- Work on cross-section #1 1:15- apparent dip exercise Read D&R 691-700 (or D 68-76); hand-outs HW: Cross-section #1 HW: Cross-section #1 HW: Cotrop Pattern of Dip Beds; Cross-section #1; 3 pt probs WEEK 2 10-29 9:15-2:00 - Rock Creek fieldtrip Stereonets; Poles to Planes on Stereonets; P	10-22 9:00 – Intro & Review; Time	10-23 9:15 – Time Scale Quiz; Tria		10-25 9:15 – <i>Outcrop of Dippina</i>	10-26 9:15 – <i>Brunton Quiz</i> ; campus
Ortho Proj Ortho projection Block Diagrams 1:15- Geo X-Scn & Topo Profile; Trig; Topo & Geo Maps; 1 st Rule of V's; Brunton; S&D Read D&R 36; 662-669 (or D, 35 52-61) Read D&R 684-690 (or D 61-68) HW: Thickness & Depth to Contact; Ortho Projection Prob; Cross-scn #1 10-29 9:15-2:00 - Rock Creek fieldtrip Read D&R 204-226; 269-303; 315-371 (or D Ch. 9) HW: Rock Creek Lab; X-scn #1 Read D&R 691-50 (Drib Prob; Cross-section #2) 11-5 9:1 - work on Baraboo map, Cross-section #2 11-5 9:1 - work on Baraboo map, Cross-section #2 11-5 9:1 - work on Baraboo map, Cross-section #2 11-5 - NO CLASS Ortho Projection Prob; Cross-section #2 1:15- Wret or V's 1:15- Analable in Read D&R 691-700 (or D 68-76); hand-outs 1:15- Analable in Read D&R 691-700 (or D 68-76); hand-outs 1:15- Analable in Read D&R 691-700 (or D 68-76); hand-outs HW: Cross-section #1 HW: Cross-section #1 1:15- Analable in Read D&R 691-700 (or D 68-76); hand-outs HW: Cross-section #1 HW: Cross-section #1 1:15- Analable in Read D&R 691-700 (or D 68-76); hand-outs HW: Cross-section #1 HW: Cross-section #1 11-2 9:15- Folds, Stereonets for Fold Axis & Axial Plane Orientations (Rock Creek example) Stereonets; 1:15- MacBride Reservoir Fieldtrip 1:15- Folds & Fabric; Origin of Deformation Fabrics Read Chapter on Faults Read Chapt	•	. , 3	3 . ,	, , ,, ,	' ' '
1:15- Geo X-Scn & Topo Profile; Trig; Topo & Geo Maps; 17 Rule of V's Brunton; S&D Read D&R 36; 662-669 (or D, 35 52- 61) HW: Trig Probs Read D&R 684-690 (or D 61-68) HW: Trig Probs Read D&R 684-690 (or D 61-68) HW: Trig Probs Read D&R 684-690 (or D 61-68) HW: Trig Probs Read D&R 684-690 (or D 61-68) HW: Outcrop Pattern of Dip Beds; Cross-section #1 11-2 7:00 AM-8:00 pm - Barak Fieldtrip Thrust Faults; Joints; Map Patterns of Fold Axis & Axial Plane Orientations (Rock Creek cample) HW: Rock Creek Lab; X-scn #1 Read D&R 69-15 - MacBride Reservoir Fieldtrip HW: Rock Creek Lab; X-scn #1 Read D&R 69-15 - MacBride Reservoir Fieldtrip HW: Assection #2 WEEK 2 11-5 9:15 - work on Baraboo map, cross-section #2 11-5 - NO CLASS 11-5 - NO CLASS 1:15 - Value of V's Read D&R 691-704 (or D 68-8: Read D&R 691-700 (or D 68-76); hand-outs HW: Cross-section #1 11-5 - Folds & Folds; Stereonets for Fieldtrip Cross section #2 11-5 - Folds & Fabric; Origin of Deformation Fabrics Read: Chapters on (i) folds and (ii) cleavage, foliation, lineation HW: X-Section #2 WEEK 3 11-5 9:15 - Will Bertin with the provision of Read on Read of Read			1		
Topo & Geo Maps; 1 st Rule of V's; Brunton; S&D Read D&R 36; 662-669 (or D, 35 52-61) Read D&R 684-690 (or D 61-68) HW: Thickness & Depth to Contact; Ortho Projection Prob; Cross-sen #1 10-29 9:15-2:00 - Rock Creek fieldtrip Read D&R 204-226; 269-303; 315-371 (or D Ch. 9) HW: Rock Creek Lab; X-scn #1 Read D&R 691-700 (or D 68-76); hand-outs HW: Cross section #1 11-5 - Z ^{rid} Rule of V's Read D&R 691-700 (or D 68-76); hand-outs HW: Cross-section #1; 3 pt probs HW: Cross-section #1; 3 pt probs HW: Cross-section #1; 3 pt probs Thust Faults; Joints; Map Patterns of Fold Axis & Axial Plane Orientations (Rock Creek example) HW: Baraboo map and Cross-Section #2 ##W: X-section #2 ##W: X-section #2 ##W: X-section #2 11-5 9:1 - work on Baraboo map, cross-section #2 11-5 NO CLASS 11-1 9:15 - Quiz; Discuss M&E Accretion Tectonics; Subd Tectonics ##W: Assembly Service Read D&R 691-704 (or D 68-8: Read D&R 691-704 (or D 68-8: Read D&R 691-700 (or D 68-76); hand-outs ##W: X-Scn #1 ##W: X-Scn #1 ##W: Cross-section #1 ##W: Cross-section #1 11-5 - In work on Baraboo map, cross-section #2 11-5 - In work on Baraboo map, cross-section and report; work on cross-section #2 11-5 - NO CLASS 11-5 - Ralle of V's ##W: Asset on the contact available in D) ##W: Cross-section #2 11-5 - Folds & Fabric; Origin of Deformation Fabrics Read Chapter on Faults ##W: Baraboo map and Cross-Section #2 ##W: X-section #2 ##W: X-section #2 ##W: X-section #2 ##W: X-section #2 11-5 9:1 - work on Baraboo map, cross-section #1 11-6 9:15 - MiDTERM EXAM 11-6 9:15 - MiDTERM EXAM 11-7 9:15 - Seismic Activity & PT; Continental Rifting and Extensional Tectonics; Subd Tectonics ###################################	1:15- Geo X-Scn & Topo Profile; Trig;	,			1:15-Work on cross-section #1
Read D&R 36; 662-669 (or D, 35 52-61) Read D&R 684-690 (or D 61-68) HW: Thickness & Depth to Contact; Ortho Projection Prob; Cross-sent #1 10-29 9:15-2:00 - Rock Creek fieldtrip Read D&R 204-226; 269-303; 315-371 (or D Ch. 9) HW: Rock Creek Lab; X-scn #1 Read Chapter on Faults HW: Rock Creek Lab; X-scn #1 Read D&R 684-690 (or D 61-68) Read D&R 684-690 (or D 61-68) HW: Outcrop Pattern of Dip Beds; Cross-section #1 HW: Outcrop Pattern of Dip Beds; Thrust Faults; Joints; Map Patterns of Fold Axis & Axial Plane Orientations of Faults Read D&R 204-226; 269-303; 315-371 (or D Ch. 9) HW: Rock Creek Lab; X-scn #1 Read Chapter on Faults HW: A-section #2 ##2 ##3 ##4 Read D&R 691-700 (or D 68-76); hand-outs ##4 ##4 ##4 ##4 ##4 ##4 ##4 #		1:15- Bruntons: Begin cross-section	1:15- 2 nd Rule of V's	1:15- apparent dip exercise	
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Read D&R 36; 662-669 (or D, 35 52-61) HW: Trig Probs This inchess & Depth to Contact; Ortho Projection Prob; Cross-sent #1 10-29 9:15-2:00 - Rock Creek fieldtrip Read D&R 204-226; 269-303; 315-371 (or D Ch. 9) HW: Rock Creek Lab; X-scn #1 Read Chapter on Faults Read Chapter on Faults HW: Assection #2 Read Chapter on Faults Read Chapter on Faults HW: Assection #2 Read Chapter on Baraboo map, cross-section #2 Read D&R 204-226; 269-303 and report; work on cross-section #2 Read D&R 36; 662-669 (or D, 35 52-61) HW: Trickness & Depth to Contact; HW: Outcrop Pattern of Dip Beds; Cross-section #1 HW: Outcrop Pattern of Dip Beds; Cross-section #1; 3 pt probs HW: cross-section #1 HW: cross-section #1 HW: Cross-section #1 11-3 9:15 - Folds, Stereonets for Fold Axis & Axial Plane Orientations (Rock Creek example) Fieldtrip 11-5 - MacBride Reservoir Fieldtrip 1:15 - Folds & Fabric; Origin of Deformation Fabrics Read: Chapter on Faults Read: Chapter on (i) folds and (ii) cleavage, foliation, lineation HW: X-section #2 HW: X-section #2 HW: X-section #2 Read Chapter on Faults Assection #1-7 9:15 - Seinch and Extensional Tectonics; How to Read a Paper Read D&R 204-226; 269-303; 315-37 (Rock Creek example) Fieldtrip 11-2 7:00 AM-8:00 pm - Baraterious Fieldtrip Fieldtrip Fieldtrip HW: Baraboo map and Cross-Section; X-Section #2 HW: Baraboo map and Cross-Section #2 Fieldtrip Fieldtrip 11-5 - Folds & Fabric; Origin of Deformation Fabrics Read: Chapters on (i) folds and (ii) cleavage, foliation, lineation HW: X-Section #2 Fieldtrip Fieldtrip Fieldtrip 11-5 - Folds & Fabric; Origin of Deformation Fabrics Fieldtrip Fieldtrip Fieldtrip Fieldtrip 11-5 - Folds & Fabric; Origin of Deformation Fabrics Fieldtrip Fieldtrip 11-5 - Folds & Fabric; Origin of Deformation Fabrics Fieldtrip Field Trip Field Xis & Axial Plane Orientations (Rock Creek example) Field Xis & F	n uniton, out	2	Read D&R 669-684 (not available in	Read D&R 691-700 (or D 68-76):	
HW: Trig Probs HW: Thickness & Depth to Contact; Ortho Projection Prob; Cross-section #1 HW: Outcrop Pattern of Dip Beds; Cross-section #1; 3 pt probs WEEK 2 10-29 9:15-2:00 - Rock Creek fieldtrip Reread D&R 204-226; 269-303; 315-371 (or D Ch. 9) HW: Rock Creek Lab; X-scn #1 Read Chapter on Faults Read Chapter on Faults HW: Assection #2 HW: Assection #2 HW: Outcrop Pattern of Dip Beds; Cross-section #1; 3 pt probs HW: cross-section #1; 3 pt probs Fieldtrip 11-2 7:00 AM-8:00 pm - Barak Fieldtrip Fold Axis & Axial Plane Orientations (Rock Creek example) HW: Baraboo map and Cross-Section #2 HW: Baraboo map and Cross-Section #2 HW: Assection #2 WEEK 3 11-5 9:15 - MacBride Reservoir Fieldtrip Read Chapter on Faults HW: Assection #2 HW: Assection #2 HW: Assection #2 HW: Assection #2 11-5 9:15 - MiDTERM EXAM 11-7 9:15 - Seismic Activity & PT; Continental Rifting and Extensional Tectonics; How to Read a Paper HW: Outcrop Pattern of Dip Beds; Cross-section #1; 3 pt probs HW: cross-section #1; 3 pt probs HW: cross-section #1; 3 pt probs HW: cross-section #1 11-2 9:15 - Folds & Fabric; Origin of Deformation Fabrics Fold Axis & Axial Plane Orientations (Rock Creek example) HW: Baraboo map and Cross-Section #2 HW: Baraboo map in the Park of HW: Assection #2 HW: Baraboo map in the Park of HW: Assection #2 HW: Baraboo map in the Park of HW: Assection #2 HW: Baraboo map in the Park of HW: Assection #2 HW: Baraboo map in the Park of HW: Baraboo Map in the Park of HW: Assection #2 11-3 9:15 - MacBride Reservoir Fieldtrip Read Chapter on Faults HW: Baraboo map in the Park of HW: Baraboo Map in the Park	Read D&R 36: 662-669 (or D 35 52-	Read D&R 684-690 (or D 61-68)	· ·	*	HW: X-Scn #1
HW: Trickness & Depth to Contact; Ortho Projection Prob; Cross-sect #1 10-29 9:15-2:00 - Rock Creek fieldtrip Reread D&R 204-226; 269-303; 315-371 (or D Ch. 9) HW: Rock Creek Lab; X-scn #1 Read Chapter on Faults Read Chapter on Faults HW: Outcrop Pattern of Dip Beds; Cross-section #1; 3 pt probs ## WEEK 2 10-30 9:15 - Geologic Map Quiz; Cross-section #2 **Cross section #1 due; Intro to Stereonets; Poles to Planes on Stereonets; Poles Read Chapter on Faults ### HW: Cross-section #1 ### HW: Cross-section #1 ### Sufficiently Stereonets for Fold Axis & Axial Plane Orientations (Rock Creek example) ### HW: Baraboo map and Cross-Section #2 ### HW: Cross-section #1 ### HW: Cross-section #1 ### HW: Cross-section #1 ### HW: Cross-section #1 ### Sufficiently Stereonets Quiz; Faults; Joints, Map Patterns of Fold Axis & Axial Plane Orientations (Rock Creek example) ### HW: Baraboo map and Cross-Section #1 ### HW: Cross-section #	·	Neda Ban 651 656 (61 B 61 66)		Tidila Gats	1100. X 3011 11 1
HW: Trig Probs Ortho Projection Prob; Cross-section #1 WEEK 2 10-29 9:15-2:00 - Rock Creek fieldtrip Cross section #1 due; Intro to Stereonets; Poles to Planes on Stereonets; Poles to Planes on Stereonets; Poles to Planes on Stereonet Apps; Apparent Dip; HW: Rock Creek Lab; X-scn #1 Read Chapter on Faults HW: Cross section #2 11-5 9:1 - work on Baraboo map, cross-section mad report; work on cross-section mad report; work on cross-section made	,,,,	HW: Thickness & Denth to Contact:	HW: Outcron Pattern of Din Reds:	HW: cross-section #1: 3 nt nrohs	
### Note Creek Lab; X-scn #1 10-29 9:15-2:00 - Rock Creek fieldtrip Reread D&R 204-226; 269-303; 315- 371 (or D Ch. 9) HW: Rock Creek Lab; X-scn #1 ### Rock Creek Lab; X-scn #1 ### Read Chapter on Faults ### HW: Cross section #2 ### HW: Cross section #2 ### HW: Cross section #2 ### HW: Assection #2 ### Note Creek Lab; X-scn #1 ### Note Creek Lab; X-scn #2 ### Note Creek Lab; X-scn #2 ### Note Creek Lab; X-scn #2 ### Note Creek Lab; X-scn #1 ### Note Creek Lab; X-scn #2 ### Note Creek Lab; X-scn #1 ### Note Creek Lab; X-scn #1 ### Note Creek Lab; X-scn #2 ### Note Creek Lab; X-scn #1 ### Note Creek East Axial Plane Orientations (Rock Creek example) ### HW: Baraboo map and Cross-Section; Corigin of Deformation Fabrics ### Read: Chapters on (i) folds and (ii) cleavage, foliation, lineation ### HW: X-Section #2 ### Note Creek Lab; X-scn #1 ###	HW: Trig Probs	·	1	11w. cross-section #1, 5 pt probs	
10-29 9:15-2:00 - Rock Creek fieldtrip Reread D&R 204-226; 269-303; 315- 371 (or D Ch. 9) HW: Rock Creek Lab; X-scn #1 Read Chapter on Faults Read Chapter on Faults HW: Cross section #2 11-5 9:15 - Will Determinat in Exer 11-6 9:15 - MiDTERM EXAM 11-6 9:15 - MiDTERM EXAM 11-6 9:15 - MiDTERM EXAM 11-7 9:15 - Seismic Activity & PT; Continental Rifting and Extensional records: Flow to Read a Paper 11-1 9:15 - Folds; Stereonets for Fold Axis & Axial Plane Orientations (Rock Creek example) 11-1 9:15 - Folds & Fabric; Fold Axis & Axial Plane Orientations (Rock Creek example) 11-5 - Folds & Fabric; Origin of Deformation Fabrics Read: Chapters on (i) folds and (ii) cleavage, foliation, lineation HW: X-Section #2 11-6 9:15 - MIDTERM EXAM 11-7 9:15 - Seismic Activity & PT; Continental Rifting and Extensional Tectonics; How to Read a Paper	IW. Hig Flobs	Ortho Projection Prob, Cross-scii #1	II.		
Fieldtrip Cross section #1 due; Intro to Stereonets; Poles to Planes on Stereonets; Poles to	10 20 0:15 2:00 Book Crook	10 20 0:15 Coologis Man Ovize		11 1 0.15 Folds: Storoonats for	11 2 7:00 AM 0:00 pm Boychoo
Stereonets; Poles to Planes on Stereonets; Poles to Planes on Stereonets; Of Faults (Rock Creek example) Stereonets; Poles to Planes on Stereonets; Of Faults (Rock Creek example) Stereonets; Poles to Planes on Stereonets; Of Faults (Rock Creek example) Stereonets; Poles to Planes on Stereonets; Of Faults (Rock Creek example) 1:15 - MacBride Reservoir Fieldtrip (Poles to Planes on Stereonets) 1:15 - Folds & Fabric; Origin of Deformation Fabrics Read: Chapters on (i) folds and (ii) cleavage, foliation, lineation (Poles to Planes on Planes on Faults (Poles to Planes on Faults (P		= :		· · · · · · · · · · · · · · · · · · ·	•
Reread D&R 204-226; 269-303; 315- 371 (or D Ch. 9) 1:15 - Stereonet Apps; Apparent Dip; HW: Rock Creek Lab; X-scn #1 Read Chapter on Faults Read Chapter on Faults Read Chapter on Faults HW: X-section #2 1:15 - Folds & Fabric; Origin of Deformation Fabrics Read: Chapters on (i) folds and (ii) cleavage, foliation, lineation HW: X-Section #2 11-5 9:1 - work on Baraboo map, cross-section and report; work on cross-section #2 1:15 - NO CLASS 1:15 - Folds & Fabric; Origin of Deformation Fabrics Read: Chapters on (i) folds and (ii) cleavage, foliation, lineation HW: X-Section #2 11-8 9:15 - Quiz; cross-section due; H&G summary due; discussional Tectonics; How to Read a Paper	leiatrip		1 ' '		Fleiatrip
371 (or D Ch. 9) 1:15 - Stereonet Apps; Apparent Dip; HW: Rock Creek Lab; X-scn #1 Read Chapter on Faults Read Chapter on Faults HW: X-section #2; MacBride Sketch; NM Fault Determinat'n Exer HW: X-Section #2 1:15 - Folds & Fabric; Origin of Deformation Fabrics Read: Chapters on (i) folds and (ii) cleavage, foliation, lineation HW: X-Section #2 ##W: X-Section #2 11-5 9:1 - work on Baraboo map, cross-section and report; work on cross-section #2 1:15 - NO CLASS 1:15 - NacBride Reservoir Fieldtrip Origin of Deformation Fabrics Read: Chapters on (i) folds and (ii) cleavage, foliation, lineation HW: X-Section #2 1:18 9:15 - Quiz; Cross-section due; H&G summary due; discussed in the continuous part of	2 D0 D 204 226 260 202 245	-	OI Faults	(ROCK Creek example)	INV Book of the control of the contr
HW: Rock Creek Lab; X-scn #1 Read Chapter on Faults Read Chapter on Faults HW: X-section #2; MacBride Sketch; NM Fault Determinat'n Exer HW: X-Section #2 HW: X-Section #2 HW: X-Section #2 HW: X-Section #2 11-5 9:1 – work on Baraboo map, cross-section and report; work on cross-section #2 1:15 – NO CLASS 1:15 – Stereonet Apps; Apparent Dip; Read Chapter on Faults Read: Chapters on (i) folds and (ii) cleavage, foliation, lineation HW: X-Section #2 HW: X-Section #2 11-8 9:15 – Quiz; Discuss M&E Accretion Tectonics; Subd Tectonics Gue;; H&G summary due; discussional Continental Rifting and Extensional Continental Rifting Rif		Stereonets;	4.45 . 84 . 10.44 . 10	4.45 5.14.0 5.1.4.	· ·
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Read Chapter on Faults HW: X-section #2; MacBride Sketch; NM Fault Determinat'n Exer HW: X-Section #2 WEEK 3 11-5 9:1 – work on Baraboo map, cross-section and report; work on cross-section #2 11-5 9:1 – NO CLASS Read: Chapters on (i) folds and (ii) cleavage, foliation, lineation HW: X-Section #2 HW: X-Section #2 #WEEK 3 11-8 9:15 – Quiz; Discuss M&E Accretion Tectonics; Subd Tectonics due;; H&G summary due; discussional cross-section #2 Hansen & Glazner; Panang				Origin of Deformation Fabrics	
Read Chapter on Faults HW: X-section #2; MacBride Sketch; NM Fault Determinat'n Exer HW: X-Section #2 WEEK 3 11-5 9:1 – work on Baraboo map, cross-section and report; work on cross-section #2 11-5 9:1 – NO CLASS HW: X-section #2; MacBride Sketch; NM Fault Determinat'n Exer HW: X-Section #2 #2 #3 #4 #4 #4 #4 #4 #4 #4 #4 #4	1W: ROCK Creek Lab; X-sch #1	каке	Read Chapter on Faults	2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
NM Fault Determinat'n Exer HW: Cross section #2 WEEK 3 11-5 9:1 – work on Baraboo map, cross-section and report; work on cross-section #2 11-6 9:15 – MIDTERM EXAM 11-7 9:15- Seismic Activity & PT; Continental Rifting and Extensional cross-section #2 11-8 9:15 – Quiz; Discuss M&E Accretion Tectonics; Subd Tectonics 4 Accretion Tectonics; Subd Tectonics Hansen & Glazner; Panang		5 101 . 5 1		, , , , , , , , , , , , , , , , ,	
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WEEK 3 11-5 9:1 – work on Baraboo map, cross-section and report; work on cross-section #2 11-6 9:15 – MIDTERM EXAM 11-7 9:15- Seismic Activity & PT; Continental Rifting and Extensional Tectonics; How to Read a Paper WEEK 3 11-8 9:15 – Quiz; Discuss M&E Accretion Tectonics; Subd Tectonics Using Hansen & Glazner; Panang Panan			NM Fault Determinat'n Exer		
11-5 9:1 – work on Baraboo map, cross-section and report; work on cross-section #2 11-6 9:15 – MIDTERM EXAM 11-7 9:15- Seismic Activity & PT; Continental Rifting and Extensional Tectonics; How to Read a Paper 11-8 9:15 – Quiz; Discuss M&E Accretion Tectonics; Subd Tectonics Using the Glazner; Panang Panan		HW: Cross section #2		HW: X-Section #2	
cross-section and report; work on cross-section #2 Continental Rifting and Extensional Tectonics; Subd Tectonics and Tectonics; Subd Tectonics and Extensional Tectonics; How to Read a Paper Continental Rifting and Extensional Tectonics; Subd Tectonics; Subd Tectonics; Hansen & Glazner; Panang				T	1
cross-section #2 1:15 – NO CLASS Tectonics; How to Read a Paper Hansen & Glazner; Panang Pal	• • •	11-6 9:15 – MIDTERM EXAM	1		<u>-</u>
· · · · · · · · · · · · · · · · · · ·			_	Accretion Tectonics; Subd Tectonics	1 ——·
1:15- Isostasy ever due: summary of	cross-section #2	1:15 – NO CLASS	Tectonics; How to Read a Paper		Hansen & Glazner; Panang Parbat
				1:15- Isostasy exer due; summary of	
		Read – chapter on Plate Tectonics	1:15 – Isostasy and Exhumation		1:15- Chemical Signals of Tectonics
Cross-section #2 video; plate motion exercises	Cross-section #2			video; plate motion exercises	
HW: X-Section #2 Read: Molnar and England (1990) Read: Edmond (1992); Baldrid		HW: X-Section #2	Read: Molnar and England (1990)		Read: Edmond (1992); Baldridge &
HW: X-Section #2; study for exam Read: Hanson & Glazner (1995) Olson (1989)	1W: X-Section #2; study for exam			Read: Hanson & Glazner (1995)	Olson (1989)
HW: Isostasy Exer; summary of M&E			HW: Isostasy Exer; summary of M&E		
X-Section #2 HW: summary of H&G X-Scn #2 HW: summary of E and B&O			l.	HW: summary of H&G X-Scn #2	HW: summary of E and B&O
WEEK 4			WEEK 4		
11-12 9:15 – Quiz; summaries of E 11-13 9:15 – Quiz; integrated 11-14 8:30 – FINAL EXAM	1-12 9:15 –Quiz; summaries of E	11-13 9:15 – Quiz; integrated	11-14 8:30 – FINAL EXAM		
and B&O due; Discuss Edmond summary of Molnar papers due;	and B&O due; Discuss Edmond	summary of Molnar papers due;			
(1992) and Baldridge and Olson discuss Molnar papers	1992) and Baldridge and Olson	discuss Molnar papers			
(1989)	1989)				
1:15- No class – study for exam		1:15- No class – study for exam			
1:15- Survey of North American	1:15- Survey of North American				
Tectonics and Global Mountain HW: study for final exam	Tectonics and Global Mountain	HW: study for final exam			
Ranges	Ranges				
Read – Molnar Tibetan Plateau;	Read – Molnar <i>Tibetan Plateau;</i>				
Structure of Mt Ranges; Himalayas	Structure of Mt Ranges; Himalayas				
	, , ,				
HW: integrated summary of Molnar	HW: integrated summary of Molnar				

TECTONICS

Fall 2018

Professor: Rhawn Denniston **Office:** 202 Norton **Phone:** x4306 (W); 319-350-7074 (cell) **Office Hours:** 8:30-9:15; 11:15-11:30 daily

Text and Readings Structural Geology of Rocks and Regions, Davis (and Reynolds), 1st or 2nd editions and various articles

Grading Scheme

20% Exam 1 25% Exam 2 15% Exercises 10% Summary Papers 15% Cross-sections 10% Quizzes 5% Participation 3

Academic Policies

Late Work - Assignments are to be completed as scheduled. If unable to meet a deadline due to a college-sanctioned excuse, see me IN ADVANCE of the deadline. For late work, scores will be reduced by 25% for each day after the deadline.

Cheating – Don't even think about it. You must complete all assignments (homeworks, papers, cross-sections, problem sets, exams, quizzes, etc.) entirely on your own unless I give you permission to work together. See The Compass for specifics or see me with any questions.

Cell Phones, Computers, Etc. – Cell phones are NOT permitted in the classroom for any reason between the start and end of class, including breaks, without my permission. Computers may be used for note taking only with my permission and must only be used for that purpose.

Class Requirements Textbooks, calculator, protractor, and Brunton (assigned) are required in class each day.

Academic Honesty Cornell College expects all members of the Cornell community to act with academic integrity. An important aspect of academic integrity is respecting the work of others. A student is expected to explicitly acknowledge ideas, claims, observations, or data of others, unless generally known. When a piece of work is submitted for credit, a student is asserting that the submission is her or his work unless there is a citation of a specific source. If there is no appropriate acknowledgement of sources, whether intended or not, this may constitute a violation of the College's requirement for honesty in academic work and may be treated as a case of academic dishonesty. The procedures regarding how the College deals with cases of academic dishonesty appear in The Compass, our student handbook, under the heading "Academic Policies – Honesty in Academic Work."

Students with Disabilities Students who need accommodations for learning disabilities must provide documentation from a professional qualified to diagnose learning disabilities. For more information see cornellcollege.edu/disabilities/documentation/index.shtml. Students requesting services may schedule a meeting with the disabilities services coordinator as early as possible to discuss their needs and develop an individualized accommodation plan. Ideally, this meeting would take place well before the start of classes. At the beginning of each course, the student must notify the instructor within the first three days of the term of any accommodations needed for the duration of the course.

Course ObjectivesThe course seeks to centers of structural geology and global tectonics. Material is presented through lecture, class discussion, reading of the primary literature, fieldtrips, and numerous problem sets and map-related exercises.

The course responds to the following four liberal arts objectives cited in Cornell's Educational Priorities and Outcomes:

- Knowledge: integrate and apply knowledge from a focused area of study as well as a broad general education which includes disciplinary and interdisciplinary perspectives in the arts, humanities, sciences and social sciences.
- Inquiry: Students will respond to the complexities of contemporary and enduring problems using information literacy tools, research skills, creative thinking, and analysis.
- Reasoning: Evaluate evidence, interpret data; and use logical, mathematical and statistical problem-solving tools.
- Communication: Students will speak and write clearly, listen and read actively, and engage with others in productive dialogue.

¹ Summary papers are short (<1 pg per article) single-spaced summaries of the readings and are graded based largely on how well they define the important issues of the paper. Questions, thoughts, and points for discussion should be included in these papers and then raised during our class discussion. A portion of the grade will be based on the quality of the writing.

² Quizzes will start promptly at 9:15 am and will end at 9:20 am. If you are late to class, you will not be given extra time to finish the quiz. If you miss class because of a school-sanctioned excuse, that day's quiz will not be factored into your final grade.

³ Participation involves contributing in a *responsible* and *thoughtful* way to lectures, discussions, fieldtrips, and, of course, requires regular and on-time attendance.