

	8 am lecture (Wednesday)	10 am lecture (Wednesday)		Lab (Thursday)
Feb 26th	L1: Earth composition 1: source of elements, supervnova	L2: Earth composition 2: Core formation, Late Heavy Bombardment de	JMS	No lab
March 4th	L3: Earth composition 3: A petrological perspective	L4: Earth composition 4: A geophysical perspective	JMS	Does plate tectonics occur on another planet?
March 11th	L5: Earth composition 5 - what is the evidence?	L6: Earth composition 6 - when did it begin?	JMS	Subduction Zones 1 - Google Earth + the earthquake record
March 18th	L7: Mantle melting 1: Element redistribution from the slab	L8: Mantle melting 2: oceanic lithosphere formation, composition	JMS	Subduction Zones 2 - Construct a subduction zone
March 25th	L9: Mantle melting 3: ocean island basalts, plumes	L10: Mantle melting 4: large igneous provinces	JMS	Subduction Zones 3 - why does lithosphere subduct?
April 1th	L11: Mantle melting 5: Continental rifting and magmatism	L12: Zealandia 1: total lithosphere composition	JMS	Zealandia 1 - lithosphere composition
April 8th	No lectures	No lectures		No lab
EASTER AND SEMESTER BREAK				
April 22nd	L13: Zealandia 3: Continent framework	L14: Zealandia 4: Island arcs and ocean basins	NM	Zealandia 2 - G-plates, plate rotation
April 29th	L15: Isostasy	L16: Isostasy	DJP	Isostasy
May 6th	L17: Stresses driving plate tectonics	L18: Viscosity	DJP	Viscosity 1 - crust
May 13th	L19: Inside the Crust 1: crustal layers	L20: Inside the crust 2: crustal strength	DJP	Viscosity 2 - mantle
May 20th	L21: Thermal evolution of orogenic belts 1: overthrust belts	L22: Thermal evolution of orogenic belts 2: overthrust belts	DJP	Heat and mass transfer
May 27th	L23: Thermal evolution of orogenic belts 3: extensional models	L24: Thermal evolution of orogenic belts 4: extensional models	DJP	Heat and mass transfer continued