

GEOS 272: The Geology of Australia: Global Perspectives

LECTURE AND PRACTICAL SCHEDULE (Semester 2: Tuesdays; E7A 123)

Week	LECTURE 12 noon to 1 pm	PRACTICALS Either 9-12 noon or 2-5 pm	
1 2/08	- Introduction [TR/ND] Overview of Australian Geology/Course introduction	Research Topics discussed	Google Earth – The Australian Plate: Tectonic elements, plate boundaries and economic deposits [TR]
2 9/08	Landforms and Impact craters [TR]		Google Earth – Mt Todd and Impact Craters in 3D [TR]
3 16/08	Eastern Highlands & Tertiary Basalts [KD]		Video presentation preparation
4 23/08	Sydney Basin [RF]	Presentation x 3	Base of the basin – what's underneath? Aerial Photograph interpretation [ND]
5 30/08	New England Fold Belt [RF]	Presentation x 3	Narrabeen Field Trip [ND/TR]
6 6/09	Lachlan Fold Belt [RV/ST]	Presentation x 3	Photomicrograph practical – igneous microstructure [RV/TR/ST]
7 13/09	Delamerian [ST/RV]	Presentation x 3	Photomicrograph practical – igneous microstructure [ST/TR/RV]
8 4/10	Snowball Earth [BS]	Presentation x 3	Neoproterozoic [BS]
9 11/10	Yilgarn, Pilbara and Gawler Economic deposits [BS]	Presentation x 3	Precambrian ore deposits
10 18/10	Zircons and what they tell us [EB/TR]	Presentation x 3	Zircon geochronology (isoplot) [EB/TR]
11 25/10	Australia and the Early Earth [EB/TR]	Presentation x 3	Zircon geochronology (detrital vs igneous ages) [EB/TR]
12 1/11	The growth of Eastern Australia: Dr. Richard Glenn (Australian Geologic Survey)		Review for final/video completions
13 8/11	Global tectonics and Australia: Prof. Bill Collins		Metamorphism and tectonics [RV/TR]

IMPORTANT DATES:

Weekly quizzes will be given after week 2 (10%)

Week 4 – Assignment 1 [Research Topic paper] (10%)

Week 9 – Assignment 2 [Narrabeen field work] (20%)

Weeks 4-13 – Presentations [3-4 minutes digital] (10%)

Final exam (date to be determined) (50%)

Unit Coordinator: A/Prof. Tracy Rushmer

With help from: A/Prof. Nathan Daczko

Contact Details: Tracy.Rushmer@mq.edu.au

E7A 423; 9850-8366