

# Red Sea Marine Sedimentology Course

9-18 January 2019

IUI – Eilat

## Wednesday, January 9

08:00-9:00	Intro	Intro to IUI, TAs intro, Groups (Project/JC) Selected, Pizza \$, Shopping Lists <i>Bracha/Noa/TK/BG</i>	
09:00-11:30	Prep	Dive Checks / Dive equipment check	<i>Diving Center</i>
**** <i>Non-divers/approved divers: shopping</i>			
11:30-13:00	L1	Intro to Marine Sedimentology (lunch at lecture)	<i>BG</i>
13:00-13:15	<b>BREAK</b>		
13:15-14:15	L2	Sampling methods	<i>TK</i>
14:15-14:30	<b>BREAK</b>		
14:30-15:30	Prep	Research Project Introduction	<i>TK/BG</i>
15:30-15:45	<b>BREAK</b>		
15:45-18:30	Lab1	Lab exercise: Introduction of protocols to use for projects	<i>TAs, TK/BG</i>
18:30-20:00	<b>DINNER</b>		
20:00-22:00	Prep	Research Project Group Preparation and discussion w/TA	<i>TAs</i>

## Thursday, January 10

07:00-see below	Field1	NBL+NBXb group to North Beach	
08:00-11:30	^ Field2a	Ship Shift A: Off-Reef Group (IUI +NBXa)	
12:00-15:30	^ Field2b	Ship Shift B: North Beach (NBL+NBXb ) IUI group dives	
13:00-16:15	^ Lab2	Initial processing in lab with morning collections	<i>BG</i>
16:15-17:15	Lab3	Longcore Opening (next to dorms)	<i>BG</i>
17:15-18:30	Lab4	Lab Processing, con't	
18:30-20:00	<b>DINNER</b>		
21:00-22:00	Lab5	Lab processing, con't (all samples by now in ovens)	<i>TAs</i>

## Friday, January 11

07:30-8:30	L3	Geology of the Region	<i>Yoni Shaked</i>
8:45		Bus leaves IUI	
8:45-14:00	^ Field3	Fieldtrip: Marine fossils and Sedimentary deposits	
~15:00		Return to IUI	

SHABBAT

## Saturday, January 12

18:00-20:00	JC	Final Journal Club Preparation (5 groups)	
20:00-20:15	<b>BREAK</b>		
20:15-22:00	JC	Journal Club Presentations	
*** XRF/gsize samples prepared for shipment north			

## Sunday, January 13

7:30-08:30		DORMS CLEANUP	
8:30-9:30	Prep	Directions: Project Presentations, Final Report, Data Tables	<i>Goodman &amp; Katz</i>
9:30-11:00	L4	Foraminifera in the Red Sea	<i>Shai Oron</i>
11:00-11:15	<b>BREAK</b>		
11:15-12:00	Lab8	Foraminifera identification in laboratory	<i>Shai Oron</i>
12:00-13:00	<b>LUNCH</b>		
13:00-15:30	Lab9	Processing samples in lab (Forams)	<i>TAs</i>
15:30-17:00	L5	Multi Proxy Analysis in Sediments	<i>BG</i>
17:00-19:00	Lab7	Processing samples in lab/17-19 shopping	<i>TAs</i>

19:00-20:00	<b>DINNER</b>		
20:00-22:00	Lab7	Processing samples in lab	TAs
<u>Monday, January 14</u>			
8:00-10:00	L6	Sediment Geochemistry: Stable Isotopes and Elemental Analysis	Yehudit Harlavan
10:00-10:15	<b>BREAK</b>		
10:15-12:15	Lab13	Geochemistry Simulations	YH
12:15-13:15	<b>LUNCH</b>		
13:15-14:15	L7	Sediment processes and coral reefs	Yoni Shaked
14:15-16:15	Field4	Guided Snorkel	Yoni Shaked
17:00-19:00	L8	Particle Flux, Sediment Traps, Animal-Sed Interactions	Timor Katz
19:00-20:00	<b>DINNER</b>		
20:00-22:00	L9	Floods in the GOA	Akos Kalman
<u>Tuesday, January 15</u>			
8:00-9:30	Lab	Foram Instructions/Splitting and Picking	Shai Oron
9:30-11:00	L11	Recent changes in shelf sediments offshore Israel	Barak Herut
11:00-11:15	<b>BREAK</b>		
11:15-12:45	L12	Anthropogenic Impacts in Marine Seds	Barak Herut
12:45-13:45	<b>LUNCH</b>		
13:45-15:45	Lab12	Processing samples in lab	TAs
15:45-16:00	<b>BREAK</b>		
16:00-17:00	L13	Data Arrived, now what? Data Tables distributed	Katz/Goodman
17:00-20:00	<b>DINNER</b>	Dinner, Processing samples in lab FINAL labtime!	TAs
20:00-20:30	L14	Calculations	
20:30-21:30	L15	Sediment Sources to the GOA	TK
<u>Wednesday, January 16</u>			
8:00-12:00	L16	Sedimentation and Radioisotope chronology of Sediments	Boaz Lazar
12:00-13:30	<b>LUNCH</b>	One group member goes shopping for group—	
13:30-14:30	L10	Geophysics, Mapping, Spatial Considerations	Mor Kanari
14:30-17:30	Lab15	Final lab work: Submit archives, archives, gsize LAB PROJECT CLEAN-UP PREPARATION OF RAW DATA CHARTS & RESULTS TABLES PREPARATION OF PRESENTATION	MK
<b>18:00</b>		<b>RESULTS Table submission deadline</b>	
19:00-20:00	<b>DINNER</b>	BBQ!!!	
By midnight--		Final Tables Distributed	
<u>Thursday, January 17</u>			
9:00-9:30	<b>Eval 1</b>	Course Evaluation	Noa/Bracha
09:30-12:00		Prep of presentations/computer work Part I	TAS+Mor*
13:00-18:00		Prep of presentations/computer work Part II (choose own lunchtime)	TAS+Mor*
<b>18:00-20:00</b>	<b>Eval2</b>	<b>PRESENTATIONS, SUMMARY, DISCUSSION</b>	
20:00-20:30		Summary of Course & Preparation for Final Exam & Dormitory clean-up	
<u>Friday, January 18</u>			
06:30-07:30		Clean-up & check-out from dormitories	
<b>07:30-09:30</b>	<b>Eval3</b>	<b>FINAL EXAM</b>	

Notes:

\*Groups sign onto schedule for time with Mor to plot results on map, 30 min per group

^ BRING LUNCH!

The schedule may (read: WILL) be subject to last minute changes and/or re-arrangement. If so, students will be informed throughout the course.