

# Egypt Geo-Ecological Gradient Summer School



- **Organized by:** Port Said University
- **Duration:** 12-Day Field Journey – Summer 2026 + Optional Day 13
- **Route:** Port Said – Ashtum El-Gamil & Lake Manzala – Camp Rashid – Cairo – Fayoum – Western Desert Oases – Luxor – Hurghada
- **Participants:** International Students and professionals.



## Detailed Visit Schedule

Day	Location	Main Activity	Group & Research Tasks
1	Port Said	Coastal & Heritage Tour	Analyze architectural heritage and the relationship between the city and the Suez Canal; record field notes and photographs.
2	Ashtum El-Gamil / Lake Manzala	Waterbird Census & Water Quality Testing	Conduct waterbird counts and measure in-situ water variables, including pH, EC, temperature, turbidity, and dissolved oxygen; assess environmental pressures and degradation risks.
3	Camp Rashid	Multi-Habitat Field Study	Compare Nile, agricultural, aquatic, and wildlife habitats; observe ecological adaptation, fish farming, and sustainable eco-tourism practices.
4	Cairo: Petrified Forest and Wadi Degla	Geomorphological Observation	Map geomorphological transects; interpret geoheritage features, fossil wood, valley morphology, and surface erosion processes.
5	Fayoum : Wadi El-Rayan	Desert & Lake Landscape	Assess tourism pressures around waterfalls, dunes, and lake margins; document wind-driven landforms and sunset safari observations.
6	Fayoum: Wadi El-Hitan & Tunis Village	Interpretation Paleontology & Eco-Crafts	Interpret stratigraphic sequences and whale fossils; link local pottery crafts to sustainable tourism.

Day	Location	Main Activity	Group & Research Tasks
7	Bahariya – Farafra – White Desert	Chalk Formation and Desert Landscape Study	Document unique desert landforms, including mushroom forms, pinnacles, chalk formations, and Crystal Mountain; observe arid-land beauty and desert sunset.
8	Dakhla Oasis	Heritage and Groundwater Observation	Link traditional Islamic architecture at Al-Qasr to water resources; observe groundwater-dependent agricultural patterns.
9	Kharga Oasis	Ancient Settlement and Sustainability	Analyze desert architecture and adaptation at El-Bagawat; discuss sustainability challenges in arid environments.
10	Luxor : East Bank	Nile Valley Cultural Landscape	Compare oasis and riverine urban development; interpret the ancient urban axis of Luxor Temple and the Avenue of Sphinxes.
11	Luxor : West Bank	Archaeology & Geomorphology	Analyze the relationship between funerary site selection, topographic protection, and mountain escarpments; prepare for the transition to the Red Sea.
12	Hurghada – Giftun Island	Marine Biodiversity and Final Synthesis	Observe coral reef health and marine biodiversity; discuss responsible marine tourism and conclude the 12-day geo-ecological journey.
13	Cairo Optional Day	Cultural & Social Closing	Explore the National Museum of Egyptian Civilization and Al-Muizz Street; enjoy a relaxed cultural walk, photography, and a social closing gathering.

Estimated cost: 2,200 \$ -25000 EGP



PORT SAID



LAKE MANZALA



WHITE DESERT



OASIS LANDSCAPES



LUXOR WEST BANK



RED SEA