

## Herpetology

Instructor: Zuhair Amr

### Topics

- Introduction to herpetology
- Origin of the Amniotes
- Overview on reptiles and amphibian evolution
- Temperature and water relation
- Energetics and performance
- Reproduction and life histories of amphibians
- Reproduction and life histories of reptiles
- Conservation of reptiles and amphibians
- Diversity of reptiles and amphibians in Jordan
  - Amphibians
  - Reptiles: Lizards, snakes and turtles

### Text Book:

Pough, F. H., Andrews, R.M., Cadle, J.E., Crump, M.L., Savitzky, A. H. & Wells, K.D. 2004. Herpetology. 3<sup>rd</sup> edition.

### Reading papers and books:

Amr Z. S. and Disi A. (2011), "Systematics, distribution and ecology of the snakes of Jordan," *Vertebr. Zool.*, 61, 179 –266.

Amr Z. S., Mebert K., Hamidan N., Abu Baker M., and Disi A. (2011), "Ecology and conservation of the Dice Snake, *Natrix tessellata* in Jordan," *Mertensiella*, 18, 393 –400.

Disi A. M. (2002), *Jordan Country Study on Biological Diversity: Herpetofauna of Jordan*, United Nations Environment Programme (NNEP). Amman.

Disi A. M. (2011), "Review of the lizard fauna of Jordan (Reptilia: Sauria)," *Zool. Middle East*, Suppl. 3, 89 – 102.

Disi A. M. and Amr Z. S. (1998), "Distribution and ecology of lizards in Jordan (Reptilia: Sauria)," *Faun. Abh. Mus. Tierkd. Dresden*, 21 (Suppl., Fritz U., Obst F. J., and Andreas B. (eds.), *Contribution to a "Herpetologia arabica,"* No. 6, 43 – 66.

Disi A. M. and Amr Z. S. (2010), "Morphometrics, distribution and ecology of the amphibians in Jordan," *Vertebr. Zool.*, 60, 147 – 162.

Disi A. M., Modry D., Necas P., and Rifai L. (2001), *Amphibians and reptiles of the Hashemite Kingdom of Jordan: An Atlas and Field Guide*, Chimaira, Frankfurt am Main.

### Grades

First Hour Examination	30
Laboratory and identification	10
Species account	10
Presentation	10
Final examination	40
Total	100