



אוניברסיטת בן-גוריון בנגב  
הפקולטה למדעי הרוח והחברה

**המחלקה לספרויות זרות ובלשנות – שנת הלימודים תשפ"א 2020-021**

**שם הקורס: שפה טבעית ותקשורת בעלי חיים**

**מס' קורס: 0.132.1.314**

**שם המרצה: ד"ר אולגה קגן**

**שעות קבלה: ימי ד', 13:00-14:00 בבניין 74 חדר 526**

**יעדי ההוראה:**

In this course, we will look at:

1. Properties that distinguish natural language from other communication systems
2. A range of animal communication systems used in nature
3. A range of experiments whereby attempts have been made to teach animals some version of human language

**A more detailed list of topics:**

1. Cognitive capacities of some species.
  - Predicting the level of a species' cognitive capacity
  - Self-recognition in a mirror
  - Theory of mind
2. How do we define language? How natural language differs from animal communication systems?  
Hockett (1960): A list of properties that characterize natural language.
3. Communication systems of several species
  - Honeybees
  - Red ants
  - Birds
  - Vervet monkeys
  - Campbell's monkeys
  - Chimpanzees
  - Dolphins
4. Artificial language experiments.
  - Kanzi the bonobo and lexigrams
  - Koko the gorilla and ASL

- Alex the grey parrot
- Akeakamai and Phoenix the dolphins. Language comprehension studies.
- Rocky the sea lion.

### דרישות והרכב ציון הקורס

חובה	נוכחות
100 % -	בחינת סוף הקורס
100% -	סה"כ

### רשימה ביבליוגרפית:

- Anderson, S.R. 2004. Doctor Dolittle's Delusion: Animals and the Uniqueness of Human Language. Yale University Press.
- Gardner, R. A. & B. T. Gardner. 1969. Teaching sign language in a chimpanzee. *Science* 165:664–67.
- Herman, L.M. , D. G. Richards & J. P. Wolz. 1984. Comprehension of sentences by bottlenosed dolphins. *Cognition* 16:129–219.
- Herman, L.M. 2009. Can Dolphins Understand Language? In: *Lacus Forum* 34.
- Herzing, D.L. 1996. Vocalizations and associated underwater behavior of free-ranging Atlantic spotted dolphins, *Stenella frontalis*, and bottlenose dolphins, *Tursiops truncatus*. *Aquatic Mammals* 22.2:61-79.
- Hillix, W.A. 2004. *Animal Bodies, Human Minds: Ape, Dolphin, and Parrot Language Skills*. Springer.
- Hockett, C.F. 1960. *The Origin of Speech*.
- Pepperberg, I.M. (1999). *The Alex Studies: Cognitive and communicative abilities of Grey parrots*. Cambridge, MA: Harvard University Press.
- Savage-Rumbaugh, S. 1994. *Kanzi: The Ape at the Brink of the Human Mind*.
- Sayigh et al. 2007. Facts about signature whistles of bottlenose dolphins, *Tursiops truncatus*. *ANIMAL BEHAVIOUR*, 2007, 74, 1631-1642.

**Additional reading material will be used. It will be stated which article or book chapter should be read for each class.**