**שם הקורס:** **נושאים נבחרים בעיבוד אותות**

**היקף הקורס:** **שעור:** 2 ש"ש **סמניר:** 1 ש"ש **נ"ז:** 2.5

**תקציר הקורס:**

In this course, the student is exposed to eminent topics in signal processing, such as:

* Edge detection from spectral data
* Rader’s FFT
* Spread spectrum from two perspectives
* Pseudo-random noise with applications
* Dither and dithering
* An application of thermal noise
* Multirate filtering and filter banks

Most of the study material are articles from academic journals and professional magazines.

At the end of the course, the student will understand the topics of the course, will be able to present an advanced topic and will be more accustomed to learning material through articles.