

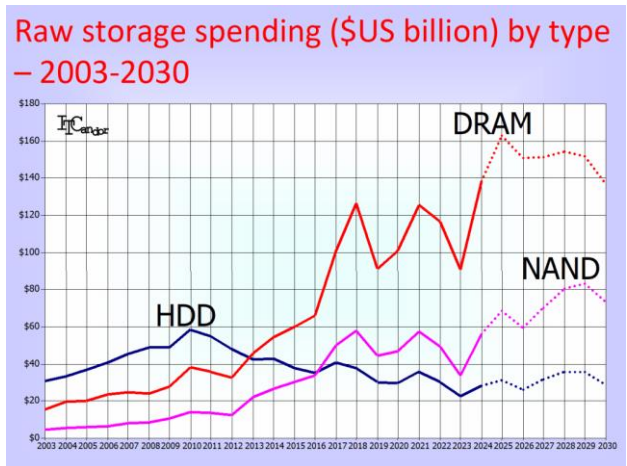
**סמינר במערכות אחסון מידע: מאה שנים של אחסון**  
**Seminar on Storage Systems: One hundred years of storage**  
**236834 אביב תשפ"ד**

מרצה:	ד"ר גלה ידגר
שעות הרצאה:	שני 12:30-14:30
דרישות קדם:	מערכות הפעלה (234123) - חובה מערכות אחסון (236322) ו/או מסדי נתונים (236363) ו/או תכנות מקבילי ומבוזר (236370) - יתרון

**תאור הקורס**

As part of the big-data revolution, the world has seen dramatic improvements in processing capabilities. Yet, first and foremost, this revolution relies on the ability to **store and access data efficiently**. Indeed, as the world's data grows exponentially, storage devices and systems have become larger, denser, and faster.

Through the prism of the storage media, we will learn when, why, and how the industry modifies legacy interfaces, rebuilds parts of the operating system, and redesigns applications in light of new technologies and new demands. We will follow a timeline of roughly one hundred years, beginning in the era of commodity tape and hard-disk drives and ending in the future prospect of glass-based and DNA-based storage systems.



<https://www.itcandor.com/raw-storage-q224>

The list of papers will be published shortly before the beginning of the semester.

**דרישות הקורס**

The course will combine lectures by the instructor with independent reading in a seminar format. Students will read important papers in the field and will present them in class along with their background.

- Attendance is mandatory (missing one week is allowed).
- Students are expected to familiarize themselves with each paper prior to class.
- *Undergraduate* students will present in pairs. *Graduate* students will present one paper each.
- There is no exam.

**רישום**

Please fill the following form to request registration: <https://forms.office.com/r/pf38cYxYZQ>