1 Staff

Lecturers

• Roy Schwartz (Lecturer in Charge - no frontal teaching)
• Yohay Kaplan
• Gilad Kutiel

Teaching Assistants

• Yaron Fairstein (TA in Charge - no frontal teaching)
• Ran Yeheskel
• Shafik Nassar
• Ayelet Kravi
• Rana Shahut
• Michal Friedman
• Zuphit Fidelman

2 Course Material

<table>
<thead>
<tr>
<th>Topic</th>
<th>Approx. Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breadth First Search (BFS)</td>
<td>2 hours</td>
</tr>
<tr>
<td>Depth First Search (DFS)</td>
<td>2 hours</td>
</tr>
<tr>
<td>Strongly Connected Components</td>
<td>2 hours</td>
</tr>
<tr>
<td>Minimum Spanning Trees (MST)</td>
<td>3 hours</td>
</tr>
<tr>
<td>Shortest Path Problem</td>
<td>3 hours</td>
</tr>
<tr>
<td>Greedy Algorithms</td>
<td>3 hours</td>
</tr>
<tr>
<td>Dynamic Programming</td>
<td>5 hours</td>
</tr>
</tbody>
</table>

• Including All-Pairs Shortest Path (APSP) Problem.

3 Grading

There will be two "magen" mid-term tests, each consisting of 10% separately. The rest of the grade is determined by the final exam.
4 Magen Mid-Term Dates

- Mid-term 1 will take place on Tuesday, May 8\textsuperscript{th}, 2018.
- Mid-term 2 will take place on Tuesday, June 5\textsuperscript{th}, 2018.

5 Exam Dates

- Moed A will take place on Tuesday, July 24\textsuperscript{th}, 2018.
- Moed B will take place on Wednesday, October 3\textsuperscript{rd}, 2018.

6 Workshops

Each week a collection of questions will be published. The questions will be solved in workshops held at the following week. We highly recommend solving these questions and participating in the workshops to make the most out of the course! In addition, the magen mid-terms will contain mostly questions from these collections.

7 Course Website

The course has an online website at [http://webcourse.cs.technion.ac.il/234247](http://webcourse.cs.technion.ac.il/234247). You are expected to visit the website and follow the updates frequently. The course also has a mailing list; make sure you are registered for receiving updates (Auto Update on the GR website).

8 Literature

The course textbooks are:

- **Lectures booklet**, written by Prof. Shlomo Moran in 2015

Notes regarding the books:

1. There is a third edition of the Introduction to Algorithms book. The course follows the second edition.
2. There is a Hebrew translation of Chapters 1-7 of the Algorithm Design book.