

| Course number | Course name                            | lucturer                | Mandatory/Elective | BS.C/MS.c/Ph.D | credit points | semester | Time                                                                                                        |
|---------------|----------------------------------------|-------------------------|--------------------|----------------|---------------|----------|-------------------------------------------------------------------------------------------------------------|
| 86-216        | Statistical Mechanics                  | Dr. Stas Burov          | Mandatory          | BS.C           | 2             | a        | <u>Lecture:</u><br>Sunday 16:00-18:00<br>Tuesday 14:00-15:00<br><u>Exercise:</u><br>Thursday 13:00-14:00    |
| 86-234        | Electromagnetism and Relativity Theory | Prof. Motti.Deutsch     | Mandatory          | BS.C           | 2             | a        | <u>Lecture:</u><br>Monday: 12:00-15:00<br><u>Exercise:</u><br>Tuesday 15:00-16:00                           |
| 86-311        | Quantum Mechanics I                    | Dr. Michael Stern       | Mandatory          | BS.C           | 2.5           | a        | <u>Lecture:</u><br>Wednesday 14:00-17:00<br><u>Exercise:</u><br>Thursday 10:00-12:00                        |
| 86-312        | Quantum Mechanics II                   | Prof. Dmitri Gutman     | Mandatory          | BS.C           | 2.5           | b        | <u>Lecture:</u><br><br><u>Exercise:</u>                                                                     |
| 86-362        | Introduction to Computational Physics  | Prof. Ronni Bartsh      | Mandatory          | BS.C           | 1             | b        | <u>Lecture:</u><br>Wednesday 14:00-16:00                                                                    |
| 86-370        | Solid State Physics                    | Prof. Richard Berkovich | Mandatory          | BS.C           | 3             | b        | <u>Lecture:</u><br>Sunday 12:00-14:00<br>Monday 12:00-14:00<br><u>Exercise:</u><br>Sunday 14:00-16:00       |
| 86-367        | Lab in Quantum Optics                  | Prof. Patrick Sebbah    | Elective           | BS.C/MS.c/Ph.D | 1.5           | a/b      | <u>Lecture:</u><br>Sunday 10:00-14:00                                                                       |
| 86-512        | Research workshop                      | Prof. Shimon Weiss      | Elective           | MS.c/Ph.D      | 1             | a        | <u>Lecture:</u><br>Tuesday 19:00-21:00                                                                      |
| 86-634        | Introduction to Quantum Computation    | Dr. Michael Stern       | Elective           | BS.C/MS.c/Ph.D | 1.5           | b        | <u>Lecture:</u><br>Monday 14:00-17:00                                                                       |
| 86-605        | Data science for physicists            | Dr. Amir Bashan         | Elective           | BS.C/MS.c/Ph.D | 1.5           | a        | <u>Lecture:</u><br>Thursday 17:00-20:00                                                                     |
| 86-676        | General relativity and cosmology       | Prof. Asaf Peer         | Elective           | BS.C/MS.c/Ph.D | 2             | b        | <u>Lecture:</u><br>Sunday 10:00-12:00<br>Thursday 12:00-13:00<br><u>Exercise:</u><br>Thursday 13:00-14:00   |
| 86-677        | Plasma Physics                         | Prof. Asaf Peer         | Elective           | MS.c/Ph.D      | 2             | a        | <u>Lecture:</u><br>Monday 14:00-16:00<br>Wednesday 10:00-11:00<br><u>Exercise:</u><br>Wednesday 11:00-12:00 |

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|--------|---------------------------------------------------------------------------|-------------------------|--------------------------------------------------------|----------------|-----|---|---------------------------------------------------------------------------------------|
| 86-683 | Introduction to Astronomy and Astrophysics                                | Dr. Ofek Birnholtz      | Elective                                               | BS.C/MS.c/Ph.D | 2   | b | <u>Lecture:</u><br>Tuesday 12:00-15:00<br><u>Exercise:</u><br>Thursday 11:00-12:00    |
| 86-730 | Physics and applications of (non-semiconducting) condensed matter devices | Prof. Amos Sharoni      | Elective                                               | BS.C/MS.c/Ph.D | 1.5 | b | <u>Lecture:</u><br>Tuesday 16:00-19:00                                                |
| 86-755 | Atomic Physics                                                            | Prof. Lev Khaykovich    | Elective                                               | BS.C/MS.c/Ph.D | 1.5 | a | <u>Lecture:</u><br>Thursday 9:00-12:00<br><u>Exercise:</u><br>Thursday 12:00-13:00    |
| 86-775 | Nonequilibrium Statistical Physics                                        | Dr. Stas Burov          | Elective                                               | BS.C/MS.c/Ph.D | 1.5 | b | Tuesday 9:00-12:00                                                                    |
| 86-803 | Advanced Quantum Theory                                                   | Prof. Richard Berkovich | MS.c - Mandatory<br>Ph.D - Elective                    | MS.c/Ph.D      | 2   | a | <u>Lecture:</u><br>Wednesday 16:00-18:00<br><u>Exercise:</u><br>Wednesday 18:00-20:00 |
| 86-804 | Quantum Field Theory                                                      | Prof. Jonathan Rohman   | Elective                                               | MS.c/Ph.D      | 1.5 | b | <u>Lecture:</u><br>Tuesday 15:00-18:00                                                |
| 86-818 | Methods of Mathematical Physics                                           | Prof. Nadav Shnerb      | BS.c - Elective<br>MS.c - Mandatory<br>Ph.D - Elective | BS.C/MS.c/Ph.D | 2   | b | <u>Lecture:</u><br>Wednesday 16:00-18:00<br><u>Exercise:</u><br>Wednesday 18:00-20:00 |
| 86-821 | Advanced Statistical Mechanics                                            | Prof. Ido Kanter        | MS.c - Mandatory<br>Ph.D - Elective                    | MS.c/Ph.D      | 2   | a | <u>Lecture:</u><br>Sunday 16:00-18:00<br><u>Exercise:</u><br>Sunday 18:00-20:00       |
| 86-831 | Physical Kinetics                                                         | Prof. Dmitri Gutman     | Elective                                               | MS.c/Ph.D      | 1.5 | b | <u>Lecture:</u><br>Monday 14:00-17:00                                                 |
| 86-840 | Quantum Optics                                                            | Prof. Avi Pe'er         | Elective                                               | MS.c/Ph.D      | 2   | a | <u>Lecture:</u><br>Tuesday 14:00-17:00<br><u>Exercise:</u><br>Tuesday 17:00-18:00     |
| 86-846 | Advanced Experimental Techniques                                          | Dr. Michael Stern       | Elective<br>(Experimental MS.c - Mandatory)            | MS.c/Ph.D      | 2   | b | <u>Lecture:</u><br>Tuesday 9:00-12:00<br><u>Exercise:</u><br>Tuesday 12:00-13:00      |
| 86-888 | Physics of Complex Systems                                                | Prof. Ronni Bartsh      | Elective                                               | BS.C/MS.c/Ph.D | 1.5 | a | <u>Lecture:</u><br>Tuesday 9:00-12:00                                                 |