MIDDLE EAST TECHNICAL UNIVERSITY  
Graduate School of Natural and Applied Sciences  
Micro and Nanotechnology Program  

MNT 501  NANOSCIENCE AND ENGINEERING PRINCIPLES  
(3-0) 3 credits

Tuesday (15:40 – 17:30) – Central Laboratory, Seminar Room  
Wednesday (15:40-17:30) – Central Laboratory, Seminar Room  
**Assistant of the course:** Ramona Davoudnezhad

<table>
<thead>
<tr>
<th>Date</th>
<th>Week</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 October</td>
<td>Week 1</td>
<td>First meeting is on 3 October! (Dr. Burcu Akata Kurç)</td>
</tr>
</tbody>
</table>
| 4 October  
11 October  
18 October      | Week 1-2-3 | Welcome notes and Properties of Nanostructured Materials 
(Prof. Dr. Bilge Imer)  
*Dr. Imer’s classes will be held only on WEDNESDAYS, starting at 14:40.* |
| 24-25 October  
31-1 November  
7-8 November     | Week 4-5-6 | Synthesis of Nanomaterials 
(Prof. Dr. Burcu Akata Kurç) |
| 14 November      | Weeks 7 | MIDTERM and due date for students to decide on a term paper         |
| 21-22 November  
28-29 November  
5-6 December      | Weeks 8-9-10 | Nano and microfabrication techniques 
(Assist. Prof. Kivanc Azgin) |
| 12-13 December  
19-20 December    | Weeks 11-12 | Introduction to the concept of nanoscience, nanomedicine, and nanobiotechnology 
(Prof. Dr. Nesrin Hasirci) |
| 26-27 December  
2-3 January       | Weeks 13-14 | Nanophotonics (Assist. Prof. Emre Yuce)                            |
| 9 January TUESDAY |       | Midterm-2 and term paper due date!                                 |