

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 Beyaz Amfi
Wednesday (15:40-17:30) – Central Laboratory Beyaz Amfi
Assistant of the course: Duygu Kuzyaka

<i>23 September</i>	Week 1	Welcome notes and Introduction to the concept of Nanoscience and Nanotechnology: Assoc. Prof. Burcu Akata Kurç, Prof. Şakir Erkoç
<i>24 September 30 September-1 October</i>	Week 1-2	Properties of Nanostructured Materials (Assoc. Prof. <i>Emrah Ünal</i>)
<i>7-8 October</i>	Week 3	BAYRAM
<i>14-15 October</i>	Week 4	Properties of Nanostructured Materials (Assoc. Prof. <i>Emrah Ünal</i>)
<i>21-22 October 28 October 4-5 November</i>	Week 5-6-7	Synthesis of Nanomaterials (Assoc. Prof. Burcu Akata Kurç)
11 November	Weeks 8	11 November: MIDTERM and due date for students to decide on a term paper
<i>12 November 18-19 November 25-26 November 2-3 December</i>	Weeks 8-9-10-11	Nano and microfabrication techniques (Prof. <i>Tayfun Akın</i>)
<i>9-10 16-17</i>	Weeks 12-13	Catalysis and chemical reaction engineering at the nanoscale (Prof. <i>Deniz Üner</i>)
<i>23-24 December 30 December</i>	Weeks 14-15	Introduction to the concept of nanoscience, nanomedicine, and nanobiotechnology (Prof. <i>Nesrin Hasırcı</i>)
6 January TUESDAY		FINAL and term paper due date!