1. 4.7 Multilayer coatings. **Ahmad**
2. 5.1 Constitutive relation in crystals. **Bayan**
3. 5.2 Plane wave propagation in crystals. **Amira**
4. 5.3 Uniaxial and Biaxial crystals**. Sara**
5. 5.4 Refraction at a Uniaxial Crystal Surface **Hamza**
6. 5.5 Poynting vector in a uniaxial crystal. **Yusef**
7. 4.3 Beyond critical angle: Tunneling of evanescent waves. **Taqwa**
8. 4.4 Periodic multilayer stacks. **Nadea**
9. 7.5 Quadratic dispersion. **Diaa**
10. Appendix 2.A Radiometry, Photometry, and color. **Shaimaa**
11. 8.4 Fourier Spectroscopy **Remah**
12. 13.1 Stefan Boltzman Law **Athar**
13. 13.2 Failure of the equipartition principle. **Ameed**
14. 13.3 Planck’s Formula **Israa**
15. Einstein’s A and B coefficients. **Ahlam**
16. Appendix 2.B Clausius Mossotti relation **Alaa**
17. 3.6 Reflections from a metal **Niveen**
18. Appendix 6.A Ellipsometry **Zahra**
19. 2.5 Index of refraction for a conductor **Rouaa**
20. 2.4 The Lorentz model for dielectrics. **Safa**

Each student should prepare a 5-7 minute presentation. You can use powerpoint, or any other way to make your short lecture.

Grades will depend on: Clarity of presentation; references; questions; time management; The lecture should be in English ( as much as possible).