**Calendar**

|  |  |  |
| --- | --- | --- |
| **WEEK #** | **TOPICS** | **DETAILS** |
| 01 | Introduction | Chapter 1 |
| 02 | Size-dependant Properties and Application of Organic Nanomaterials | Chapter 1 |
| 03 | Design of Nanomaterials based on Microemulsion Physics | Chapter 2 |
| 04 | Stability of Microemulsions  Formation Mechanisms of micelles and Microemulsions | Chapter 2 |
| 05 | Synthesis of Nanomaterials from Microemulsions | Chapter 2 |
| 06 | 1st Midterm Examination | (Individual presentation) |
| 07 | Theories of Sol-gel Chemistry | Chapter 3 |
| 08 | Experimental Approach | Chapter 3 |
| 09 | 2nd Midterm Examination | (Individual Presentation) |
| 10 | Physical Vapor Deposition  Chemical Vapor Deposition | Chapter 4 |
| 11 | Introduction and Structures of CNTs | Chapter 4 |
| 12 | Properties of CNTs | Chapter 4 (Individual Presentation) |
| 13 | Microstructure Based on Block Copolymers  General Theories of Block Copolymers | Chapter 5 |
| 14 | A Closer Look at Microstructure  Applications of Copolymers | Chapter 5 |
| 15 | Final Examination | (Team Presentation) |