




## MS331: Nanomaterials Science and Technology

 Class Time MTWTh 14:00 – 17:00

 Location To be announced

 Credit 3

 Instructor Professor Jihun, Oh([jihun.oh\(at\)kaist.ac.kr](mailto:jihun.oh@kaist.ac.kr))

 Required Materials

### Course Summary

This course introduces fundamental knowledge on nanoscience and nanomaterials. Broad spectrum of nanoscience, such as nanoscale characterization, nanomaterials, and nanofabrication technology, will be discussed from fundamentals to numerous examples.

1. Physical properties at nanoscale
2. Thermodynamics at nanoscale
3. Characterizations techniques at nanoscale
4. Nanofabrication technology
5. Examples of nanomaterials

### Course Evaluation

Attendance and problem sets: 30%

Mid-term exam: 35%

Final exam: 35%