Applied Statistical Physics

2 units (selection)

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Target〉 Learn to apply the statistical physics

Outline〉 Concerning the mechanisms and phenomena in materials processing, lectures are given in method for analyzing the results on the basis of the statistical physics.

Style〉 Lecture

Notice〉 授業を受ける際には，2 時間の授業時間毎に 2 時間の予習と 2 時間の復習をしたうえで授業を受けることが，授業の理解と単位取得のために必要である．

Goal〉

1. points of view in statistical physics
2. applying statistical physics to the practical problem

Schedule〉

1. Thermodynamics of non-equilibrium and non-uniform systems I
2. Thermodynamics of non-equilibrium and non-uniform systems II
3. Thermodynamics of non-equilibrium and non-uniform systems III
4. Advanced statistical mechanics I
5. Advanced statistical mechanics II
6. Advanced statistical mechanics III
7. Exercise I
8. Examination I
9. Advanced statistical mechanics IV
10. Advanced statistical mechanics V
11. Advanced statistical mechanics VI
12. Transport phenomena I
13. Transport phenomena II
14. Transport phenomena III
15. Exercise II
16. Examination II

Evaluation Criteria〉 60 点以上を合格とする．

Contents〉 http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=216577

Contact〉

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