**Choi Nong 2018-2019 S2 STEM Course Syllabus for Fundamental Physics and Calculus**

**Lecturer**: Wei Shan Lee (李維善)

**Email**: [weishan\_lee@yahoo.com](mailto:weishan_lee@yahoo.com)

**Class Time**: AM 10:50~12:15, Friday.

**Room**: Physics Lab.

**Office Hour**: AM 8:25~12:15. PM 2:00~ 5:35.

I will be at the lab most of the daytime. Just drop by my office if you have any questions.

**Grading Policy**:

Problem Sets: 40%.

Experimental report: 5%.

Term Test: 25%.

Oral presentation: 15%.

Final paper 15%.

**Problem Sets and Reports Policy**:

The problem sets should paraphrase the problems succinctly (do not just copy and paste the original problem sentences). Discussions among students about homework problems are warmly encouraged. However, everyone should solve the problems themselves and write down their own answers. Do not just copy answers from classmates. Trust me, I will find out duplicated answers and I will give both of you zero marks. The problem sets and reports should be handed in before class. Late problem sets and reports WILL NOT be marked and will be given a mark of zero.

**Main textbook**:

Halliday, Resnick, and Walker, Fundamentals of Physics.

Course notes.

**References**:

Classical Dynamics of Particles and Systems. S.T. Thornton and J.B. Marion.

Introduction to Electrodynamics, D.J. Griffiths.

Introduction to Quantum Mechanics, D.J. Griffiths.

Thermal Physics, C. B. P. Finn.

A review of Undergraduate Physics, Mayman / Hamermesh.

The Feynman Lectures on Physics.

普通物理實驗課本，黃勝良、吳秀錦，國立清華大學物理系出版，1995年。