

PHYS 5660 Semiconductor Physics and Devices

2020-2021 Term 2 (Jan – April 2021)

Course Instructor: Pak Ming Hui

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You are welcome to email me for questions or making an appointment for online consultation

Course webpage:

<http://www.phy.cuhk.edu.hk/course/2020-2021/2/phys5660/>

This is the place to download class notes, problem set questions, problem set solutions, and other learning materials. Course description and a list of books are given in the front page of the course webpage. You can find taped lectures and your homework scores in Blackboard.

Lectures/Tutorials:

Mondays 12:30am – 14:15am

Fridays 9:30pm – 11:15pm

[Zoom links were sent via emails, and posted inside Blackboard]

Teaching Assistant

Ms. Xiao WU xwu@phy.cuhk.edu.hk

TA Consultation Hours: Mondays 14:30 – 16:30

Assessments:

Problem Sets/Homework: 40%

Term Paper: 48% Presentation: 12%

About Problem Sets and Term Paper:

- Problem Sets are designed to help you think through the course contents, understand the concepts and methods, and practice
- **Independent work expected**, although you are encourage to discuss with classmates
- Academic Honesty – CUHK has a zero tolerance policy against plagiarism (don't copy homework). See <http://www.cuhk.edu.hk/policy/academichonesty/> for University policy and advices.
- **T+2 Policy:** Problem Sets should be submitted on or before the due date **T**. Students may submit their work no later than 2 days after the due date (thus T+2), but there will be a 20% discount on the score of that assignment.
- You should submit your homework to a submission folder inside Blackboard.
- **Term Paper:** Term Paper should go through VeriGuide before submission to folder in Blackboard. Further announcements regarding the Term Paper will be made.

Textbook:

M. Balkanski and R. F. Wallis, Semiconductor physics and applications, Oxford University Press (Oxford, 2000) [QC611.B185 2000]

See course page for a list of books