

2021.06.21

Orientation



서울대학교
SEOUL NATIONAL UNIVERSITY

Department of Chemistry

PChem 2

Physical Chemistry 2

Jiho Son

Physical Chemistry 2

Lecture 0. Simple Orientation

June 21st, 2021

paradichlorobenzene1724@gmail.com
kadryjh1724@snu.ac.kr

Greetings!

Welcome to *Physical Chemistry 2* course!



Chemistry
SEOUL NATIONAL UNIVERSITY

학부소개

교수/연구

교육/학사

입학/장학

새소식/행사

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학부 교과과정

학사과정 교과과정 안내

학사과정 전공교과목 이수 표준형태

전공선택 인정교과목

타대개설 교과과정 안내

핵심교양 교과과정 안내

※ 학년 구분은 편의상 구분한 것으로 2학년 때 3학년 과목을, 3학년 때 2,4학년 과목이나 4학년 때 3학년 과목을 자유롭게 택할 수 있다.

구분	1학기	2학기
2학년	300.219A* 분석화학 I 3343.205* 유기화학 I 3343.207* 물리화학 I 886.034 화학생물학입문	3343.206* 유기화학2 3343.301A* 물리화학2 3343.404A 분석화학 II
3학년	3343.306A* 무기화학1 3343.307* 물리화학3 3343.310* 기초생화학 3343.312 물리분석실험 M1409.000100 현대화학세미나	3343.304 고분자합성 3343.309 무기화학2 3343.311 대사생화학 3343.313 유기무기실험 3343.410 양자화학
4학년	300.314 생화학실험 886.404 고분자화학개론 3343.308 물리유기화학개론 3343.406 화학연구실험 3343.412 계산화학	3343.402A 나노소재화학 3343.406 화학연구실험 3343.409 분자생화학 3343.411 분자설계 및 합성

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Pre-requisite for *Physical Chemistry 2*

Essential prerequisite

Chemistry 1 & 2 (or *Advanced Chemistry* course)

Calculus 1 & 2 (you need freshmen-level mathematics to understand this course)

Elective prerequisite

Linear Algebra 1 & 2 (definitely helps you understanding quantum mechanics)

Not a prerequisite

Quantum Physics 1 & 2

Differential Equation

Notes

One does not need knowledge about *Physical Chemistry 1* to attend this course.

This course is (recommended) prerequisite for *Physical Chemistry 3*, *Quantum Chemistry*, or *Computational Chemistry*.

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Textbooks and References

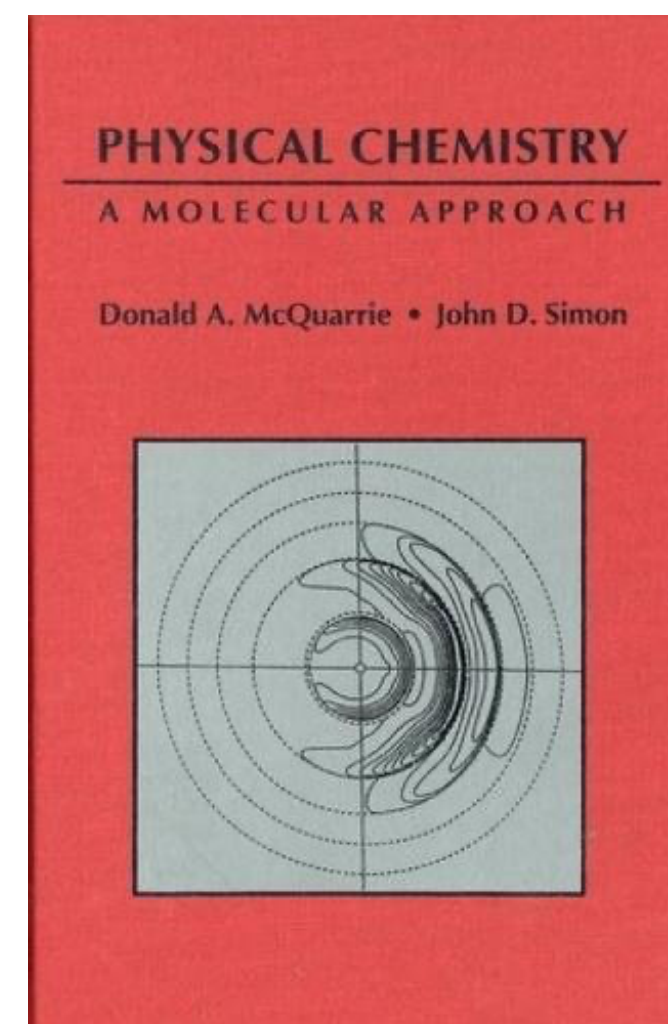
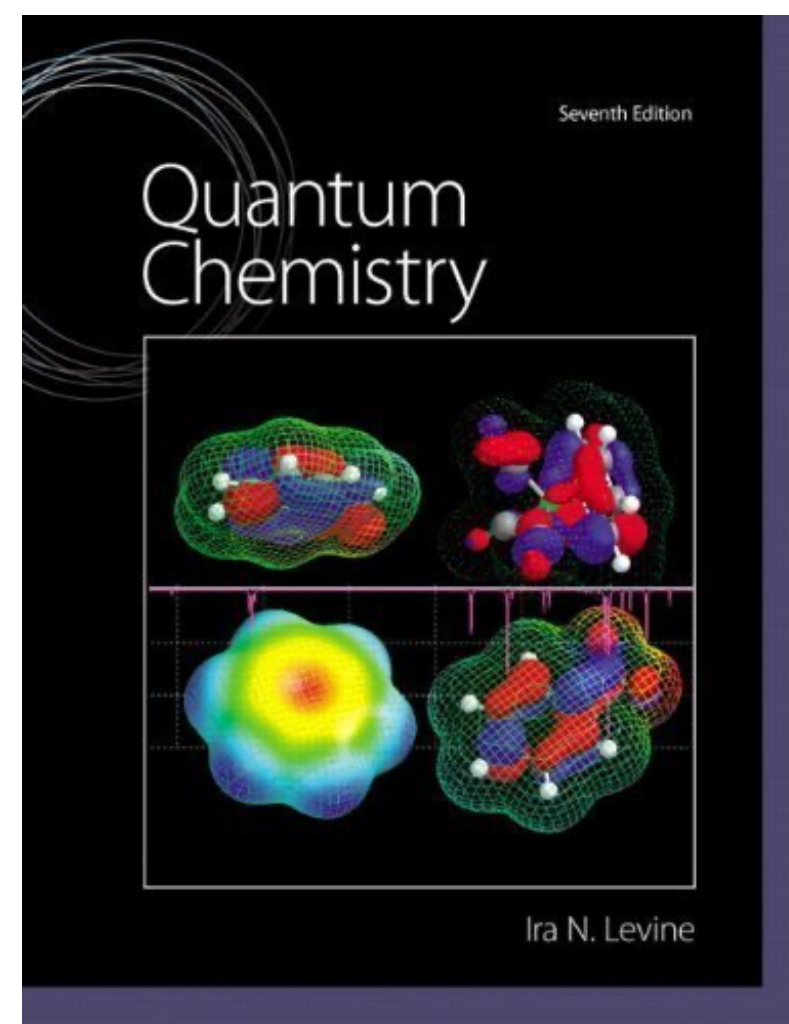
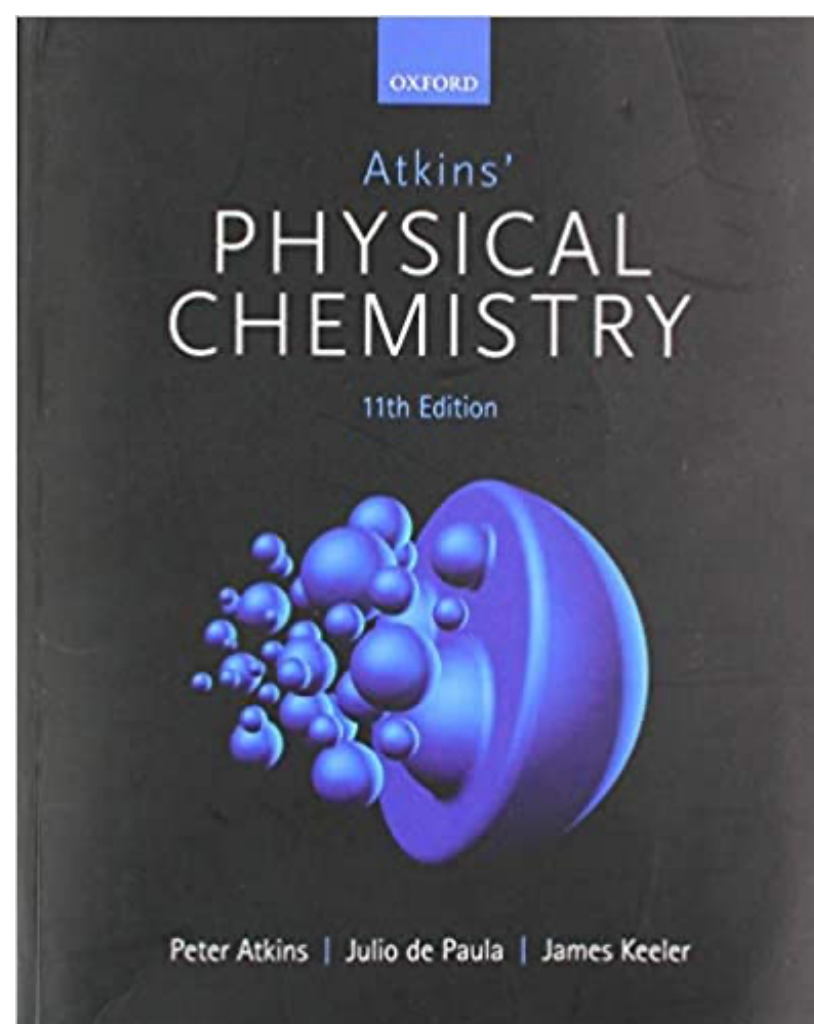
Main Textbooks

Atkins, P.; de Paula, J.; *Atkins' Physical Chemistry*, 10th ed.; Oxford, 2014.

Atkins, P.; de Paula, J. *Atkins' Physical Chemistry*, 11th ed.; Oxford, 2018.

Levine, I. N. *Quantum Chemistry*, 7th ed.; Pearson, 2014.

McQuarrie, D. A.; Simon, J. D.; *Physical Chemistry: A Molecular Approach*, 2nd ed.; University Science Books, 1997.



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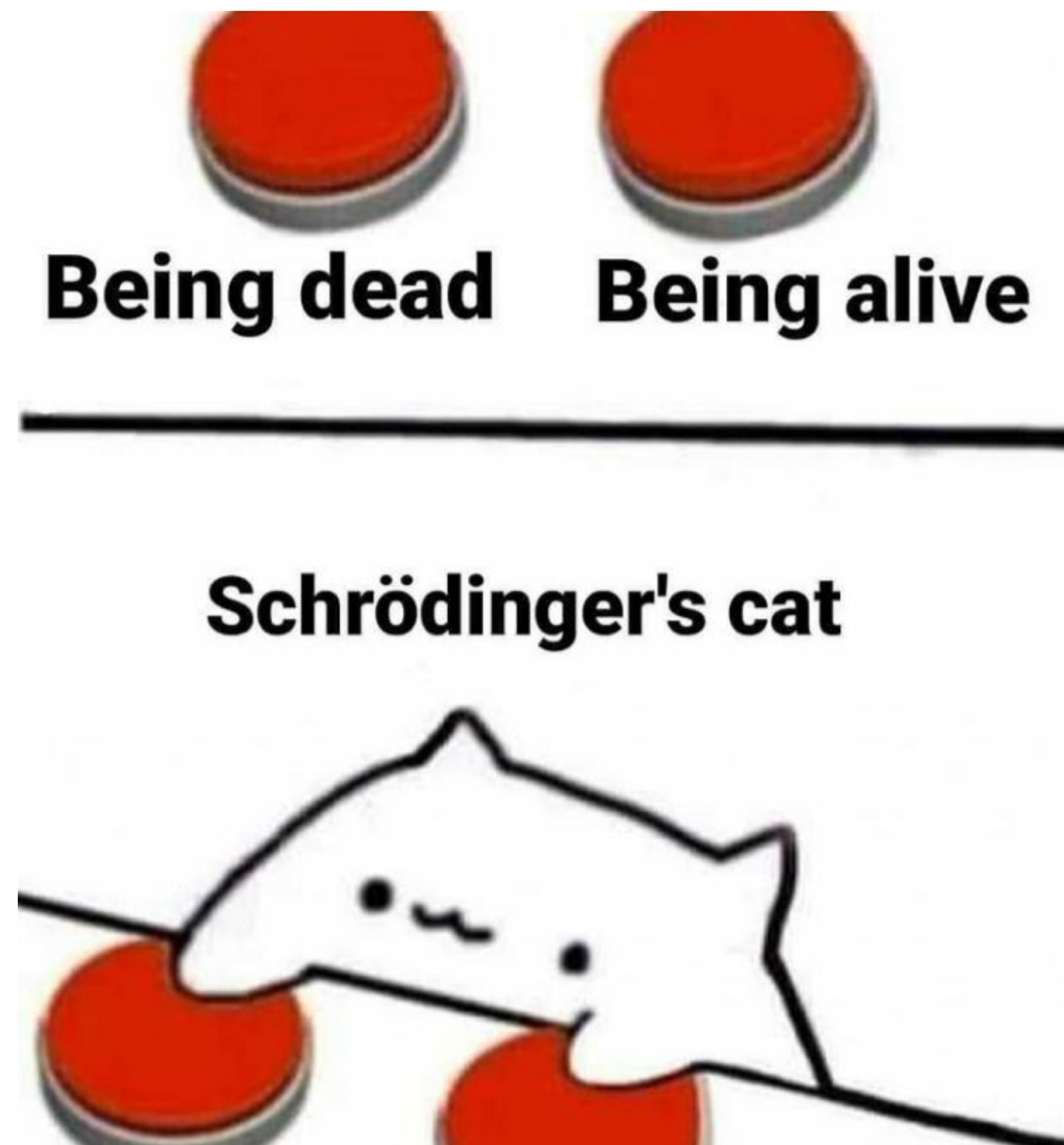
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Curriculum & Do-It-Yourself Problem Set

Check curriculum in syllabus. Syllabus may vary depending on the situation.

Problem sets will be provided. Of course, it is not mandatory.
However, dealing with those problems certainly help you in the real class in fall.



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