

Physical Chemistry for Pharmacy

Kristine Spildo (Ph.D, Associate Prof.)

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COURSE INFORMATION

Course code FARM211

Course title Physical Chemistry for Pharmacy

Credits 10

Examination writing exam

The course contains a thorough presentation of thermodynamics laws and relative topics in pharmaceutical technology, such as macromolecular and colloid. The course builds contents on due concepts of thermodynamics introduced in FARM110. The course deals with chemical equilibrium, phase equilibria phase diagram, characteristics of the liquid mixtures and solutions. The main concepts and phenomena will be investigated in the laboratory section.

Syllabus is based on ATKINS' PHYSICAL CHEMISTRY, by Peter Atkins and Julio de Paula, 10th Edition.

Note: This is a tentative schedule so that you can prepare for lectures. The contents of exercises will come after the lectures. If a lecture takes longer or shorter than planned, there will be deviations from the plan.

COMPULSORY READING

Peter Atkins and Julio de Paula, ATKINS' PHYSICAL CHEMISTRY, 10th Edition

INSTRUCTOR INFORMATION

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LECTURES

Date	Theme	Reading
28 Aug - 19 Nov	Thermodynamics	Chapters 1, 2, 3, 4, 5, 6A, 6B
20 Nov - 26 Nov (week 47)	Macromolecules and self-assembly	Chapter 17
30 Nov - 2 Des (week 48)	Molecules in motion	Chapter 19
4 Nov - end	Exercise	

For the first part of the lecture (regarding thermodynamics), the syllabus is identical to KJEM210, so please check KJEM210 on MITT UIB for more information.