Title of the Course: Physical Chemistry of Proteins
Score: ٢ Credits

Aim of the course:
The aim of this course is the understanding of the pathways and intermediates of protein folding/unfolding and relation with protein structure and function is taught

Subtitles:
Protein folding and its stages
The role of intermediates in protein folding
The role of molten globule in protein folding
The role of disulfide bond in protein folding
The role of temperature in protein folding
The role of ionic strength, pH, solvent, pressure, temperature, salts in protein folding
The role of conformational states in protein folding
The role of domain assembly in protein folding
The kinetic pathways in protein folding
Forecast and prediction in protein folding

References:
- R.H. Pain, "Mechanisms of protein folding", IRL Press, Oxford, ١٩٩٤.
- B.A. Shirley, "Protein stability and folding", Humana Press, New Jersey, ١٩٩٥
- A.A. Moosavi–Movahedi, et al. “Protein Structure” University of Tehran Press, ٢٠٠٤
-T. B. Roberson “The Physical Chemistry of the Proteins”, Franklin Classics, ٢٠١٨