	Introduction to Soft Matter Physics				

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	Introduction to Soft Matter Physics is a multi-topic course taught by a variety of specialists. Topics include: • Liquid Crystals • Polymers • Structured Membranes • Active matter • Granular material • Biological systems • Rare events • Nonequilibrium statistical physics • Computational Neuroscience		

	General Soft Matter Physics: • Soft Matter Physics: An Introduction, by M. Kleman and O. Laverntovich • Soft Matter Physics, by M. Doi				

- Principles of Condensed Matter Physics, by P. Chaikin and T. Lubensky

Liquid Crystals:
- Introduction to Liquid Crystals Chemistry and Physics, by P.J. Collings and M. Hird
- Liquid Crystals (2nd ed.), by S. Chandrasekhar
- The Physics of Liquid Crystals, by P.G. de Gennes and J. Prost

Polymers:
- The physics of polymers, by Gert Strobl
- Polymer Physics, by Rubinstein and Colby
- Introduction to Polymer Physics, by M. Doi
- Scaling concept in polymer physics, by P.G. de Gennes

Membranes:
- Statistical Mechanics and Membranes and Surfaces (2nd ed.), edited by D. Nelson and S. Weinberg
- Statistical Thermodynamics of Surface, Interfaces, and Membrane, by S. Safran
- Lipid   As a Matter of Fat, by O. G. Mouritsen, and O. Mouritsen

Computational Neuroscience:
- Spiking Neuron Models: single neurons, populations, plasticity, by Wulfram Gerstner and Werner Kistler
- Theoretical Neuroscience, by Peter Dayan and Larry F. Abbott
- Biophysics of Computation: Information Processing in Single Neurons, by Christof Koch