

Phys 685

(Neutron Scattering)

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact hours
- Neutron sources, type of neutron sources, Diffraction, constituents of Diffractometer	5	15
- Introduction to elastic neutron scattering theory .	2	6
- Calculations of self terms and form factors of some molecules.	3	9
- Small Angle Neutron Scattering, Polarized neutrons,	3	9
-Experimental Technique	1	3
- Data treatment.	1	3
Total	15	45