sessions provide training in the utilization of x-ray diffraction methods for the identification and characterization of crystallographic properties of commercial materials.

The powder method of x-ray analysis program, June 12 to 15, is designed to meet the needs of beginning students. Advanced Methods of X-Ray Analysis, June 19 to 23, is offered to students who are already familiar with fundamentals of x-ray diffraction. Each course is comprised of five days of lectures and laboratory, with special emphasis given to practical applications.

Enrollment is limited. Full information may be obtained from Prof. Leonid V. Azaroff, Illinois Institute of Technology, Technology Center, Chicago 16, Ill.

MIT Schedules Two Weeks on Infrared Spectroscopy

Two integrated one-week courses on infrared spectroscopy will be given by the spectroscopy laboratory and the department of chemistry at the Massachusetts Institute of Technology this summer. The first, Technique of Infrared Spectroscopy, is scheduled from July 17 to 21; and the second, Applications of Infrared Spectroscopy, will run from July 24 to 28.

The techniques course is designed for those who wish to obtain an introduction to spectroscopic instrumentation and laboratory methods. The applications course is for those interested in learning to use infrared spectra in solving chemical problems. Admission is restricted to persons having at least a bachelor's degree. No previous IR experience is necessary for the techniques course, but some background in elementary theory of molecular spectra will be helpful to persons attending only the applications program.

Those persons interested in further information should write to the Director, M.I.T. Spectroscopy Laboratory, Massachusetts Institute of Technology, Cambridge 39, Mass.

Minnesota Announces Summer IR Spectroscopy Courses

The University of Minnesota is offering its 3rd annual series of courses