

Department of Agricultural Bacteriology.

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1. (a) The department offers, as a basis for major study, courses in Soil Microbiology and Dairy Bacteriology. These are supplemented by courses in Systematic Bacteriology, and on Fermentation organisms of both agricultural and industrial importance.

The above programme of work is outlined to cover the possible requirements of students in agricultural and other lines of bacteriology, other than that of pathology. The aim is to raise the standard of basic knowledge of biological processes carried out by micro-organisms. The course on Systematic Bacteriology is essential and required by graduate students who are candidates for the M.Sc. degree; this course is taken in the first term of study. Either of the courses on Soil and Dairy Bacteriology, forms the basis for thesis and experimental work, and occupies the whole year. Studies on fermentation organisms may be taken in the second term, or alternatively, a student may elect to take instead a course such as Biochemistry, in the Department of Agricultural Chemistry. It is hoped that by making use of the facilities offered by the adjoining Stock Farm, Dairy and experimental plots, the student will be able to carry out thesis work on a wider scale, and to gain an understanding of microbiological processes going on under natural conditions. The facilities for such work also lie in adequate laboratory space and a considerable amount of the necessary equipment of the usual kind.