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Agricultural and Veterinary Institution.

It will be seen from an advertisement on our last page, that a class is about to be formed in this city, for the encouragement among our young farmers of the study of Agriculture in its scientific and practical relations, and of the Veterinary art, in reference to the Anatomy, Physiology, Diseases and their modes of treatment of farm animals. The latter will comprise the history of the different races, and the principles of breeding, with appropriate illustrations. Mr. Smith is familiar with the most approved methods of treating in Europe, being himself a licenciate of the old Veterinary College of Edinburgh, where he attained high standing, and will study to adapt his instructions to the capacity and special wants of his students, who will have additional opportunities of facilitating their studies by engaging in dissecting and the use of instruments.

In the department of Agriculture, Professoruckland will receive valuable assistance from several of his colleagues in University College, in Chemistry, Geology, Botany, Entomology, and other branches of Natural History, all of which have important bearings on the theory and practice of Agriculture. The composition of soils, plants and animals, will be as fully treated of as the time will admit, with descriptions of the most approved implements and machines, and the principles

on which they act. Manures, their composition and modes of action; rotation of crops, and a description of the various products of the farm, and their comparative value; the alteration and construction of Farm Buildings, the laying-out of fields, fencing, road-making, fruit and ornamental planting, will also receive attention.

The chief design of these lectures is to point out to young men actually engaged in farming, who have not had the means or opportunity of making themselves acquainted with the scientific principles on which the agricultural art is based, *the cheapest and readiest way of acquiring this knowledge*. With this great end in view the pupils will be fully instructed how to read and study the best treatises on the various subjects that will come under their consideration, and to form a correct habit of observing, recording, and applying the agricultural phenomena of daily life. As the successful prosecution of agriculture, as a business, greatly depends on a correct and vigilant habit of every-day observation, the opening of the eye and the exercise of the reason and judgment on the changes that occur in nature, and in the markets of commerce, great pains will be taken to develop these qualities in the class, *and to prepare young men to think, study, and observe for themselves*. It being intended to form a class of this character every winter, its studies will as far as possible be made complete in one