

## Science Hall.

### SUMMER CLASSES.

**S**UMMER Classes, whose object is to assist teachers and others who cannot attend the University during the Winter Session in completing a course in Arts, will be opened next June. The Science laboratories will open on the 29th of June, but regular lectures will not begin until the 2nd of July. The following courses of instruction are offered :

#### A.—ANIMAL BIOLOGY.

Prof. A. P. Knight, M.A., M.D.

1. Beginner's class. Lectures with laboratory work.
2. Advanced class. Histology, lectures and practical work with the microscope.

Open only to those who have already taken course 1, or its equivalent.

#### B.—LATIN.

Asst. Prof. A. B. Nicholson, B.A.

1. An elementary class dealing with grammar, easy reading and exercises in prose composition.
2. An advanced class. The reading of an author, with prose exercises based on the text.

Open only to those who have taken course 1, or its equivalent.

#### GREEK.

1. An elementary class, as in Latin.
2. An advanced class, as in Latin.

Open only to those who have taken course 1, or its equivalent.

#### C.—CHEMISTRY.

Carl Lehmann, Ph.D. (Leipsic).

1. A course of lectures in general Chemistry with laboratory practice.
2. Qualitative analysis.
3. Quantitative analysis.

Open only to those who have taken courses 1 and 2, or their equivalents.

**OCCASIONAL LECTURES.**—Occasional lectures will be delivered in the John Carruthers Science Hall, by the following Professors:

Selected Topics in English Literature.—Prof. J. Cappon, M.A.

Lectures in Political Science.—I. The Economic Relations of Chemical Industries. II. The Biological Basis of Civilization. III. Bi-metallism. Prof. Adam Shortt, M.A.

Lectures in Mental Diseases.—I. Imbecility in Relation to Organic Evolution. II. Insanity in Relation to Organic Evolution. Prof. C. K. Clark, M.D., Superintendent of Rockwood Hospital for the Insane.

These occasional lectures are free to all who may wish to attend them.

**FEES.**—The fee for any one of the regular classes will be \$10, payable in advance to the Registrar. On payment of the fee the Registrar will issue a ticket admitting the student to the class desired.

**ENTRANCE.**—No student will be allowed to attend more than two classes. While the classes are open to all who may desire a knowledge of the subjects

taught, the work done in Science will be adapted more particularly to the needs of Science teachers. The classes in Latin and Greek will aim at assisting teachers or students to prepare for the regular University examinations in these subjects. These examinations are held only in April and September.

#### PROSPECTUS IN ANIMAL BIOLOGY.

**BEGINNERS' COURSE.**—The beginner's course will go over much the same ground as is covered by Boyer's Elementary Biology (animal types). The lectures will treat of protoplasm, cells, cell division, reproduction, early stages of development, tissues, organs, differences between animals and plants, and a general view of the invertebrata and of vertebrata. These lectures will be illustrated by diagrams, charts and lantern transparencies. The laboratory work will consist of such dissections and demonstrations as will elucidate the subject of the lectures.

This course will be accepted as equivalent to the Junior class in Animal Biology in Arts, Medicine, or Veterinary Science, and all students attending it will be admitted to the regular University examination in April or September on payment of the examination fee.

**ADVANCED COURSE.**—The advanced course will consist of twenty lectures and forty hours laboratory work, and is intended to serve as an introduction to the histology of animals. Students will be taught how to use the compound microscope, and how to make and mount microscope specimens. Each member of the class will, at the end of the course, have secured a set of at least 100 specimens, that will be useful to High School teachers or to Medical students. The course will also aid extra-mural students in Arts in reading for honours in Biology. Attendance on this course will be accepted by the University as equivalent to attendance for one Winter Session in the Arts or Medical class in Histology, and will entitle to admission to the regular University examination in this subject in April or October, on payment of the examination fee. Dr. Stirling's *Histology* is the text book recommended for this class.

#### CONTINUATION CLASSES.

Public school teachers in towns and villages in which there is no High school, and who may be desirous of qualifying themselves to teach the "continuation classes" in Latin, which are authorized by the Minister of Education, will find the instruction and methods of the Latin classes suited to their needs.

Further information concerning these courses may be obtained by addressing the Registrar, or the Professors who will have charge of the respective classes.