

end elevations, properly arranged in relation to one another so as to display parts and proportions; instruction in dimensioning; exercises in geometrical drawing, the making to scale of ruled drawings, drawings by the method of perspective projection commonly in use among architects; practice in making diagram drawings, descriptive of general arrangements and of mechanical actions and appliances; instruction in tracing, transferring and blue-printing; practice in simple types of freehand lettering, especially such lettering as might be found useful in office work; an introductory study of architecture, including simple exercises in the building and construction of floors, partitions, etc., with a consideration of the principles of good taste, in the matter of proportion and execution, as applied to doors, windows, office furniture, etc.; a study of general principles in art, with special reference to form, colour harmony, and ornament. Exercises in simple design.

#### THIRD YEAR.

Special course in the third year for students interested in manufacturing.

This course is intended as an introduction to the principles of machine construction. The student will be shown the different methods in which machinery may be arranged, the relative efficiency of each method, and the various structural and other conditions that must be provided for. The work will include an intelligent sketching of machinery and mechanism in the workshops—the Machine shop, the Patternmaking and Carpentry shop, the Smithy, and the Foundry, and in the mechanical and electrical laboratories of the Science Faculty.

#### Banking.

A course of special lectures on banking practice for Third Year students.

#### Insurance.

A course of special lectures on Insurance for Third Year students.

#### Technical Shop Work.

A course, or part of a course, given in the Department of Mechanical Engineering, and consisting of:

- (a) work in joinery shop for one afternoon a week during the first term;
- (b) work in smithy, foundry, or machine shop (selection to be at the discretion of the Department) for one afternoon a week during the second term.

#### Materials of Construction.

A course of one hour a week during the session, given in connection with the Civil Engineering Department.