

School of Engineering and Technical Science.—Comparative Statement showing the Number of Students attending the various Classes for the First Term of 1908 and of 1909.

	1908.	1909.		1908.	1909.
Freehand mechanical drawing, Section I ..	36	39	Surveying, advanced (theory) ..	2	5
Freehand mechanical drawing, Section II ..	13	15	Surveying, advanced (field work) ..	2	6
Freehand mechanical drawing, Section III ..	0	0	Surveying, advanced (plotting) ..	0	6
Elementary descriptive geometry ..	24	36	Building-construction ..	8	4
Descriptive geometry and the setting-out of work ..	9	7	Principles of civil engineering—		
Descriptive geometry advanced ..	8	4	Section (A) borough engineering ..	7	6
Mechanical drawing, Section I ..	29	11	Section (B) railway engineering ..		
Mechanical drawing, Section I (special) ..	0	12	Elementary electricity ..	24	25
Mechanical drawing, Section II (mechanical and electrical) ..	16	14	Electricity and magnetism (pass) ..	15	24
Mechanical drawing, Section III (mechanical and electrical) ..	7	9	Electricity and magnetism (honours) ..	5	3
Mechanical drawing (advanced) ..	14	16	Electrical engineering (elementary, Section I) ..	12	13
Electrical drawing and designing ..	4	2	Electrical engineering (elementary, Section II) ..	3	5
The steam-engine (elementary) ..	43	50	Electrical engineering (military) ..	0	1
The steam-engine (intermediate) ..	6	6	Electrical engineering (intermediate) ..	5	7
The steam-engine (advanced) ..	8	7	Electrical engineering (advanced) ..	3	3
Elementary applied mechanics ..	14	12	Electrical engineering (problems class) ..	3	2
Applied mechanics ..	8	8	Technical chemistry ..	4	3
Mechanics of machinery ..	10	7	The laboratories—		
Hydraulics and pneumatics ..	9	8	Elementary applied mechanics ..	8	7
Strength of materials (elementary) ..	22	19	Applied mechanics ..	6	6
Strength of materials (intermediate) ..	10	11	Hydraulics ..	0	7
Advanced strength of materials and bridge and roof construction ..	10	12	Strength of materials and steam ..	12	5
Workshop practice (theory) ..	8	10	Elementary electrical engineering (Section I) ..	10	12
Locomotive and railway engineering ..	6	0	Elementary electrical engineering (Section II) ..	2	5
Laboratory results (strength of materials and steam) ..	8	4	Electrical engineering ..	2	3
Surveying, elementary (theory) ..	8	5	Elementary electricity ..	11	14
Surveying, elementary (field work) ..	8	4	Pass electricity and magnetism ..	13	19
Surveying, elementary (plotting) ..	6	4	Honours electricity and magnetism ..	6	2
			Advanced electricity and magnetism (engineering) ..	0	1
			Totals ..	507	536

SCHOOL OF ENGINEERING.

REPORT OF PROFESSOR IN CHARGE.

Attendance.—During the year 176 individual students attended lectures, the hour-attendances per week amounting to 1,120.

Twenty-five students were taking courses for the University Degree or for the Associateship of the School, and 11 College students took lectures in electricity and magnetism.

Thirty-two lectures were delivered, and instruction was given in drawing and designing, experimental work in the laboratories, and in field work, for 150 hours per week, the total instruction-hours per week amounting to 183.

Results of Examinations.—The number of students who finally qualified in 1909 was above the average.

Fourteen men obtained either the University Degree or the Associateship of the School of Engineering, and have finished their courses here.

University.—At the University examinations of 1908, 7 students passed the final examination for the degree of Bachelor of Engineering, 3 obtaining the degree in Mechanical and 4 in Electrical Engineering.

In addition to these, 2 students passed the first part of the Second Examination, 2 the second part of the First Examination, 1 the first part of the First Examination for the degree, and 2 passed the Engineering Entrance Examination.

Associateship.—At the Associateship Examinations of 1909, 5 students passed the Final Examination for the Associateship in Mechanical Engineering, and 2 that for the Associateship in Civil Engineering.

The passes in the subjects of the Associateship course taught in the School of Engineering were: In Physics (B)—(electricity and magnetism), 5; freehand mechanical drawing, 1; descriptive geometry (advanced), 1; steam-engine (elementary), 1; steam-engine (intermediate), 4; steam-engine (advanced), 6; applied mechanics, 5; mechanics of machinery, 5; hydraulics and pneumatics, 6; mechanical drawing (second year), 5; strength of materials (elementary), 6; strength of materials (intermediate), 6; strength of materials (advanced), 5; theory of workshop practice, 4; surveying (elementary), 1; principles of civil engineering, 2; electrical engineering (intermediate), 6.

Associateship students taking subjects outside their regular course attended lectures, passed examinations, and obtained certificates in surveying (elementary), 2; surveying (advanced), 1; building-construction, 2; electrical engineering (elementary), 1.

Evening Students.—One hundred and forty-three certificates were awarded to students who attended evening lectures, and passed examinations in the subjects named: Freehand mechanical drawing—first-class 14, second-class 7, total 21; descriptive geometry and setting out work—first class 14, second-class 3, total 17; mechanical drawing, Section I—first-class 6, second-class 7, total 13; mechanical drawing, Section II—first-class 10, second-class 5, total 15; mechanical drawing, Section III—first-class 2, second-class 2, total 4; steam-engine (elementary)—first-class 12, second-class 11, total 23; applied mechanics (elementary)—first-class 5, second-class 3, total 8; strength of materials (elementary)—first-class 8; steam-engine (advanced)—first-class 1; strength of materials (intermediate)—second-class 1; strength of materials (advanced)—second-