

1963

## Architecture and Building: Courses and Timetables Session 1963-64

City of Dublin Vocational Education Committee

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### Recommended Citation

City of Dublin Vocational Education Committee, "Architecture and Building: Courses and Timetables Session 1963-64" (1963). *Prospectus: Bolton Street*. 6.  
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CITY OF DUBLIN VOCATIONAL EDUCATION COMMITTEE

DEPARTMENT OF  
**ARCHITECTURE  
AND BUILDING**

COLLEGE OF TECHNOLOGY  
BOLTON STREET, DUBLIN 1

*Courses and Timetables*

SESSION 1963-64

## CALENDAR—SESSION 1963-64

- 1963—SEPT. 16 Monday - Day Courses open for enrolment; Whole-time Day Apprentice Courses commence.
- 23 Monday - Part-time Day Apprentice Courses commence and Evening Courses open for enrolment.
- 30 Monday - Other Day Courses commence.
- OCT. 7 Monday - Evening Courses commence.
- 23 Wednesday Votive Mass. Day Classes closed.
- NOV. 1 Friday - *All Saints' Day*. Day Classes closed.
- DEC. 20 Friday - Final Class Meetings before Christmas Vacation.
- 1964—JAN. 6 Monday - All Classes resume after Christmas Vacation. Fifth Year Courses in Architecture commence.
- MAR. 7 Saturday - Fieldwork in connection with Evening Classes in Surveying and Levelling commences.
- 17 Tuesday - Bank Holiday. School closed.
- 24 Tuesday - Final Class Meetings before Easter Vacation. Final Meetings of Evening Classes.
- APRIL 6 Monday - All Classes resume work after Easter Vacation.
- MAY 7 Thursday - *Ascension Day*. School closed.
- 18 Monday - *Whit Monday*. School closed.
- 28 Thursday - *Feast of Corpus Christi*. School closed.
- JUNE 5 Friday - Final Meetings of Day Classes in Architecture.
- 12 Friday - Final Meetings of Day Classes in Surveying.
- 15 Monday - Sessional Examinations commence.
- 26 Friday - End of Session.

Schools are closed on all Bank Holidays not specified in above calendar.

## COLLEGE OF TECHNOLOGY BOLTON STREET

*Principal:*

DONAL F. O'DWYER, B.Arch., F.R.I.A.I.

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## DEPARTMENT OF ARCHITECTURE AND BUILDING

*Head of Department:*

THE PRINCIPAL

*Assistant Head of Department:* ALBERT J. BRADY, B.Arch., M.R.I.A.I.

*Departmental Assistant (Architecture):* J. J. O'KEEFE, B.Arch., M.R.I.A.I.

*Departmental Assistant (Surveying and Building Technology):*  
C. W. PARFITT, A.R.I.C.S., M.R.S.H., A.L.A.B.

*Chief Instructor (Building Trades):* R. GRIMES, FULL TECH. C. & G., LOND.

*Head of Science Division:* J. A. NUNAN, B.Sc.



# 1. TECHNOLOGICAL AND TECHNICIAN COURSES (DAY)

## D/1 (A). DIPLOMA COURSE IN ARCHITECTURE

### FIRST YEAR

Subject	Hours per Week
Architectural Drawing and Design—I ... ..	11½
Theory of Architecture—I ... ..	1
Building Technology (Theory) ... ..	1
History of Architecture—I ... ..	2½
Building Construction—I ... ..	4
Architectural Free Drawing and Modelling—I ... ..	4
Mathematics—I ... ..	2
Science—I (Physics and Chemistry) ... ..	2½
Mechanics ... ..	1½
Geometry ... ..	2
Logic and Philosophy ... ..	½
<b>Total Hours per Week ... ..</b>	<b>32½</b>

### SECOND YEAR

Subject	Hours per Week
Architectural Drawing and Design—II ... ..	14½
Theory of Architecture—II ... ..	1
History of Architecture—II ... ..	1
Building Construction—II ... ..	4
Architectural Free Drawing and Modelling—II ... ..	3
Mathematics—II ... ..	1
Science—II (Physics) ... ..	2
Strength of Materials, Theory of Structures ... ..	2
Surveying and Levelling ... ..	1½
Craft Work ... ..	2
Cosmology; Psychology ... ..	½
<b>Total Hours per Week ... ..</b>	<b>32½</b>

### THIRD YEAR

Subject	Hours per Week
Architectural Drawing and Design—III ... ..	16½
Theory of Architecture—III ... ..	1
History of Architecture—III ... ..	1
Building Construction—III ... ..	3
Building Materials ... ..	1
Building Services—I ... ..	1½
Architectural Free Drawing and Modelling—III ... ..	3
Structural Engineering—I ... ..	3
Craft Work ... ..	2½
Ethics ... ..	½
<b>Total Hours per Week ... ..</b>	<b>32½</b>

### FOURTH YEAR

Subject	Hours per Week
Architectural Drawing and Design—IV ... ..	19½
Theory of Architecture—IV ... ..	1
Irish Art and Architecture ... ..	1
Building Construction—IV ... ..	2
Building Services—II ... ..	1½
Architectural Free Drawing and Modelling—IV ... ..	2
Structural Engineering—II ... ..	3
Professional Practice and Legal Subjects—I ... ..	2
Ethics ... ..	½
<b>Total Hours per Week ... ..</b>	<b>32½</b>

### FIFTH YEAR

Subject	Hours per Week
Architectural Drawing and Design—V ... ..	26½
Town Planning (Theory) ... ..	1
Structural Engineering—III ... ..	2
Professional Practice and Legal Subjects—II ... ..	2
Specifications ... ..	1
<b>Total Hours per Week ... ..</b>	<b>32½</b>

Notes—1. The 1st, 2nd, 3rd and 4th years of the Course will be of three terms' duration, commencing in September and ending in June.

2. The 5th year of the Course will be of two terms' duration, commencing in January and ending in June.



### D/1 (B). PART-TIME COURSE IN ARCHITECTURE

Class No.	Subject	Day Classes		Evening Classes		
		Hrs./week	Day	Time	Room	
<b>FIRST YEAR:</b>						
	Architectural Drawing and Design—I ... ..	8				
	History of Architecture—I	2½				
	Free Drawing and Modelling	2				
402B/2	Building Construction—I B		Fri.	7.30-10.0	A 5	
402B/1	Building Construction—I B		Tues.	8.30-10.0	A 5	
403B	Building Science—I B ...		Tues.	7.00-8.30	A 26	
<b>SECOND YEAR:</b>						
	Architectural Design—II ...	9				
	History of Architecture—II	1				
	Free Drawing and Modelling—II ... ..	3				
406/2	Building Construction—II ...		Thurs.	7.30-10.0	A 11	
407	Mechanics ... ..		Tues.	7.00-8.30	A 20	
406/1	Building Construction—II ...		Tues.	8.30-10.0	A 11	
409	Surveying and Levelling—I		Mon.	7.30-10.0	A 3	
<b>THIRD YEAR:</b>						
	Architectural Design—III ...	9				
	History of Architecture—III	1				
	Free Drawing and Modelling—III ... ..	3				
411	Building Construction—III		Wed.	7.30-10.0	A 11	
413	Building Services—I ... ..		Tues.	7.00-8.30	A 4	
414/415	Strength of Materials and Theory of Structures ...		Tues.	8.30-10.0	A 3	
<b>FOURTH YEAR:</b>						
	Architectural Design—IV ...	12				
417	Building Construction—IV ...		Wed.	7.30-10.0	A 11	
420	Structural Engineering—I (Adv.) ... ..		Tues.	7.00-8.30	A 3	
421	Building Services—II ...		Tues.	8.30-10.0	A 4	
<b>FIFTH YEAR:</b>						
	Architectural Design—V ...	12				
	Professional Practice—I ...	2				
421	Structural Engineering—II (Adv.) ... ..		Tues.	7.00-8.30	A 3	
<b>SIXTH YEAR:</b>						
	Architectural Design—VI ...	12				
	Professional Practice—II ...	2				
	Specifications ... ..	1				

Notes—1. Fieldwork in Surveying and Levelling will be provided on Saturday afternoons during late spring and early summer.

2. Evening Classes in the subjects, Professional Practice and Specifications, and Architectural Design for 3rd, 4th, and 5th year students who are unable to attend the afternoon classes may be provided if sufficient applications are received to justify the formation of classes.

3. Building Services I includes Water Supplies and Services, Drainage and Sanitation.

4. Building Services II includes Heating, Ventilating and Electrical Services.

### D/2. WHOLE-TIME COURSE IN BUILDING TECHNOLOGY

Subject	Hours per Week	
	1st Year	2nd Year
English ... ..	4½	3
Mathematics ... ..	3½	3½
Physics ... ..	3	4½
Chemistry ... ..	3	3
Economics ... ..	3	3
Principles of Accounts ... ..	3	3
Philosophy ... ..	½	½
Building Construction ... ..	4½	4½
Building Materials ... ..	1½	—
Elementary Surveying and Levelling ... ..	3	4½
<b>Total Hours per Week ... ..</b>	<b>30</b>	<b>30</b>

Note—Students sit for the G.C.E. Examination at the end of the second year and then continue into the third and fourth years of the course to sit the Intermediate and Final Part I of the Associateship Examination of the Institute of Builders.

The first intake of students for this course was during session 1962/63.

### D/3 (A). WHOLE-TIME COURSE IN GENERAL SURVEYING

Subject	Hours per Week		
	1st Year	2nd Year Terms 1 & 2	2nd Year Term 3 and 3rd Year Terms 1 & 2
Valuations ... ..	3	3	3½
Economics ... ..	3	3	—
Law of Property I ... ..	2½	3	—
Law of Property II ... ..	—	—	3
Local Government Law ... ..	—	—	3
Elements of Irish Law ... ..	3	2½	—
National and Local Taxation ... ..	—	—	4½
Town and Country Planning ... ..	—	—	4½
Building Science ... ..	3	—	—
Building Construction and Materials ...	7½	9	6
Building Services I <sup>1</sup> ... ..	—	1½	1½
Practical Task <sup>2</sup> ... ..	3	3	3
Surveying and Levelling ... ..	4½	4½	—
Philosophy ... ..	½	½	—
Ethics ... ..	—	—	½
<b>Total Hours per Week ... ..</b>	<b>30</b>	<b>30</b>	<b>30</b>

<sup>1</sup> "Building Services I" includes water supplies, sanitary fittings and their wastes and soils and underground drainage and sewage disposal systems.

<sup>2</sup> "Practical Task" instruction is related to submission of a thesis by the students to the R.I.C.S. between Intermediate and Final Examinations.

Note—Students sit for the First Examination of the R.I.C.S. at the end of the second term of the second year, and then continue with the course to prepare for the Intermediate Examinations.



D/3 (B). PART-TIME COURSE IN GENERAL SURVEYING

Class No.	Subject	Day Classes	Evening Classes		
		Hrs./wk.	Day	Time	Room
<b>FIRST YEAR:</b>					
402B/2	Building Construction—IB ...		Fri.	7.30-10.0	A 5
402B/1	Building Construction—IB ...		Tues.	8.30-10.0	A 5
403A	Building Science—IB ...		Tues.	7.00-8.30	A 26
409	Surveying and Levelling—I ...		Mon.	7.30-10.0	A 3
	Economics ... ..	3			
	Valuation ... ..	3			
Total Hours per Week ...		6		8	
<b>SECOND YEAR—TERMS 1 &amp; 2:</b>					
406/2	Building Construction—II ...		Thurs.	7.30-10.0	A 11
406/1	Building Construction—II ...		Tues.	8.30-10.0	A 11
416	Surveying and Levelling—II ...		Wed.	7.30-10.0	A 3
	Economics ... ..	3			
	Valuation ... ..	3			
Total Hours per Week ...		6		6½	
<b>SECOND YEAR—TERM 3 &amp; THIRD YEAR—TERMS 1 &amp; 2:</b>					
410	Building Construction—III ...	3	Wed.	7.30-10.0	A 11
413	Building Services—I ... ..	3	Tues.	7.00-8.30	A 4
	Valuation ... ..				
	Town and Country Planning ...				
Total Hours per Week ...		6		4	

Note—Day classes are concurrent with those of the whole-time course. Evening classes are concurrent with those of the Building Technology Evening Course.

D/4. WHOLE-TIME COURSE IN QUANTITY SURVEYING

Subject	Hours per Week			
	1st Year	2nd Year	3rd Year Terms 1 & 2	3rd Year Term 3
Quantities ... ..	6	8½	6½	6½
Economics ... ..	1½	1½	1½	—
Arbitrations ... ..	—	—	—	3
Principles of Law ... ..	3	1½	1½	—
Principles of Law of Contract ... ..	—	—	—	3
Principles of Structural Design ... ..	1½	1½	3	—
Analysis of Builders' Prices ... ..	—	—	1½	3
Building Science ... ..	3	—	—	—
Building Construction and Materials ... ..	9½	7½	7½	7½
Specifications ... ..	—	—	—	3
Building Services I <sup>1</sup> ... ..	1½	1½	1½	—
Building Services 2 <sup>2</sup> ... ..	—	—	—	3
Practical Task <sup>3</sup> ... ..	3	3	1½	—
Surveying and Levelling ... ..	—	4½	4½	—
Philosophy ... ..	3	3	—	—
Ethics ... ..	—	—	3	3
Total Hours per Week ... ..	30	30	30	30

<sup>1</sup> "Building Services I" includes water supplies, sanitary fittings and their wastes and soils and underground drainage and sewage disposal systems.

<sup>2</sup> "Building Services II" includes electrical, heating and ventilation installations and sound insulation construction.

<sup>3</sup> "Practical Task" instruction is related to submission of a thesis by the students to the R.I.C.S. between Intermediate and Final Part I Examinations.

Note—Students sit for the Intermediate Examination of the R.I.C.S. at the end of the second term of the third year, and then continue with the course to prepare for the Final Part I Examination.



### D/4 (B). PART-TIME COURSE IN QUANTITY SURVEYING

Class No.	Subject	Day Class	Evening Classes		
		Hrs./wk.	Day	Time	Room
<b>FIRST YEAR:</b>					
402B/1	Building Construction—IB ...		Tues.	8.30-10.0	A 5
402B/2	Building Construction—IB ...		Fri.	7.30-10.0	A 5
403A	Building Science—IB ...		Tues.	7.00-8.30	A 26
409	Surveying and Levelling—I ...		Mon.	7.30-10.0	A 3
	Quantities ... ..	6			
	<b>Total Hours per Week ...</b>	6		8	
<b>SECOND YEAR:</b>					
406/2	Building Construction—II ...		Thurs.	7.30-10.0	A 11
406/1	Building Construction—II ...		Tues.	8.30-10.0	A 11
407	Mechanics ... ..		Tues.	7.00-8.30	A 20
416	Surveying and Levelling—II ...		Wed.	7.30-10.0	A 3
	Quantities ... ..	6			
	<b>Total Hours per Week ...</b>	6		8	
<b>THIRD YEAR:</b>					
410	Building Construction—III ...		Wed.	7.30-10.0	A 11
413	Building Services—I ... ..		Tues.	7.00-8.30	A 4
414/415	Strength of Materials and Theory of Structures ...		Tues.	8.30-10.0	A 3
	Quantities ... ..	6			
	<b>Total Hours per Week ...</b>	6		5½	

Note—Day classes are concurrent with those of the whole-time course. Evening classes are concurrent with those of the Building Technology Evening Course.

### D/5. TOWN AND COUNTRY PLANNING

Class No.	Subject	Day Classes	Evening Classes		
		Hrs./wk.	Day	Time	Room
<b>FIRST YEAR:</b>					
433	Town Planning Practice ...	6½			
	Historical Development of Planning ... ..				
434	Outline of Social and Economic Organisation ... ..				
435	Economics of Land Use ...				
	<b>Total Hours per Week ...</b>	6½	4½		
<b>SECOND YEAR:</b>					
437	Town Planning Practice ...	6½			
436	Law in relation to Planning ...				
	Civil Engineering in relation to Planning <sup>1</sup> ... ..				
438	Architectural Landscape Design in relation to Planning <sup>2</sup> ...				
	<b>Total Hours per Week ...</b>	6½	4½		

<sup>1</sup> To be taken by architect students only.

<sup>2</sup> To be taken by engineer students only.

Note—Evening classes in Town Planning Practice for students who are unable to attend the day classes in this subject may be provided if sufficient applications are received.

### D/6 (A). HEALTH INSPECTORS' DIPLOMA COURSE

Subject	Hours per Week		
	1st Term (11 Weeks)	2nd Term (14 Weeks)	3rd Term (10 Weeks)
<b>FIRST YEAR:</b>			
<b>Science:</b>			
(a) Chemistry, Physics, Biology ...	13½	6	6
(b) Bacteriology ... ..	3	4½	—
(c) Anatomy and Physiology ...	1½	1½	—
<b>Building Construction and Housing</b>			
Hygiene ... ..	6	4½	4½
Draughtsmanship ... ..	—	3	3
<b>Theory of Local Government, Public Health, Law and Practice ...</b>			
Public Cleansing and Offensive Trades	—	3	3
Drainage, Sewerage and Sewage Disposal	1½	1½	1½
Infectious Diseases ... ..	—	—	6
Water Supplies .. ..	—	1½	1½
Food and Food Hygiene ... ..	—	1½	1½
Visits and Occasional Lectures ...	2½	2½	2½
<b>Total Hours per Week ...</b>	32½	32½	32½

Subject	Hours per Week
<b>SECOND YEAR</b>	
Building Construction and Draughtsmanship (Drawing) ...	2
Building Construction and Draughtsmanship (Lecture) ...	2
Public Health Law ... ..	2
Micro-Biology ... ..	3½
Entomology and Parasitology ... ..	3½
Biology ... ..	2
Drainage and Sewerage ... ..	2
Offensive Trades ... ..	1½
Chemistry and Physics ... ..	3
Building Science ... ..	2
Surveying and Levelling ... ..	1½
Water Supplies ... ..	2
Statistical Mathematics ... ..	1
Food and Food Inspections (Meat and Other Foods) ...	3½
Ethics ... ..	1
Tutorial ... ..	1
<b>Total Hours per Week ...</b>	33½



## 2. TECHNOLOGICAL AND TECHNICIAN COURSES (EVENING)

### E/1. EVENING COURSE IN BUILDING TECHNOLOGY

Class No.	Subject	Day	Time	Room	Teacher
400	INTRODUCTORY YEAR: Building Draughtsmanship ...	Mon.	7.30-10.0	A 11	J. O'H. Hughes
401	Mathematics—I ... ..	Tues.	7.00-8.30	A 5	F. Patterson
402A/1	FIRST YEAR—GROUP A: Building Construction—IA (Elem.) ... ..	Tues.	7.00-8.30	A 11	W. Gilligan
403A	Building Science—IA ... ..	Tues.	8.30-10.0	A 26	D. O'Sullivan
402A/2	Building Construction—IA (Elem.) ... ..	Fri.	7.30-10.0	A 11	W. Gilligan
404A	Mathematics—IIA ... ..	Mon.	7.00-8.30	A 4	F. Patterson
402B/1	FIRST YEAR—GROUP B: Building Construction—IB (Elem.) ... ..	Tues.	8.30-10.0	A 5	R. McDonnell
402B/2	Building Construction—IB (Elem.) ... ..	Fri.	7.30-10.0	A 5	R. McDonnell
403B	Building Science—IB ... ..	Tues.	7.00-8.30	A 26	D. O'Sullivan
404B	Mathematics—IIB ... ..	Mon.	8.30-10.0	A 4	F. Patterson
406/1	SECOND YEAR: Building Construction—II (Inter.) ... ..	Tues.	8.30-10.0	A 11	C. Garvey
407	Mechanics ... ..	Tues.	7.00-8.30	A 20	G. Monaghan
406/2	Building Construction—II ... ..	Thurs.	7.30-10.0	A 11	C. Garvey
409	Surveying and Levelling—I ... ..	Mon.	7.30-10.0	A 3	W. O'Brien
408	Quantities—I ... ..	Wed.	7.00-8.30	A 4	P. Duffy
410	THIRD YEAR: Building Construction—III (Inter.) ... ..	Wed.	7.30-10.0	A 11	S. Rothery
411	Estimating—I ... ..	Fri.	7.00-8.30	A 4	P. Duffy
412	Quantities—II (Adv.) ... ..	Fri.	8.30-10.0	A 4	P. Duffy
413	Building Services—I ... ..	Tues.	7.00-8.30	A 4	C. Garvey
414/415	Strength of Materials and Theory of Structures (Inter.)	Tues.	8.30-10.0	A 3	W. O'Brien
417	FOURTH YEAR: Building Construction—IV (Adv.) ... ..	Wed.	7.30-10.0	A 11	S. Rothery
418	Estimating—II ... ..	Thurs.	7.00-8.30	A 4	P. Duffy
419	Quantities—III (Adv.) ... ..	Thurs.	8.30-10.0	A 4	P. Duffy
420	Structural Engineering—I (Adv.)	Tues.	7.00-8.30	A 3	W. O'Brien
421	Building Services—II ... ..	Tues.	8.30-10.0	A 4	T. Twomey
422	FIFTH YEAR: Building Practice and Law ...	Wed.	8.30-10.0	A 4	C. Parfitt
423	Structural Engineering—II (Adv.) ... ..	Tues.	7.00-8.30	A 3	W. O'Brien

Notes—1. Fieldwork in Surveying and Levelling will be done on Saturday afternoons during late spring and early summer.

2. Building Services I includes Water Supplies and Services and Drainage and Sanitation. Building Services II includes Heating, Ventilation and Electrical Services.

### E/2. EVENING COURSE IN LAND-SURVEYING AND LEVELLING

Class No.	Subject	Day	Time	Room	Teacher
409	FIRST YEAR: Surveying and Levelling—I ...	Mon.	7.30-10.0	A 3	W. O'Brien
416	SECOND YEAR: Surveying and Levelling—II ...	Wed.	7.30-10.0	A 3	W. O'Brien

### E/3. TOWN AND COUNTRY PLANNING

Class No.	Subject	Day Classes	Evening Classes		
		Hrs./wk.	Day	Time	Room
433	FIRST YEAR: Town Planning Practice ...	6			
434	Historical Development of Plan- ning .. ..	1½			
435	Outline of Social and Economic Organisation ... ..	1½			
435	Economics of Land Use ... ..	1½			
	Total Hours per Week ...	10½			
436	SECOND YEAR: Town Planning Practice ...	6			
437	Law in relation to Planning ...	1½			
438	Civil Engineering in relation to Planning <sup>1</sup> ... ..	1½			
438	Architectural Landscape Design in relation to Planning <sup>2</sup> ...	1½			
	Total Hours per Week ...	10½			

<sup>1</sup> To be taken by architectural students only.

<sup>2</sup> To be taken by engineering students only.

### E/4. EVENING COURSE IN TIMBER TECHNOLOGY

Class No.	Subject	Day	Time	Room	Teacher
430	FIRST YEAR: Timber Technology—I ... ..	Thurs.	7.30-9.30	A 3	L. Gallagher
431	SECOND YEAR: Timber Technology—II ... ..	Tues.	7.30-9.30	—	—
432	THIRD YEAR: Timber Technology—III ... ..	Mon.	7.30-9.30	B 35	L. Gallagher

### E/5. ARCHITECTURAL DESIGN

Class No.	Subject	Day	Time	Room	Teacher
439/1	Architectural Design ... ..	Mon.	7.00-10.0	A 2	S. Stephenson
439/2	Architectural Design ... ..	Fri.	7.00-10.0	A 2	S. Stephenson
	Total Hours per Week ...	6			



### 3. TRADE COURSES (DAY)

#### D/101. BRICKLAYING (WHOLE-TIME)

Subject	Hours per Week	
	1st Year	2nd Year
Trade—Theory and Practice ... ..	16½	21
Science ... ..	3	—
Technical Drawing ... ..	2	2
Mathematics ... ..	1½	2½
English ... ..	1	—
Irish ... ..	1½	—
Religious Instruction and Debate ... ..	2½	2½
Physical Education and Swimming ... ..	1	2
<b>Total Hours per Week ... ..</b>	<b>30</b>	<b>30</b>

Note—On completion of this Course, students transfer to the third year of the Evening Course (E/101).

#### D/102. CABINETMAKING (PART-TIME DAY)

Subject	Hours per Week
<b>FIRST YEAR:</b>	
Geometry ... ..	1½
Drawing and Design—I ... ..	2
Trade Practice and Theory—I ... ..	10½
<b>SECOND YEAR:</b>	
Trade Theory and Drawing—II ... ..	1½
Drawing and Design—II ... ..	2
Trade Practice and Theory—II ... ..	9½
History of Furniture ... ..	1

Note—On completion of the second year in this Course, students transfer to the third year of the Evening Course (E/102).

#### D/103. CARPENTRY AND JOINERY (PART-TIME DAY)

Subject	Hours per Week
<b>FIRST YEAR:</b>	
Geometry ... ..	1½
Trade Theory and Drawing—I ... ..	2
Trade Practice—I ... ..	3
<b>SECOND YEAR:</b>	
Geometry ... ..	1½
Trade Theory and Drawing—II ... ..	2
Trade Practice—II ... ..	3
<b>THIRD YEAR:</b>	
Geometry ... ..	1½
Trade Theory and Drawing—III ... ..	2
Trade Practice—III ... ..	3
<b>FOURTH YEAR:</b>	
Geometry ... ..	1½
Trade Theory and Drawing—IV ... ..	2
Trade Practice—IV ... ..	3
<b>FIFTH YEAR:</b>	
Geometry ... ..	1½
Trade Theory and Drawing—V ... ..	2
Trade Practice—V ... ..	3

#### D/104. COACHPAINTING (PART-TIME DAY AND EVENING)

Class No.	Subject	Day Classes Hrs./week	Evening Classes		
			Day	Time	Room
661	<b>FIRST YEAR:</b> Geometry ... ..	1½	Mon.	7.30-9.30	YARNHALL STREET
	Painting Practice—I ... ..	5			
660	Trade, Theory and Practice—I ... ..		Fri.	7.30-9.30	
	Trade, Theory and Practice—II ... ..				
663	<b>SECOND YEAR:</b> Free Drawing and Lettering—I ... ..	1½	Mon.	7.30-9.30	
	Painting Practice ... ..	5			
662	Trade, Theory and Practice—II ... ..		Tues.	7.30-9.30	
	Trade, Theory and Practice—II ... ..				
664/666	<b>THIRD and FOURTH YEARS:</b> Free Drawing and Lettering—III and IV ... ..	1½	Wed.	7.30-9.30	
	Painting Practice—III and IV ... ..	5			
665/667	Trade, Theory and Practice—III and IV ... ..		Thurs.	7.30-9.30	
	Trade, Theory and Practice—III and IV ... ..				

#### D/105. PAINTING AND DECORATING (PART-TIME DAY AND EVENING)

Class No.	Subject	Day Classes Hrs./week	Evening Classes		
			Day	Time	Room
602	<b>FIRST YEAR:</b> Geometry ... ..	1½	Thurs.	7.30-9.30	A.15
	Painting Practice—I ... ..	5			
	Drawing and Design—I ... ..				
<b>SECOND YEAR:</b>					
Free Drawing and Lettering—I ... ..		1½			
Painting Practice—II ... ..		5			
<b>THIRD YEAR:</b>					
Free Drawing and Lettering—II ... ..		1½			
Painting Practice—III ... ..		5			
<b>FOURTH YEAR:</b>					
Free Drawing and Lettering—III ... ..		1½			
Painting Practice—IV ... ..		5			



**D/106 (A). PLUMBING (WHOLE-TIME)**

Subject	Hours per Week	
	1st Year	2nd Year
Trade, Theory and Practice ... ..	16½	19½
Science ... ..	3	1½
Technical Drawing ... ..	2	2
Mathematics ... ..	1½	2½
English ... ..	1	—
Irish ... ..	1½	—
Religious Instruction and Debate ... ..	2½	2½
Physical Education and Swimming ... ..	2	2
<b>Total Hours per Week ... ..</b>	<b>30</b>	<b>30</b>

Note—On completion of the second year of this Course, students transfer to the third year of the Evening Course (E/106).

**D/106 (B). PLUMBING (PART-TIME DAY)**

Subject	Hours per Week
<b>FIRST YEAR:</b>	
Trade Practice—I ... ..	3½
Trade, Theory and Drawing—I ... ..	3
<b>SECOND YEAR:</b>	
Trade Practice—II ... ..	3½
Trade, Theory and Drawing—II ... ..	3
<b>THIRD AND FOURTH YEARS:</b>	
Trade Practice—III & IV ... ..	3½
Trade, Theory and Drawing—III & IV ... ..	3

Note—On completion of the third year in this course, students transfer to the fifth year of the Evening Course (E/106).

**D/107. VEHICLE BUILDING (PART-TIME DAY AND EVENING)**

Class No.	Subject	Day Classes Hrs./week	Evening Classes		
			Day	Time	Room
641	<b>FIRST YEAR:</b>	1½	Wed.	7.30-9.30	B 23
	Geometry—I ... ..				
	Trade, Practice and Drawing—I ... ..				
642	Trade, Theory and Drawing—I ... ..	5			
644	Science and Calculations—I ... ..	1½	Fri.	7.30-9.30	A 26
	<b>SECOND YEAR:</b>				
	Geometry—II ... ..				
645	Trade, Practice—II ... ..	3	Thurs.	7.30-9.30	B 23
	Welding—II ... ..	2			
	Trade, Theory and Drawing—II ... ..				
645	Science and Calculations—II ... ..		Wed.	7.30-9.30	A 26

**D/107. Vehicle Building (Part-time Day and Evening)—Contd.**

Class No.	Subject	Day Classes Hrs./week	Evening Classes		
			Day	Time	Room
647	<b>THIRD YEAR:</b>	1½	Fri.	7.30-9.30	B 23
	Trade, Theory—III ... ..				
	Trade, Practice—III ... ..				
	Welding—III ... ..				
648	Trade, Theory and Drawing—III ... ..		Mon.	7.30-9.30	A 26
	Science and Calculations—III ... ..				
650	<b>FOURTH YEAR:</b>	1½	Tues.	7.30-9.30	B 23
	Trade, Theory—IV ... ..				
	Trade, Practice—IV ... ..				
	Welding—IV ... ..				
650	Trade, Theory and Drawing—IV ... ..				
	<b>FIFTH YEAR:</b>	1½			
	Trade, Theory—V ... ..				
Trade, Practice—V ... ..					
	Welding—V ... ..	2			

**D/108. WOODCUTTING MACHINISTS' WORK (PART-TIME DAY AND EVENING)**

Class No.	Subject	Day Classes Hrs./week	Evening Classes		
			Day	Time	Room
541	<b>FIRST YEAR:</b>	1½	Thurs.	7.30-9.30	A 5
	Workshop Drawing ... ..				
	Woodwork—I ... ..				
540	Metalwork—I ... ..	2	Tues.	7.30-9.30	D 10
	Trade, Theory and Drawing—I ... ..				
543	Trade, Practice—I ... ..				
	<b>SECOND YEAR:</b>	1½	Wed.	7.30-9.30	A 5
	Plane and Solid Geometry				
Woodwork—II ... ..					
542	Metalwork and Welding—II ... ..	2	Fri.	7.30-9.30	D 10
	Trade, Theory and Drawing—II ... ..				
	Trade, Practice—II ... ..				

Note—On completion of the second year in this Course, students transfer to the third year of the Evening Course (E/108).



#### 4. TRADE COURSES (EVENING)

##### E/101. EVENING COURSE IN BRICKLAYING

Class No.	Subject	Day	Time	Room	Teacher	
<b>FIRST YEAR:</b>						
500	Trade, Practice—I ... ..	Thurs.	7.30-9.30	YARNHALL STREET	F. Hosford	
501	Trade, Drawing and Theory—I ...	Wed.	7.30-9.30		J. Farrell	
<b>SECOND YEAR:</b>						
502	Trade, Practice—II ... ..	Tues.	7.30-9.30		D. Cox	
503	Trade, Drawing and Theory—II ...	Thurs.	7.30-9.30		J. Farrell	
<b>THIRD YEAR:</b>						
504	Trade, Practice—III ... ..	Wed.	7.30-9.30		D. Cox	
505	Trade, Drawing and Theory—III and IV ... ..	Tues.	7.30-9.30	C. Curran		
<b>FOURTH YEAR:</b>						
506	Trade, Practice—IV ... ..	Mon.	7.30-9.30	D. Cox		
507	Trade, Drawing and Theory—III and IV ... ..	Tues.	7.30-9.30	C. Curran		

##### E/102. EVENING COURSE IN CABINETMAKING

<b>THIRD YEAR:</b>					
620	Trade, Practice—III ... ..	Wed.	7.30-9.30	B 25	C. Costello
621	Trade, Theory and Drawing—III	Mon.	7.30-9.30	B 23	C. Costello
622	Drawing and Design—III ... ..	Tues.	7.30-9.30	A 15	L. Milner
<b>FOURTH YEAR:</b>					
623	Trade, Practice—IV ... ..	Thurs.	7.30-9.30	B 25	C. Costello
624	Trade, Theory and Drawing—IV	Mon.	7.30-9.30	B 23	C. Costello
625	Drawing and Design—IV ... ..	Tues.	7.30-9.30	A 15	L. Milner

##### E/103. EVENING COURSE IN CARPENTRY AND JOINERY

<b>FIRST YEAR:</b>					
522A	Trade Practice—1A ... ..	Fri.	7.30-9.30	C 14	J. O'Byrne
523A	Geometry and Calculations—1A ...	Tues.	7.30-8.30	C 22	B. Dunne
524A	Trade Theory and Drawing—1A ...	Tues.	8.30-10.0	C 22	B. Dunne
522B	Trade Practice—1B ... ..	Fri.	7.30-9.30	C 15	—
524B	Trade Theory and Drawing—1B	Tues.	7.30-9.00	A 6	—
523B	Geometry and Calculations—1B ...	Tues.	9.00-10.0	A 6	—
<b>SECOND YEAR:</b>					
525A	Trade Practice—II A ... ..	Mon.	7.30-9.30	C 14	J. O'Byrne
527A	Craft Science—Elem. A ... ..	Thurs.	7.30-8.30	A 22	—
526A	Trade Theory and Drawing—II A	Thurs.	8.30-10.0	C 22	B. Dunne
525B	Trade Practice—II B ... ..	Mon.	7.30-9.30	C 15	—
526B	Trade Theory and Drawing—II B	Thurs.	7.30-9.00	A 6	—
527B	Craft Science—Elem. B ... ..	Thurs.	9.00-10.0	A 22	—

##### E/103. Evening Course in Carpentry and Joinery—Contd.

Class No.	Subject	Day	Time	Room	Teacher
<b>THIRD YEAR:</b>					
528A	Trade Practice—III A ... ..	Wed.	7.30-9.30	C 14	J. O'Byrne
529A	Trade Theory and Drawing—III A	Fri.	7.30-9.30	C 22	J. McGuirke
528B	Trade Practice—III B ... ..	Wed.	7.30-9.30	C 15	B. Dunne
529B	Trade Theory and Drawing—III B	Fri.	7.30-9.30	A 6	—
<b>FOURTH YEAR:</b>					
530A	Trade Practice—IV A ... ..	Tues.	7.30-9.30	C 14	J. O'Byrne
531A	Trade Theory and Drawing—IV ...	Wed.	7.30-9.30	C 22	T. Bridgeman
405	Building Construction—1C ... ..	Mon.	7.30-9.30	C 22	W. Cantwell
530B	Trade Practice—IV B ... ..	Tues.	7.30-9.30	C 15	—
531B	Trade Theory and Drawing—IV ...	Wed.	7.30-9.30	C 22	—
405	Building Construction—1C ... ..	Mon.	7.30-9.30	C 22	W. Cantwell
<b>FIFTH YEAR:</b>					
532	Trade Practice—V ... ..	Thurs.	7.30-9.30	C 14	—
533	Trade Theory and Drawing—V ...	Wed.	7.30-9.30	A 6	—
440	Building Construction—1IC ... ..	Mon.	7.30-9.30	A 6	—

##### E/104. EVENING COURSE IN COACHPAINTING

<b>FIRST YEAR:</b>						
660	Trade, Theory and Practice—I ...	Fri.	7.30-9.30	YARNHALL STREET	P. McKenna	
661	Trade, Theory and Practice—I ...	Mon.	7.30-9.30		R. McNamara	
602	Drawing and Design—1 ... ..	Thurs.	7.30-9.30		J. Hannan	
<b>SECOND YEAR:</b>						
662	Trade, Theory and Practice—II ...	Tues.	7.30-9.30		R. McNamara	
663	Trade, Theory and Practice—II ...	Mon.	7.30-9.30		R. McNamara	
605	Drawing and Design—II ... ..	Wed.	7.30-9.30		J. Hannan	
<b>THIRD YEAR:</b>						
664	Trade Theory and Practice—III ...	Wed.	7.30-9.30	R. McNamara		
665	Trade Theory and Practice—III ...	Thurs.	7.30-9.30	R. McNamara		
607	Drawing and Design—III ... ..	Mon.	7.30-9.30	J. Hannan		
<b>FOURTH YEAR:</b>						
666	Trade, Theory and Practice—IV	Wed.	7.30-9.30	R. McNamara		
667	Trade, Theory and Practice—IV	Thurs.	7.30-9.30	R. McNamara		

##### E/105. EVENING COURSE IN PAINTING AND DECORATING

<b>FIRST YEAR:</b>						
600	Trade Practice—I ... ..	Mon.	7.30-9.30	YARNHALL STREET	J. Kenny	
601	Trade Theory ... ..	Wed.	7.30-9.30		P. Gordon	
602	Drawing and Design—I ... ..	Thurs.	7.30-9.30		J. Hannan	
<b>SECOND YEAR:</b>						
603	Trade, Theory and Practice—II ...	Tues.	7.30-9.30		P. Gordon	
605	Drawing and Design—II ... ..	Wed.	7.30-9.30		J. Hannan	
<b>THIRD YEAR:</b>						
606	Trade, Theory and Practice—III ...	Thurs.	7.30-9.30	P. Gordon		
607	Drawing and Design—III ... ..	Mon.	7.30-9.30	J. Hannan		
<b>FOURTH YEAR:</b>						
608	Trade, Theory and Practice—IV ...	Wed.	7.30-9.30	J. Kenny		
609	Trade, Theory and Practice—IV ...	Fri.	7.30-9.30	J. Kenny		



**E/106. EVENING COURSE IN PLUMBING**

Class No.	Subject	Day	Time	Room	Teacher
<b>FIRST YEAR:</b>					
560	Trade, Theory and Drawing—I ...	Tues.	7.30-9.30	C 33	D. Rooney
561	Trade, Practice—I ... ..	Wed.	7.30-9.30	C 30	J. Bartley
<b>SECOND YEAR:</b>					
562	Trade, Theory and Drawing—II ...	Fri.	7.30-9.30	C 33	D. Rooney
563	Trade, Practice—II ... ..	Thurs.	7.30-9.30	C 30	J. Bartley
<b>THIRD YEAR:</b>					
564	Trade, Theory and Drawing—III	Thurs.	7.30-9.30	C 33	P. Bolton
565	Trade, Practice—III ... ..	Fri.	7.30-9.30	C 30	J. Bartley
<b>FOURTH YEAR:</b>					
566	Trade, Theory and Drawing—IV ...	Wed.	7.30-9.30	C 33	J. Bartley
567	Trade Practice—IV ... ..	Tues.	7.30-9.30	C 30	P. Bolton
<b>FIFTH YEAR:</b>					
568	Trade Practice—V ... ..	Mon.	7.30-9.30	C 31	P. Bolton
569	Trade Practice—V ... ..	Wed.	7.30-9.30	C 31	P. Bolton

**E/107. EVENING COURSE IN VEHICLE BUILDING**

Class Nos.	Subject	Day	Time	Room	Teacher
<b>FIRST YEAR:</b>					
640	Trade, Practice—I ... ..	Mon.	7.30-9.30	Yarn-hall St.	—
641	Trade, Theory and Drawing—I ...	Wed.	7.30-9.30	B 23	J. O'Toole
642	Science and Calculations—I ...	Fri.	7.30-9.30	A 26	M. Niall
<b>SECOND YEAR:</b>					
643	Trade, Practice—II ... ..	Mon.	7.30-9.30	Yarn-hall St.	—
644	Trade, Theory and Drawing—II ...	Thurs.	7.30-9.30	B 23	J. O'Toole
645	Science and Calculations—II ...	Wed.	7.30-9.30	A 26	M. Niall
<b>THIRD YEAR:</b>					
646	Trade, Practice—III ... ..	Wed.	7.30-9.30	Yarn-hall St.	—
647	Trade, Theory and Drawing—III ...	Fri.	7.30-9.30	B 23	J. O'Toole
648	Science and Calculations—III ...	Mon.	7.30-9.30	A 26	M. Niall
<b>FOURTH YEAR:</b>					
649	Trade, Practice—IV ... ..	Wed.	7.30-9.30	Yarn-hall St.	—
650	Trade, Theory and Drawing—IV ...	Tues.	7.30-9.30	B 23	J. O'Toole

**E/108. EVENING COURSE IN WOODCUTTING MACHINISTS' WORK**

Class No.	Subject	Day	Time	Room	Teacher
<b>FIRST YEAR:</b>					
540	Trade, Practice—I ... ..	Tues.	7.30-9.30	D 10	J. Wall
541	Trade, Theory and Drawing—I ...	Thurs.	7.30-9.30	A 5	J. Wall
<b>SECOND YEAR:</b>					
542	Trade, Practice—II ... ..	Fri.	7.30-9.30	D 10	M. McDonnell
543	Trade, Theory and Drawing—II ...	Wed.	7.30-9.30	A 5	J. Wall
<b>THIRD YEAR:</b>					
544	Trade, Practice—III ... ..	Thurs.	7.30-9.30	D 10	M. Bridgeman
545	Trade, Theory and Drawing—III & IV ... ..	Mon.	7.30-9.30	A 5	J. Wall
<b>FOURTH YEAR:</b>					
546	Trade, Practice—IV ... ..	Wed.	7.30-9.30	D 10	M. Bridgeman
547	Trade, Theory and Drawing—III & IV ... ..	Mon.	7.30-9.30	A 5	J. Wall

**E/109. EVENING COURSE IN COACHTRIMMING  
JUNIOR AND SENIOR STAGES**

Class No.	Subject	Day	Time	Room	Teacher
680	Trade, Theory and Practice—A ...	Mon.	7.30-9.30	YARNHALL STREET	S. McConaill
681	Trade, Theory and Practice—B ...	Wed.	7.30-9.30		S. McConaill

**E/110. EVENING COURSE IN PLASTERING**

Class No.	Subject	Day	Time	Room	Teacher
<b>FIRST YEAR:</b>					
580	Trade, Practice—I ... ..	Mon.	7.30-9.30	YARNHALL STREET	L. Comerford
581	Trade, Theory and Drawing—I ...	Fri.	7.30-9.30		W. Saunders
<b>SECOND YEAR:</b>					
582	Trade, Practice and Theory—II ...	Tues.	7.30-9.30	YARNHALL STREET	L. Comerford
583	Trade, Practice and Theory—II ...	Thurs.	7.30-9.30		L. Comerford
<b>THIRD AND FOURTH YEARS:</b>					
584/586	Trade, Practice and Theory—III & IV ... ..	Wed.	7.30-9.30	YARNHALL STREET	L. Comerford
585/587	Trade, Practice and Theory—III & IV ... ..				

**E/111. EVENING COURSE IN UPHOLSTERY**

Class No.	Subject	Day	Time	Room	Teacher
690	Trade, Theory and Practice—I ...	Tues.	7.30-9.30	Yarn-hall St.	—

**E/112. EVENING COURSE IN WOODFINISHING**

Class No.	Subject	Day	Time	Room	Teacher
700	Trade, Practice ... ..	Mon.	7.30-9.30	B 25	—
701	Theory ... ..	Tues.	7.30-9.30	B 34	—



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Wm, Warren & Son, Ltd.  
Printers - Dublin

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