

# Abertay University Archives

## Finding Aid - Quantity Surveying course materials of Harry Diack (HD)

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# Quantity Surveying course materials of Harry Diack

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## Summary information

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<b>Repository:</b>	Abertay University Archives
<b>Title:</b>	Quantity Surveying course materials of Harry Diack
<b>Reference code:</b>	HD
<b>Date:</b>	1956-1979 (date of accumulation)
<b>Physical description:</b>	7 lever arch files of quantity surveying worked examples and exam papers; 18 volumes of textbooks and final year course work.
<b>Language:</b>	English
<b>Dates of creation, revision and deletion:</b>	

## Custodial history

Harry Diack studied successfully for the Diploma in Quantity Surveying at the Dundee College of Technology (at that time part of the Dundee Institute of Art and Technology) from 1971-1975. This qualification was highly regarded nationally, and gave dispensations to the Royal Institution of Chartered Surveyors (RICS) Final Test of Professional Competence which meant students could sit the Test earlier than the three years specified.

The course covered many subjects including but not limited to Quantities (Measurement), Land Surveying, Professional Practice, Law, Structures, Public Health etc. It went on to be offered as a BSc degree course that ran into the 21st century.

During the course he received and retained all the 'worked' examples, including drawings, of how Quantities were calculated for different aspects of building. He retained these after qualifying, and passed them, along with his course textbooks, to Abertay University Archives on his retirement in 2021.

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## Scope and content

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Course drawings and quantity specifications comprising the worked examples; professional standards, guidance, standard forms etc, and coursework.

## Notes

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### Title notes

### Immediate source of acquisition

Harry Diack, Quantity Surveyor

### Restrictions on access

No restrictions

### Other notes

- **Publication status:** Published
- **Level of detail:** Partial
- **Status description:** Draft

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## Access points

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- Building plans (documentary form)
- Course materials (documentary form)
- Quantity Surveying (subject)
- Dundee College of Technology (place)

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## Series descriptions

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### Series HD-1: Worked Example Files

Creator: Dundee College of Technology Harry Diack

Date: 1972-1975 (accumulation) (date of creation)

Scope and content:

Folders of worked example paperwork. The final folder also contains course exam papers and text books.

The worked examples are split into course years, with each providing a drawing for an aspect of a building, and a corresponding set of specifications and quantities. They are typed, in the majority of cases, however some are hand written, and include all calculations to demonstrate how quantities were calculated for inclusion in Bills of Quantities for issue to Contractors for tendering purposes and preparation of Final Accounts.

Physical description: 7 lever arch folders

Language of the material:

English

Access points:

- Building plans (documentary form)
- Course materials (documentary form)
- Quantity Surveying (subject)
- Dundee College of Technology (place)

Restrictions on access:

No restrictions

Publication status:

Published

### File / item list

Reference code	Title	Dates	Physical description
HD-1-1	<p><b>File - File 4 - Second Year Quantity Surveying</b></p> <p><i>Creator:</i> Dundee College of TechnologyHarry Diack</p> <p><i>Scope and content:</i> Construction and Materials tutorial notes and coursework; Formwork;Diploma Part II Syllabus;Construction notes on:- Introduction to Quantity Surveyors Role in the Building Industry Function and Uses of Bills of Quantities The Evolution of the Bill of Quantities Setting Out of Items and Dimensions Statement Notes on measurement of different tradesWorked Examples (format is Drawing No; Drawing Title; Model (all references in brackets are to the Standard Method of Measurement of Building Works Edition 5 (SMM) Sections)1 Dormer Slater Work (M)2 Tilerwork Roof Tiler Work (M)3 Roof Measurement Asphalt roofing (L)4 Pitched Slate Roof Slater Work, Tile Work (alt) (M)5 Asphalt Roofing Asphalt Roofing (L) Bituminous Felt (M)6 Example A Roofing Measurement Asphalt Roofing (L), Bituminous Roofing (M)7 Example B Roofing Measurement Asphalt Roofing (L)8 The Bungalow – RICS intermediate Exam 1970 Roof Carpentry, Joinery Works (M,N,P)</p>	September 1972 – June 1973	1 lever arch folder
HD-1-2	<p><b>File - File 5 - Second Year Quantity Surveying</b></p> <p><i>Creator:</i> Dundee College of TechnologyHarry Diack</p> <p><i>Scope and content:</i> Worked Examples (format is Drawing No; Drawing Title; Model (all references in brackets are to the Standard Method of Measurement of Building Works Edition 5 (SMM) Sections)9/ A1 Offices and Stores Excavations, Foundations, Brickwork, Drainage(D,F,G,X)9/ B2 Offices and Stores17 Typical Window Details Joinery (P)18 Framed Lined Door Joinery (P)19 Door Types (Int and External) Joinery (P) Rainwater Installation (Dwg 9) (S) Plaster Work (Dwg 9) (U) Glazier Work (Dwg 9) (V) Plumber Work – Roof Lead Work (M) Painter Work (W)10 Room with Dormer Slater Work (M) Plasterwork (Dwg 10) (U)11 Office and Store (Workshop) Plaster Work (U)12 4Apt Dwelling House Excavations, Foundations, Under Building Superstructure (D,F,G,M,S,X) Plumber Work (gutters etc) (M) Drainage</p>	September 1972 – June 1973	1 lever arch folder



	(S)1 Basement Excavations / Underpinning (D,H,G) (Civils)2 Retaining Wall (D,F,J,G,K) (Civils)3 Chimney Shaft (D,G,F,4 Precast Concrete Piling / Concrete Building RICS Final Exam 1963 (E,F5 Entrance Door (F)6 Concrete Balcony (F)7 Loading Bay (F)8 Concrete Stair (F)9 Reinforced Concrete Building (F)10 Structural Steel Work Sheet 1 (Q)11 Structural Steel Work Sheet 2 (Q)12 Structural Steel Work (Q)
HD-1-6	<p><b>File - File 10 – 4th Year Quantity Surveying</b> January - June 1975 1 lever arch folder</p> <p><i>Creator:</i> Dundee College of TechnologyHarry Diack</p> <p><i>Scope and content:</i> Worked Examples (format is Drawing No; Drawing Title; Model (all references in brackets are to the Standard Method of Measurement of Building Works Edition 5 (SMM) Sections)13 Oriel Window (K)14 Stone Work in Ashlar with semi- circular Arch (K)15 Stone Work (G,K)16 Stone Work – Glasgow High School (K)17 Stone Work Panels and Pillasters (K)18 Cupboard below Fume Cupboard (N,P)19 Details for above 18 (N,P)20 Details for above 18 (N,P)21 Timber Curtain Walling Details (P)22 Timber Curtain Walling Details (P)23 Trusses to Octagonal Roof (N)24 Trusses to Octagonal Roof (N)25 Stairway (P)26 Timber Screen (N,P)27 Stone Tracery Cottingham Church (K, Y)28 Panelling (N,P)29 Panelling30 Panelling31 Panelling32 Panelling Details (P)33 Panelling Details34 Marble Catafalque (U)35 Mansard Roof (M)36 Mansard Roof – Copper Roof Details37 Alteration Works (C)38 Demolitions and Alterations (C)39 Forming Window Openings (C,K)40 – 48 incl Plumbing (S)No number Boundary Wall - Civil Engineering (Civils)No number Carriageway – Civil Engineering (Civils)</p>
HD-1-7	<p><b>File - File 12 – 4th Year Quantity Surveying + Text Books and Exam Papers</b> 1972 - June 1975 1 lever arch folder</p> <p><i>Creator:</i> Dundee College of TechnologyHarry Diack</p> <p><i>Scope and content:</i> Building Economics, Cost Planning and Cost in Use - NotesPublic Building Sheets 1 and 2Worked Examples3 Apt Detached Bungalow – Probable Cost5 Apt Detached Bungalow – Probable Cost4 Apt Detached Bungalow – Probable Cost4 Shop Units and 4 Houses – Probable Cost4 Apt House Loch Earn – Probable Cost5 Apt House Loch MareeCost In Use – P A Stone (handwritten copy)Cost Planning of Buildings – D J Terry (hand and type-written copy)Building Economics – I Seeley (hand and type written copy)EXAM PAPERS Part 1 1972 – Construction and Materials Papers A and B 18/5/1972 and 19/5/1972; Structural Design 22/5/1972; Public Health Services 23/5/1972; Land Surveying 24/5/1972; Economics 25/5/1972 and Principles of Law 26/5/1972. (7 Papers)Exams Part 1 1971 BookletEXAM PAPERS Part 2 1973 – Law of Contract 18/5/1973; Environmental and Electrical Services 23/5/1973; Structural Design 24/5/1973; Construction and Materials Papers A and B 25/5/1973 and 28/5/1973; Public Health Services 29/5/1973; Quantity Surveying 30/5/1973 and Economics 31/5/1973. (8 papers)Exams Part 2 1972 BookletEXAM PAPERS Part 3 1974 – Construction and Materials Papers A and B 21/5/1974 and 22/5/1974; Environmental Services 23/5/1974; Accountancy 24/5/1974 am; Specification 24/5/1974 pm; Law for Quantity Surveyors 27/5/1974; Quantity Surveying Papers A and B 28/5/1974 and 29/5/1974; Principles of Valuation 30/5/1974. (9 Papers)Exams Part 2 1973 BookletEXAM PAPERS Part 4 1975 – Computer Studies 22/4/1975; Quantity Surveying Papers A and B 29/5/1975 and 30/5/1975; Economics and Cost Planning 2/6/1975; Professional Practice and Project Management 3/6/1975; Estimating and Price Analysis 4/6/1975; Arbitration and Committee Procedures 6/6/1975. (7 Papers)Exams Part 4 1974 Booklet</p>
<p><b>Series HD-2: Coursework</b></p> <p><u>Creator:</u> Harry Diack</p> <p><u>Date:</u> 1975 (date of creation)</p> <p><u>Scope and content:</u></p>	

Final year Quantity Surveying Diploma coursework assignment.

Physical description: 1 spiral bound booklet

Language of the material:

English

Access points:

- Course materials (documentary form)
- Quantity Surveying (subject)
- Dundee College of Technology (place)

Restrictions on access:

No restrictions

Publication status:

Published

#### File / item list

Reference code	Title	Dates	Physical description
HD-2-1	<p><b>Item - Coursework 1975 - Preparation of Draft Bill of Quantities</b></p> <p><i>Creator:</i> Harry Diack</p> <p><i>Scope and content:</i> Photocopy of a handwritten Draft Bill of Quantities for various trades, including Preliminaries and Measurements for each trade involved in a construction project to build a structure that includes brick, concrete, cement, and steel reinforcement materials.</p>	1975	1 spiral bound volume

### Series HD-3: Quantity Surveying Textbooks

Creator: Various

Date: 1956-1979 (accumulation) (date of creation)

Scope and content:

Professional standards, guidance, standard forms etc used by Harry Diack in his studies and early career.

Physical description: 17 volumes

Access points:

- Course materials (documentary form)
- Quantity Surveying (subject)
- Dundee College of Technology (place)



Restrictions on access:

No restrictions

Conditions governing use:

Copyright may apply on volumes that restricts copying.

Publication status:

Published

**File / item list**

Reference code	Title	Dates	Physical description
HD-3-1	<b>Item - Standard Method of Measurement of Building Works – 5th Edition.</b> <i>Creator:</i> Royal Institution of Chartered SurveyorsNational Federation of Building Trades Employers <i>Scope and content:</i> Referred to as SMM5. Provides detailed information, classification tables and rules for measuring building works. Its intention is to give a uniform basis for measuring building works in order to facilitate industry wide consistency and benchmarking, to encourage the adoption of best practice and to help avoid disputes.Published by The Royal Institution of Chartered Surveyors, and the National Federation of Building Trades Employers, sixth edition.This standard was used throughout the duration of Harry Diack's Quantity Surveying course at the Dundee College of Technology.	July 1968	1 volume
HD-3-2	<b>Item - Standard Method of Measurement of Building Works</b> <i>Creator:</i> Royal Institution of Chartered SurveyorsNational Federation of Building Trades Employers <i>Scope and content:</i> Referred to as SMM6. Provides detailed information, classification tables and rules for measuring building works. Its intention is to give a uniform basis for measuring building works in order to facilitate industry wide consistency and benchmarking, to encourage the adoption of best practice and to help avoid disputes. The accompanying Practice Manual provides guidance and good practice on applying the standard in the measurement of building works.Published by The Royal Institution of Chartered Surveyors, and the National Federation of Building Trades Employers, sixth edition.	1979	2 volumes
HD-3-3	<b>Item - Standard Method of Measurement of Civil Engineering Quantities</b> <i>Creator:</i> Institution of Civil Engineers <i>Scope and content:</i> Provides a standard procedure for how the Bill of Quantities shall be prepared and priced, and how the quantities of work will be expressed and measured.Published by the Institution of Civil Engineers, reprinted 1974.	1974	1 volume
HD-3-4	<b>Item - Civil Engineering Standard Method of Measurement</b> <i>Creator:</i>	1976	1 volume

	Institution of Civil Engineers <i>Scope and content:</i> Provides a standard procedure for how the Bill of Quantities shall be prepared and priced, and how the quantities of work will be expressed and measured. Published by the Institution of Civil Engineers.
HD-3-5	<b>Item - Conditions of Contract and Forms of Tender, Agreement and Bond for Works of Civil Engineering Construction</b> 1971 1 volume <i>Creator:</i> Institution of Civil Engineers Association of Consulting Engineers Federation of Civil Engineering Contractors <i>Scope and content:</i> Provides standard conditions of contract and forms of tender, agreement and bond to be applied in connection with civil engineering construction works. Published by The Institution of Civil Engineers, The Association of Consulting Engineers, and The Federation of Civil Engineering Contractors, fourth edition (amended).
HD-3-6	<b>Item - General Conditions of Contract Forms of Tender, Agreement and Bond for Works of Civil Engineering Construction</b> June 1973 1 volume <i>Creator:</i> Institution of Civil Engineers Association of Consulting Engineers Federation of Civil Engineering Contractors <i>Scope and content:</i> Provides standard conditions of contract and forms of tender, agreement and bond to be applied in connection with civil engineering construction works. Published by The Institution of Civil Engineers, The Association of Consulting Engineers, and The Federation of Civil Engineering Contractors, fifth edition.
HD-3-7	<b>Item - General Condition of Government Contracts for Building and Civil Engineering Works</b> 1977 1 volume <i>Creator:</i> Her Majesty's Stationery Office (HMSO) <i>Scope and content:</i> Provides general conditions to be applied to all UK Government contracts for building and civil engineering works. Published by Her Majesty's Stationery Office (HMSO), second edition.
HD-3-8	<b>Item - Code of Practice for Single Stage Selective Tendering</b> 1977 1 volume <i>Creator:</i> National Joint Consultative Committee for Building The Department of the Environment The Joint Standing Committee of Architects, Surveyors and Building Contractors in Scotland The Joint Consultative Committee for Building, Northern Ireland Royal Institute of British Architects (RIBA) <i>Scope and content:</i> Provides a single stage selective tendering procedure for commissioning building works. Published for the National Joint Consultative Committee for Building by the Royal Institute of British Architects (RIBA).
HD-3-9	<b>Item - The Decision to Build</b> 1970 1 volume <i>Creator:</i> Ministry of Public Building Works

	<i>Scope and content:</i> Handbook looking at the application of discounting to the decision process in building, and the techniques of Cost-In-Use, Private Investment Appraisal, and Cost benefit Analysis and how and when they are applied. Published by the Ministry of Public Building and Works.		
HD-3-10	<b>Item - Cost Study Building Bulletin 4</b>	1972	1 volume
	<i>Creator:</i> Department of Education and Science		
	<i>Scope and content:</i> Bulleting demonstrating how cost information obtained on previous projects can be applied in current work during the design and planning design stages to help in cost analysis and cost planning. Published by the Department of Education and Science, third edition.		
HD-3-11	<b>Item - Examples from Operational Bills</b>	June 1966	1 volume
	<i>Creator:</i> E. R. Skoyles Building Research Station, Ministry of Technology		
	<i>Scope and content:</i> Provides layouts of sample operational bills, and annotations on points of interest. Written by E. R. Skoyles, ARICS, AIQS, and published by the Building Research Station, Ministry of Technology.		
HD-3-12	<b>Item - Preparation of an Operational Bill</b>	June 1967	1 volume
	<i>Creator:</i> E. R. Skoyles Building Research Station, Ministry of Public Building and Works		
	<i>Scope and content:</i> Description of the methods used to produce an Operational Bill, with a discussion of the difference between this and normal quantity surveying practice. Written by E. R. Skoyles, ARICS, AIQS. Published by the Building Research Station, Ministry of Public Building and Works.		
HD-3-13	<b>Item - Federation of Civil Engineering Contractors – Schedule of Dayworks</b>	1977	1 volume
	<i>Creator:</i> Federation of Civil Engineering Contractors		
	<i>Scope and content:</i> Schedules providing descriptions and rates for standard dayworks works associated with civil engineering contract work. Published by the Federation of Civil Engineering Contractors.		
HD-3-14	<b>Item - Presentation and Format for Preliminaries in a Bill of Quantities for use in Scotland</b>	1974	1 volume
	<i>Creator:</i> Royal Institute of Chartered Surveyors (Scottish Branch)		
	<i>Scope and content:</i> A standardised form of presentation for preliminaries in a Bill of Quantities in Scotland when RIBA (Royal Institute of British Architects) Conditions and Standard Method of Measurements apply. Published by the Royal Institute of Chartered Surveyors (Scottish Branch), Third Edition.		
HD-3-15	<b>Item - Plan of Work for design team operation</b>	1973	1 volume
	<i>Creator:</i> Royal Institute of British Architects (RIBA)		
	<i>Scope and content:</i>		

	Reprinted extract from the Royal Institute of British Architects (RIBA) Handbook providing a systematic plan of work for architectural design teams.		
HD-3-16	<b>Item - Code of Estimating Practice</b>	1973	1 volume
	<p><i>Creator:</i> Institute of Building</p> <p><i>Scope and content:</i> Code providing a systematic approach to providing building estimates. Published by the Institute of Building, third edition.</p>		
HD-3-17	<b>Item - Copper Flashings and Weatherings</b>	1956	1 volume
	<p><i>Creator:</i> Copper Development Association:</p> <p><i>Scope and content:</i> Practical handbook providing details on how copper sheet and strip are used for flashings and weatherings of all normal types. Published by the Copper Development Association, tenth revised impression.</p>		