Resources for Civil Engineering and Built Environment

Contact details for further help are at the end of this guide.

The resources in this guide will help you learn more about your subject. The best place to start your search is **Discover**, which provides you with easy access to thousands of books, eBooks, journal articles and much more. You can access Discover and other key resources via the **Electronic Library** at: www.ljmu.ac.uk/library/e-library

Remember, your modules also have reading lists in Canvas with links to recommended books, eBooks, journal articles and other subject resources.

Books and eBooks

There is an extensive collection of books and eBooks on all aspects of Civil Engineering and Built Environment. You can browse what is available in your subject area or look for specific titles by searching **Discover**.

- Go to **Discover**, if prompted, **Sign in** with your **LJMU username@ljmu.ac.uk** and **password**
- Type a book title or keywords and select the search icon
- From the results screen, you can filter your results by selecting **Books**
- Select a book title to see more details and availability
- eBooks will have links to view online
- Print books will show number of copies and location

Print books have a class number and are organised numerically by that number on the shelves. Common class numbers are shown below:

Building	690
Building Contracts	692.8
Building Law	343.078
Building Maintenance	690.24
Building Materials	691

Building Management	690.068
Building Regulations	692.9
Building Services	696-697
Building Surveying	692
Civil Engineering	624
Construction Management	690.068
Contract Law	346.02
Foundations	624.15
Highway Engineering	625.7
Hydraulic Engineering	627
Landlord & Tenant Law	346.0434
Measurement & Estimating	692.5
Municipal Engineering	628
Property Management	333.33
Quantity Surveying	692.5
Safety in Construction	690.22
Site Management	690.2
Site Surveying	526.9
Structural Analysis & Design	624.17

Journals

Journals are published on a regular basis and contain up-to-date information. Journals contain articles focussing on specific topics written by subject specialists.

To find individual journal titles on your subject area:

- Go to **Discover**, if prompted, **Sign in** with your **LJMU username@ljmu.ac.uk** and **password**
- Select the **Journals** option
- Type a journal title you wish to access and select the search icon
- Select a journal title to see more details and availability
- eJournals will have links to view online
- Print journals will show number of issues and location

Databases

You can search for journal articles using **Discover** or via individual databases. There are different types of databases. For example:

- **Full-text databases** provide access to full-text information such as journal articles, book chapters, reports, standards, statistics and legislation
- **Abstracting and Indexing Databases** are searchable indexes, you can view the abstract or summary for each resource. If full-text is available follow the link, if not you can request an **Inter-library loan** at: https://www.ljmu.ac.uk/microsites/library/resources/access-to-other-libraries/inter-library-loan-service

To access a database:

- Go to **Discover**, if prompted, **Sign in** with your **LJMU username@ljmu.ac.uk** and **password**
- Select the **Databases** option
- Select **Civil Engineering** or **Built Environment** to see suggested databases or type the name of the database in the search box and select the **search icon**
- Select the database title to see more details and note any log-in requirements
- Select the database link

Academic Full-text Databases

The databases below are listed in alphabetical order:

Access Engineering

A reference source of eBooks, videos, interactive spreadsheets and tutorials for all Engineering disciplines including Mechanical, Electrical, Civil and Product Design Engineering, Computer Science and Built Environment.

ASCE Library

Provides access to key journal titles from the American Society of Civil Engineers.

Business Source Ultimate

Business Source Ultimate offers an unprecedented wealth of peer-reviewed, full-text journals and other resources that provide historical information and current trends in business.

Emerald Insight

Provides access to peer-reviewed journals, books and case studies. Content covers a wide range of subjects including accounting and finance, business and management, marketing, education, information studies and engineering. It includes many key journal titles for Civil Engineering and Built Environment.

ICE Virtual Library

Provides access to key journal titles and eBooks from the Institution of Civil Engineers.

Proquest Central

Provides access to databases across all major subject areas and includes thousands of full-text scholarly journals, trade and professional titles, newspapers, magazines, dissertations, working papers, case studies, and market reports.

Sage Journals

A multidisciplinary database providing access to quality, peer-reviewed journals published by Sage.

Science Direct

The world's leading source for scientific, technical, and medical research. It is a multidisciplinary database, which provides full-text access to more than 16 million references from over 2,500 high-quality journals and over 39,000 books and major reference works. Digital archive dates back to 1823.

Springer Link Journals

A multidisciplinary database providing access to peer-reviewed journals, books, series, protocols, reference works and proceedings published by Springer.

Taylor and Francis Online

A multidisciplinary database providing full-text access to quality, peer-reviewed journals published by Taylor & Francis, Routledge and Psychology Press.

Wiley Online Library

A multidisciplinary database providing access to over 4 million articles from 1,600 journals, online book chapters and eBooks published by Wiley.

Academic Abstracting and Indexing Databases

The databases below are listed in alphabetical order:

Compendex

Compendex covers all areas of engineering and applied science including transportation, optical technology, computers and data processing, electronics and communications, civil, mechanical, materials and automotive engineering as well as narrower subtopics within all these and other major engineering fields. The database indexes over 4,000 engineering journal titles and over 95,000 conference proceedings.

Inspec

Inspec covers the fields of electrical engineering, electronics, physics, control engineering, information technology, communications and computing. The database indexes over 5,000 technical and scientific journal titles and over 70,000 conference proceedings.

Online coverage for both Compendex and Inspec databases is from 1969 to the present and it is updated weekly. You can search both databases individually or at the same time via the Engineering Village interface.

Scopus

Multidisciplinary abstract and citation database of peer-reviewed literature: journals, books and conference proceedings, many with links to full text.

Web of Science

A powerful research platform and global citation index including over 161 million records for books, peer-reviewed scholarly journals, and conference proceedings across 254 disciplines. It includes access to the Arts and Humanities Citation Index (1975 to the present), Science Citation Index Expanded (1970 to the present), Social Sciences Citation Index Expanded (1970 to the present). It also contains citation data, for example, journal impact factors and h-index to help you identify quality research.

You can check if LJMU has access to full-text by clicking on the **Full Text** icon within the database, this will check our other collections and direct you to any available full-text.

Technical and professional databases provide access to key technical and professional resources.

Construction Information Service

Construction Information Service (CIS) is an online tool to quickly access current regulations, construction standards, technical advice and industry news on building, engineering, design and construction processes in the United Kingdom and Republic of Ireland.

British Standards Online

Provides access to British Standards and Eurocodes.

ISURV

An information resource provided by RICS with sections on Building Surveying, Commercial Property, Construction, Infrastructure, Planning, Residential, Rural, Sustainability and Valuation. Includes best practice, legal information and relevant RICS materials.

BCIS

Provides access to Building Cost Information Service.

Digimap

Provides access to geospatial data in the following collections: Ordnance Survey, Historic, Geology, Marine, Environment, Aerial, Lidar, Global and Society.

ASTM Standards

Provides access to the ASTM (American Society for Testing and Materials) standards and related journals, manuals, technical, research and market reports.

National Rail Standards

Provides access to the National Rail Standards via the Engineering Workbench platform

CoStar Suite

Provides access to the UK commercial property database.

EG Radius Data Exchange

Provides access to the online news, market data, legal, research and information service for the property market.

IET Wiring Regulations

Provides access to a suite of IET (The Institution of Engineering and Technology) titles in electrical building services design, installation and facilities management.

Legal databases provide access to cases, legislation, law reports, journals, guidance and newspapers.

Lexis+

Access to up-to-date legislation, case law, commentary and full-text and abstract of a wide range of legal journal articles. The News tab contains an archive of UK national and regional newspapers, with coverage from the 1990s up to the present day.

Westlaw UK

Access to up-to-date legislation, case law, commentary and full-text and abstract of a wide range of legal journal articles.

i-Law.com
Provides access to Building Law Reports.

Hein Online Law Journal Library
The database has a number of collections including the Law Journal Library, the Kluwer Law International Journal Library and the English Reports. The Law journal library contains the full text of more than 1,100 UK, US and international law and law-related journals. Coverage is from the first issue published for all journals, giving access to older material. In some cases, the current issues are available but generally, the current year or volume is unavailable. Recent issues may be available in Westlaw or Lexis Library.

Law Trove
Access to over 140 Oxford University Press Law Textbooks.

Practical Law
Legal guidance solution that provides lawyers and students with quality-assured head start. Access standard documents, practice notes, checklists, legal updates and articles - created and maintained by expert editors. Practical Law is also linked within Westlaw UK.

Statistics, social and business data databases offer statistical evidence and reports including social and economic data.

Statista
Provides access to statistics, studies and reports on countries, industries and consumer markets. It has global coverage.

MINTEL
Market intelligence provides an outlook on the consumer landscape this includes data, market research, market analysis, competitive intelligence, and product intelligence: the expert analysts combine these elements to create insight of the market.

IBIS World
A collection of industry reports organised by Standard Industry Classification (SIC) codes. It covers a broad array of industry sectors. The coverage includes global reports and country specific reports covering UK, Germany, US and Mexico. The reports provide analysis of each industry including industry performance, supply chain, key players, and competitive landscape.

Passport
Provides intelligence on industries, economies, consumers, and companies. Passport is a global

market analysis platform that analyses the industry in countries around the world providing cross-country comparison of market sizes, forecasts and market shares.

Fame
Provides financial reports and analysis of private and public limited companies in the UK and Republic of Ireland.

UK Data Service
The UK's largest collection of social, economic and population data resource, including UK census data and government funded surveys as well as qualitative and business data.

Websites

The content of websites is unregulated. Therefore, it is important that you check the quality and accuracy of information on the internet to ensure that it is reliable, accurate and of an academic standard. There are selected websites or search engines that you can use to help find appropriate information online, for example Google Scholar. If you find details for a relevant resource on the internet, you can check if LJMU has full-text access.

Further Help

The Academic Engagement Librarian for the School of Civil Engineering and Built Environment is:

Pauline Smith   p.smith@ljmu.ac.uk

Please contact her to arrange a one-to-one appointment.

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