



Library and Learning Resources

Cert HE Computing Term 1

Info/Digital Skills

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Mon-Sun 9am-5pm

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Covered in this session:

- Research Process
- Research Process: accessing the catalogue
- How to access other library resources – intranet
- Library Info skills module: (access Moodle or Intranet)
 - Finding and Using Information: Identifying Information
 - Referencing and Plagiarism
 - Referencing handbooks and Cite Them Right (in Online Resource List)
- Digital and Info Skills Links
- Contacts



The Research Process: InfoSkills vs Academic Skills

1. **Identify** key terms from assignment.
2. **Search:**
 - Online Resource List
 - Library catalogue (eBooks, journal articles)
 - Google Scholar
 - Blogs, etc.
3. **Evaluate** results to use as evidence.
4. **Process Evidence:**
 - Note source (author, title, URL...)
 - Paraphrase/summarise/quote
5. **Organise** the points and write them in requested format (report, essay, presentation....)
6. **Format** the sources (evidence) as in-text citations and List of References according to assigned style (Harvard or IEEE)



Catalogue search

Assignment:

Explore the factors contributing to data complexity, including the variety of data sources, data formats, and data quality issues.

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The screenshot displays the library search interface for the University of Wales Trinity Saint David. The browser tabs at the top include 'Email - Ivana Curcic - Outlook', 'Email - London Library - Outlook', 'LSH: BA Business Management', 'Ex Libris - Alma', 'Oracle Analytics Interactive Dashboard', 'data complexity' (selected), and 'Ex Libris Discovery - data comp'. The search URL is 'librarysearch.uwtsd.ac.uk/discovery/search?query=sub.contains.data%20complexity,AND&filter=lang.exact.eng,AND&tab=Everything&search_scope=MyInst_and_CI&vid=44WHELF_UWTSD:44WHELF_UWTSD_VU1&lang...'. The search criteria panel shows 'Search Scope: Search everything', 'Subject: contains data complexity', and 'AND Any field contains Enter a search term'. The search filters include 'Material Type: All items', 'Language: English', 'Start Date: Day Month Start Year', and 'End Date: Day Month End Year'. The search results show two books: 'Physical perspectives on computation, computational perspectives on physics' edited by Michael E. Cuffaro and Samuel C. Fletcher, 2018; Cambridge University Press, and 'Data visualization and statistical literacy for open and big data' by Theodosia Prodromou, University of New England, Australia [editor], 2017; Information Science Reference. The interface also includes a 'Tweak my results' section with options like 'Expand My Results', 'Sort by Relevance', and 'Availability' (Full Text Online, Peer-reviewed Journals, Open Access, Held by library).

Google Scholar search

The screenshot shows a Google Scholar search results page. The browser tabs at the top include 'Email - Ivana Curcic - Outlook', 'Email - London Library - Outlook', 'LSH: BA Business Management', 'Ex Libris - Alma', 'Oracle Analytics Interactive Data', '"data complexity" "data sources"', and 'Ex Libris Discovery - data comp'. The address bar shows the URL: scholar.google.com/scholar?as_ylo=2020&q='data+complexity'+'+data+sources'+'+data+formats'&hl=en&as_sdt=0,5. The search bar contains the query: "data complexity" "data sources" "data formats".

On the left sidebar, the 'Articles' filter is selected, showing 'About 287 results (0.34 sec)'. The sidebar also includes filters for 'Any time' (with sub-options: Since 2024, Since 2023, Since 2020, Custom range...), 'Sort by relevance' and 'Sort by date', 'Any type' (with 'Review articles' selected), and checkboxes for 'include patents' and 'include citations'. A 'Create alert' button is at the bottom of the sidebar.

The search results are listed in a table-like format with the following entries:

Article Title and Authors	Link
Data formats and its research challenges in iot: A survey S Mahanthappa, BR Chandavarkar - Evolutionary Computing and Mobile ..., 2021 - Springer ... The data sources should be able to generate data and provide access to other devices and applications, which securely request them. A URL publishes the data generated and sends ... ☆ Save 99 Cite Cited by 5 Related articles All 7 versions Import into RefWorks 00	
Big Data Complexity, Dependability and Emerging Applications GM Soomro, B Chramcov, R Jasek... - 2023 IEEE 8th ..., 2023 - IEEEExplore IEEE.org ... In conclusion, organizations can overcome the challenges posed by big data complexity and ... The variety of data sources results in various data formats and intricate data structures, ... ☆ Save 99 Cite Related articles Import into RefWorks 00	[PDF] ieee.org
[HTML] Big data analytics for data-driven industry: a review of data sources , tools, challenges, solutions, and research directions AC Ikegwu, HF Nweke, CV Anikwe, UR Alo... - Cluster ..., 2022 - Springer ... In knowledge for researchers and practitioners on the right information and BDA tools to extract knowledge in large significant industrial data that could help to handle big data formats ☆ Save 99 Cite Cited by 33 Related articles All 4 versions Import into RefWorks	[HTML] springer.com View It @ UWTSd Library
SDM-RDFizer: An RML interpreter for the efficient creation of RDF knowledge graphs E Iglesias, S Jozashoori, D Chaves-Fraga... - Proceedings of the 29th ..., 2020 - dl.acm.org ... knowledge harvested from myriad data sources . However, data complexity issues like large ... for describing mapping rules over diverse data formats , multiple tools have been developed ... ☆ Save 99 Cite Cited by 86 Related articles All 10 versions Import into RefWorks 00	[PDF] acm.org
Improvement Master Data Management: Case Study Of The Directorate General Of The Religious Courts Of The Supreme Court Of The Republic Of Indonesia R Aliandi, Y Ruldeviyani - Sinkron: jurnal dan penelitian teknik ..., 2024 - polgan.ac.id ... the process of consolidating and integrating various master data sources into one separate source of truth, as well as helping to overcome data complexity that occurs in the process of ... ☆ Save 99 Cite Related articles All 4 versions Import into RefWorks 00	[PDF] polgan.ac.id
[PDF] Significance and Challenges of Big Data in Healthcare: A Review SMN Mustafa, SSZ Hassan Zaki, M Shoaili - researchgate.net ... Variety is the process of combining several data sources to provide the necessary ... reasons for data complexity include the variety of data formats , the number of data sources ☆ Save 99 Cite Related articles Import into RefWorks 00	[PDF] researchgate.net

How to link Google Scholar to the library catalogue

Go to **Google Scholar** <https://scholar.google.com/>

Click on **Settings**.

(E.g. In Google Chrome web browser, it is in the upper left corner, where there are three horizontal lines)

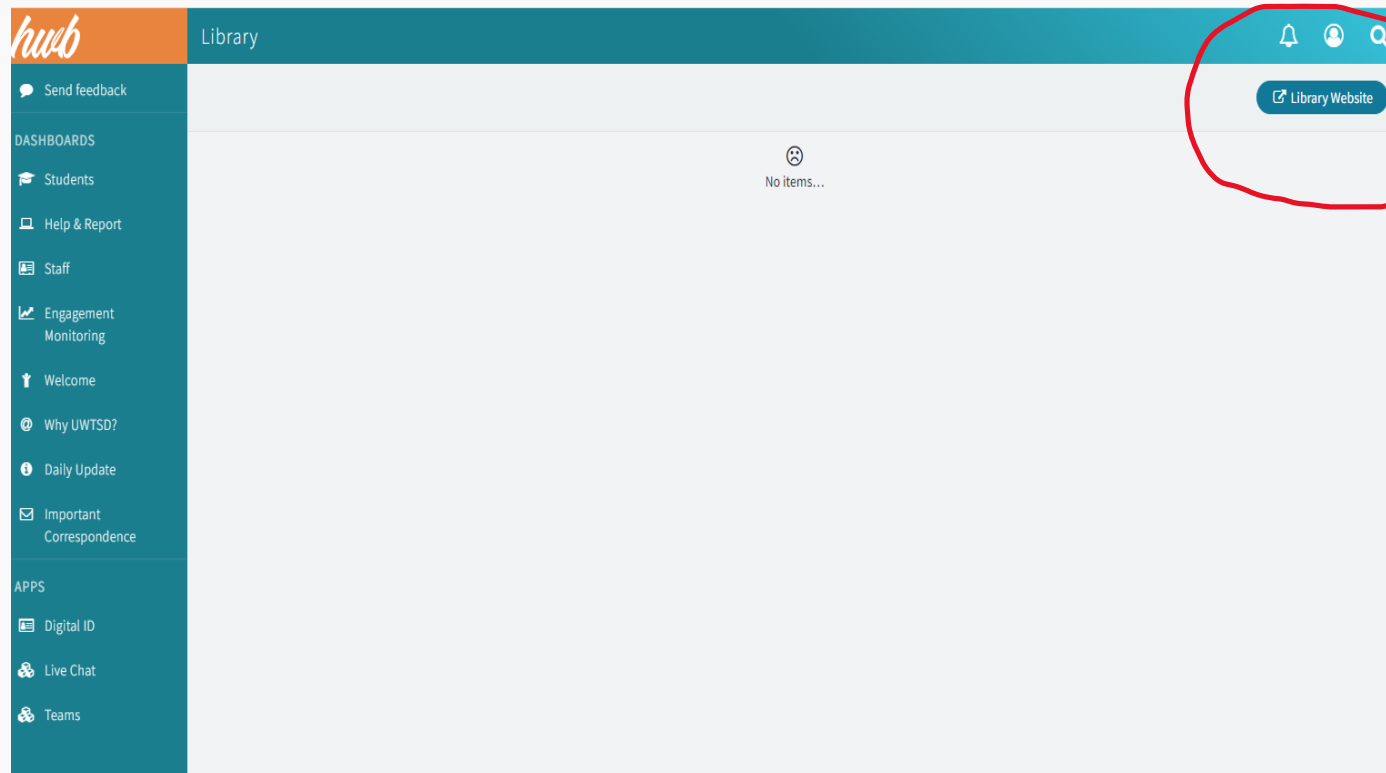
Select **Library Links**: In the search box type exactly **UW Trinity Saint David** (not UWTSD, not University of Wales...)

Click **Save**

Now, when you search Google Scholar, there will be links for those articles/books that are available in the UWTSD library. Among the books, however, you will still need to distinguish the electronic ones from the print ones (which cannot be read online).



Simplest Access: in Hwb, click on Library

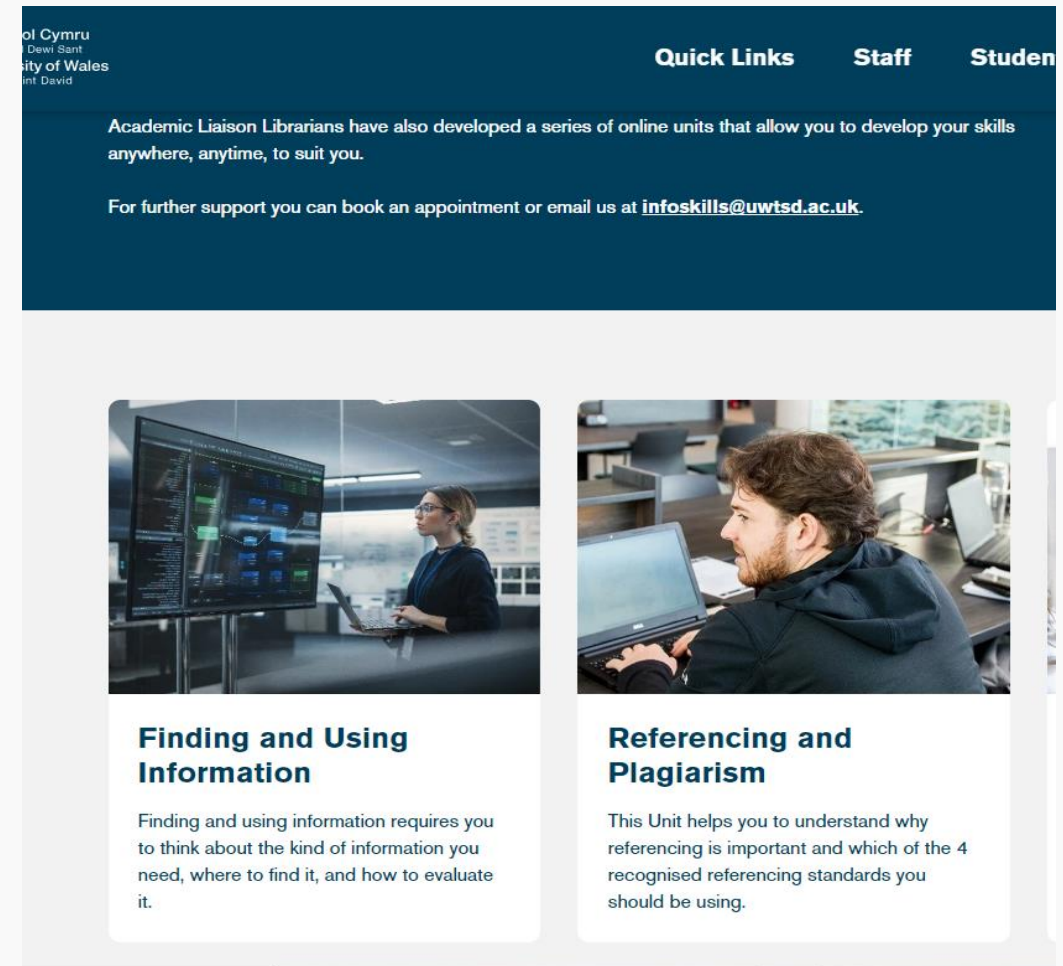


You will get here <https://hwb.uwtsd.ac.uk/app/collabco.library>

Academic and InfoSkills <https://intranet.uwtsd.ac.uk/departments/library-and-learning-resources/academic-and-infoskills>

- [Finding and Using Information](#) – Identifying Information: Types of information; stages of information; online resource lists
- [Referencing and Plagiarism](#)
- [Referencing Handbooks](#) / Cite Them Right (in online resource list)

Alternatively, you can access through Moodle.



Uwtsd Cymru
Dewi Sant
University of Wales
David

Quick Links **Staff** **Students**

Academic Liaison Librarians have also developed a series of online units that allow you to develop your skills anywhere, anytime, to suit you.

For further support you can book an appointment or email us at infoskills@uwtsd.ac.uk.



Finding and Using Information

Finding and using information requires you to think about the kind of information you need, where to find it, and how to evaluate it.



Referencing and Plagiarism

This Unit helps you to understand why referencing is important and which of the 4 recognised referencing standards you should be using.

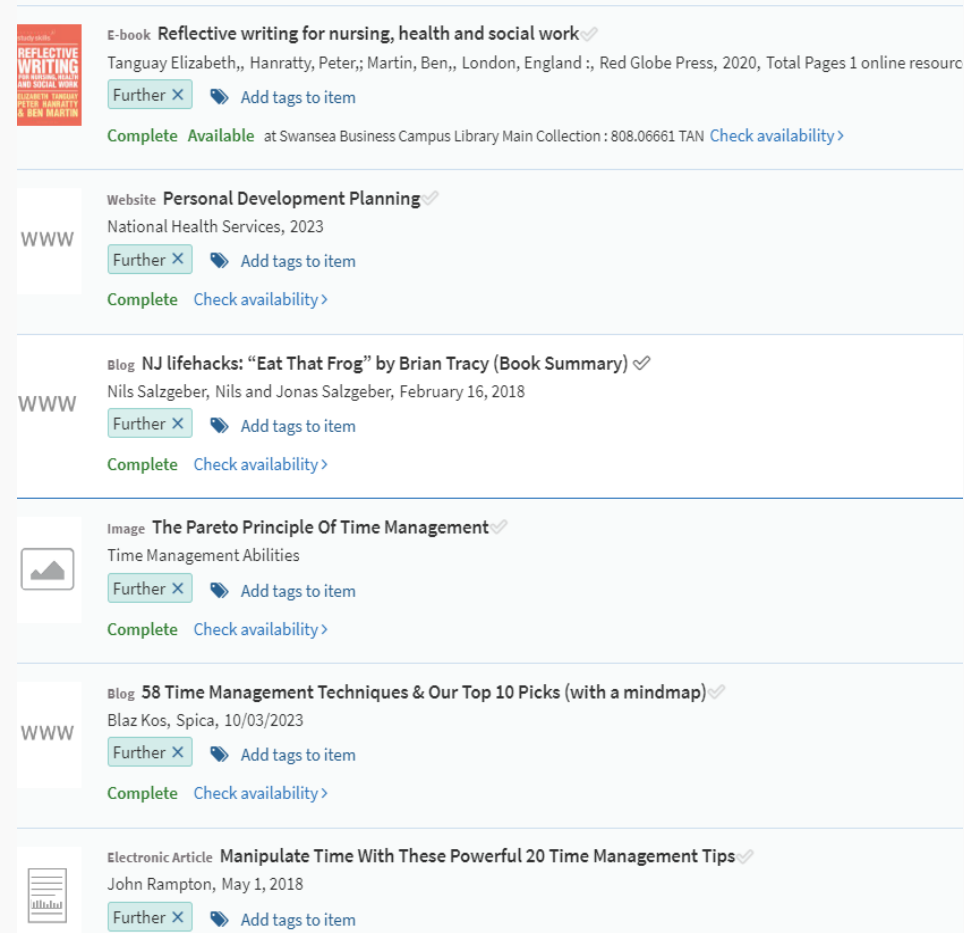
Finding and Using Information: Identifying Information

■ Types of information: Academic & Professional

- Textbooks
- Academic books
- Studies
- Pieces of research
- Academic articles
- News / magazine articles
- Audio and visual media
- Trade magazines

■ Types of information: Popular

- Websites
- Blogs
- Social media
- News

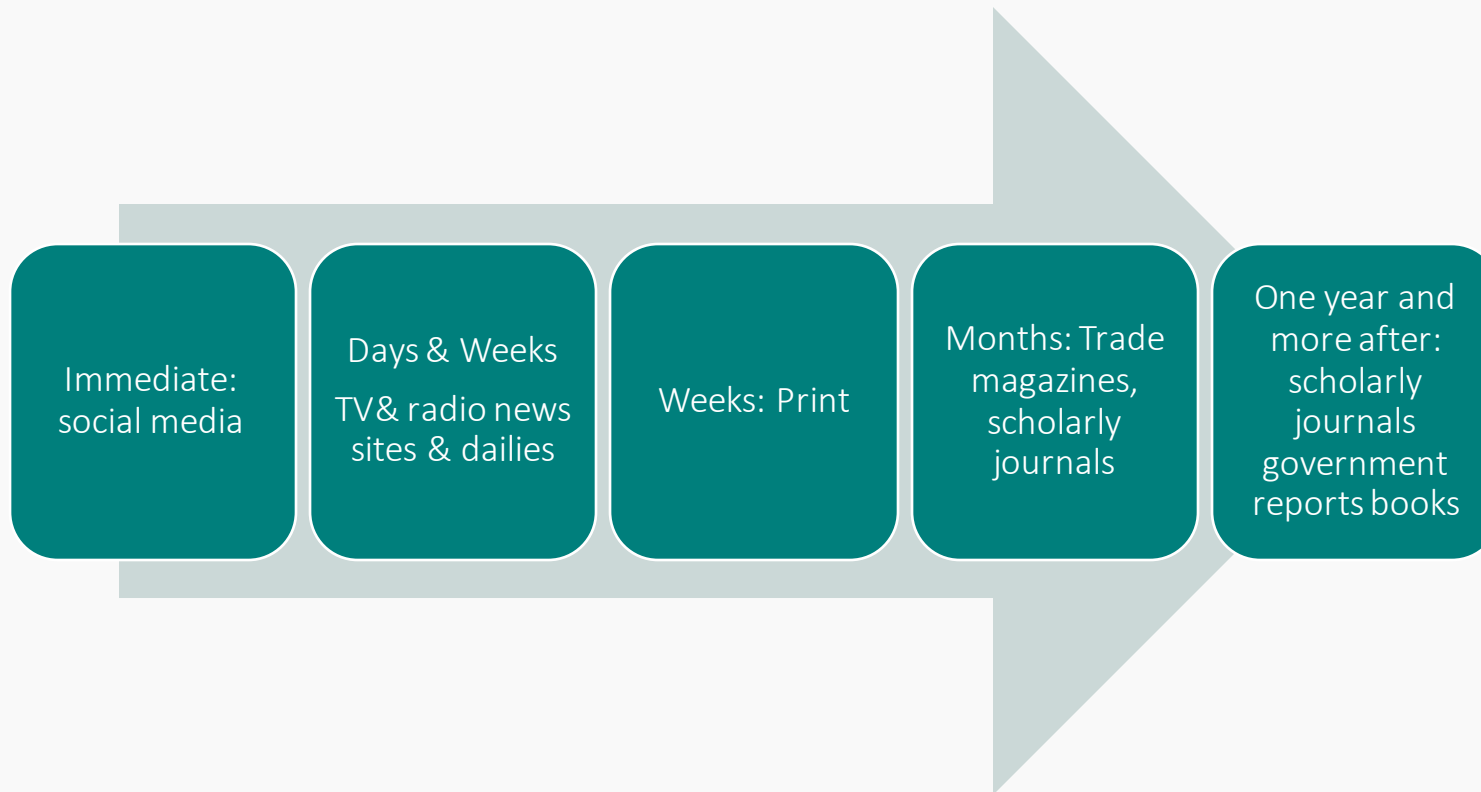


The screenshot displays a library catalog interface with several search results. Each result includes a small icon representing the item type (e.g., book, website, blog, image), the title, authors, publication details, and interactive buttons like 'Further X', 'Add tags to item', 'Complete', and 'Check availability >'. The results are categorized by type: E-book, Website, Blog, Image, and Electronic Article.

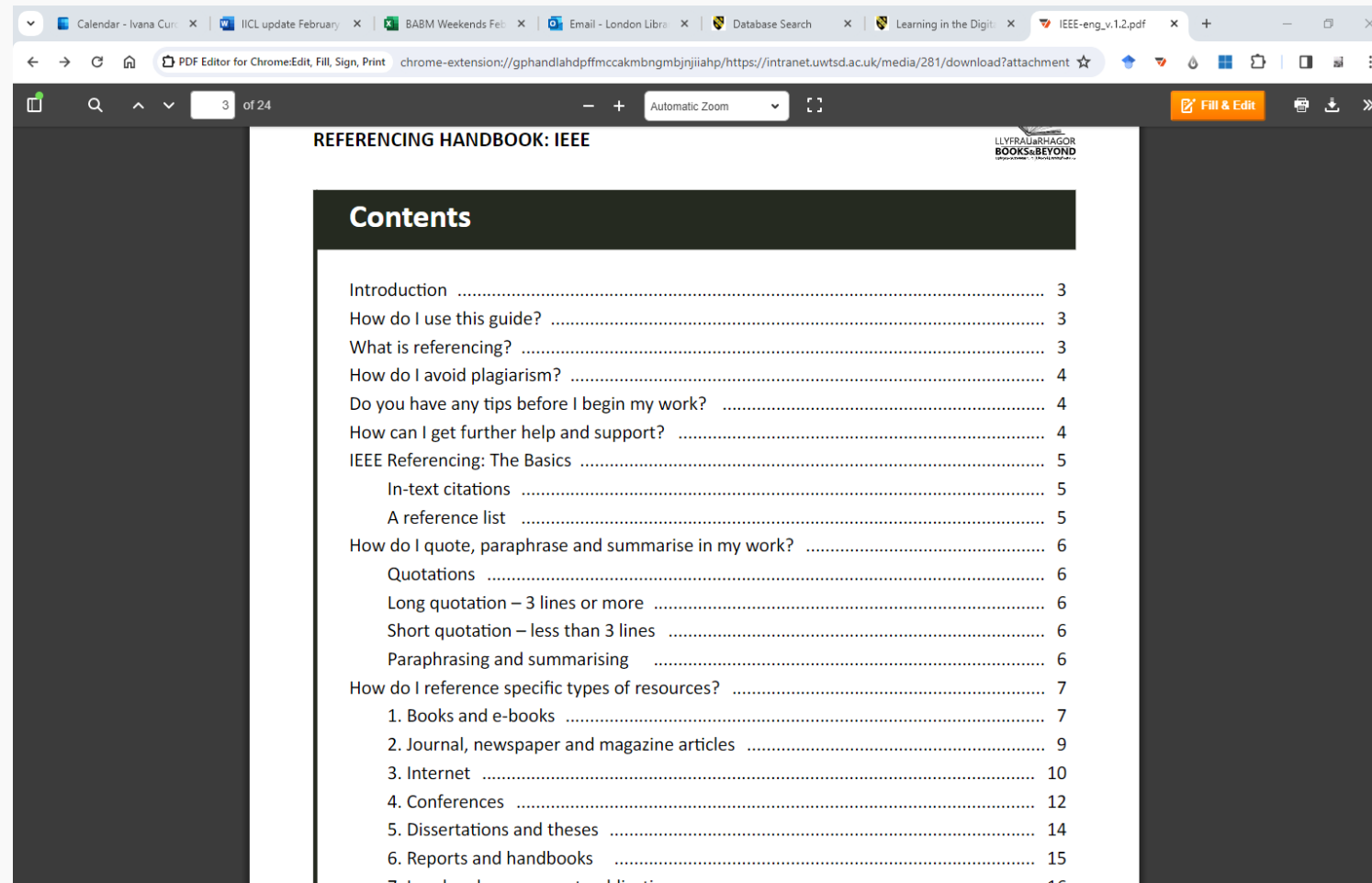
- E-book:** *Reflective writing for nursing, health and social work* by Tanguay Elizabeth, Hanratty, Peter, Martin, Ben, London, England; Red Globe Press, 2020. Total Pages 1 online resource. [Further X](#) [Add tags to item](#) [Complete](#) [Check availability >](#)
- Website:** *Personal Development Planning* by National Health Services, 2023. [Further X](#) [Add tags to item](#) [Complete](#) [Check availability >](#)
- Blog:** *NJ lifehacks: "Eat That Frog" by Brian Tracy (Book Summary)* by Nils Salzgeber, Nils and Jonas Salzgeber, February 16, 2018. [Further X](#) [Add tags to item](#) [Complete](#) [Check availability >](#)
- Image:** *The Pareto Principle Of Time Management* by Time Management Abilities. [Further X](#) [Add tags to item](#) [Complete](#) [Check availability >](#)
- Blog:** *58 Time Management Techniques & Our Top 10 Picks (with a mindmap)* by Blaz Kos, Spica, 10/03/2023. [Further X](#) [Add tags to item](#) [Complete](#) [Check availability >](#)
- Electronic Article:** *Manipulate Time With These Powerful 20 Time Management Tips* by John Rampton, May 1, 2018. [Further X](#) [Add tags to item](#)

Finding and Using Information: Stages of Information

- Stages of information:



Referencing Handbooks / Cite Them Right (in online resource list)



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Digital & Info Skills links (Access Intranet first!)

- [Moodle](#) – Online Resource Lists, Digicentre, and Library Info Skills module
- [InfoSkills Moodle Site / Finding and Using Information / Identifying information](#)
- [Harvard Referencing Handbooks](#) and/or Cite Them Right (in Online Resource List)
- [Digicentre](#) – Hundreds of online courses to help you with your studies and career and wellbeing (e.g. How to create a Power Point Presentation, Word Document, etc.)



Questions? Comments? Suggestions?

Thank you!

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