



COMP110: Principles of Computing
4: Research Skills



Research journal



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 - ▶ With reference to appropriate academic sources

Marking rubric

See assignment brief and video on LearningSpace

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- ▶ **Presentations** in week 7 (4th and 5th November)
- ▶ **Peer review** in week 8 (12th November)
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- ▶ Finding and reading academic papers takes time and effort — don't leave it until the last minute!

Scholarly literature



Scholarly work

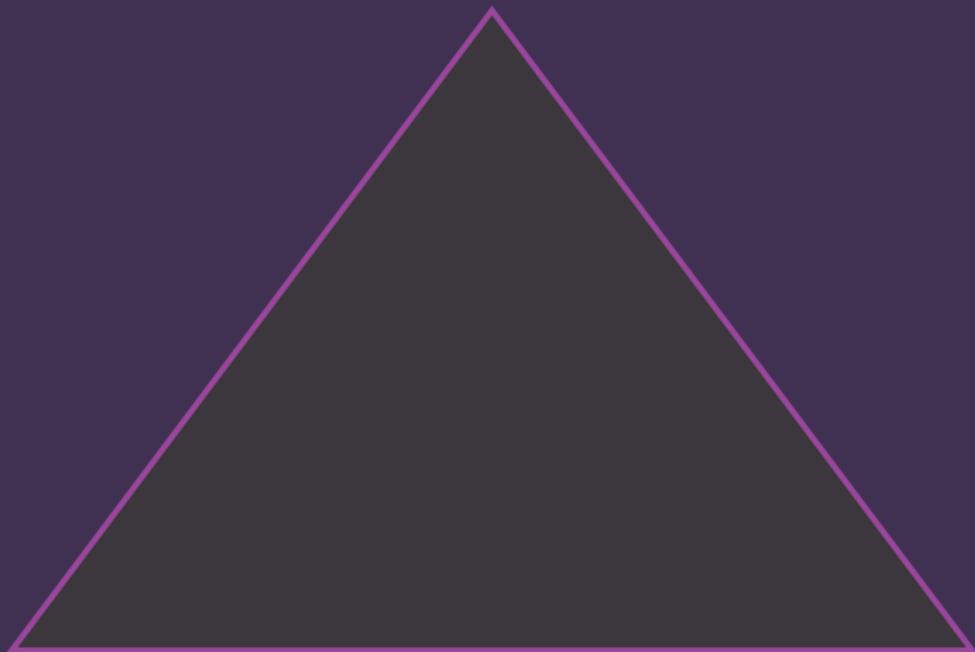
Scholarly work

- ▶ What is a “scholarly” work?

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- ▶ How do we know if something is scholarly?

Pyramid of sources

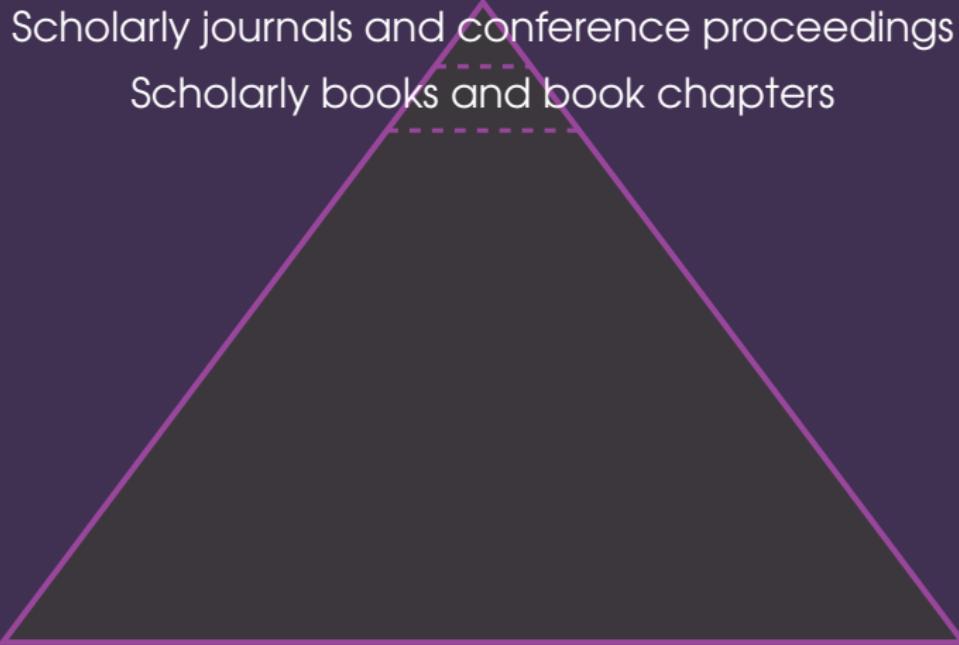


Pyramid of sources

Scholarly journals and conference proceedings



Pyramid of sources



Scholarly journals and conference proceedings

Scholarly books and book chapters

Pyramid of sources

The diagram features a large, dark grey triangle set against a dark purple background. Inside the triangle, there are three horizontal dashed lines in a lighter shade of purple. These dashed lines serve as boundaries for three distinct sections, each containing text describing a type of scholarly source. The top section is labeled 'Scholarly journals and conference proceedings'. The middle section is labeled 'Scholarly books and book chapters'. The bottom section is labeled 'Masters and PhD theses'.

Scholarly journals and conference proceedings

Scholarly books and book chapters

Masters and PhD theses

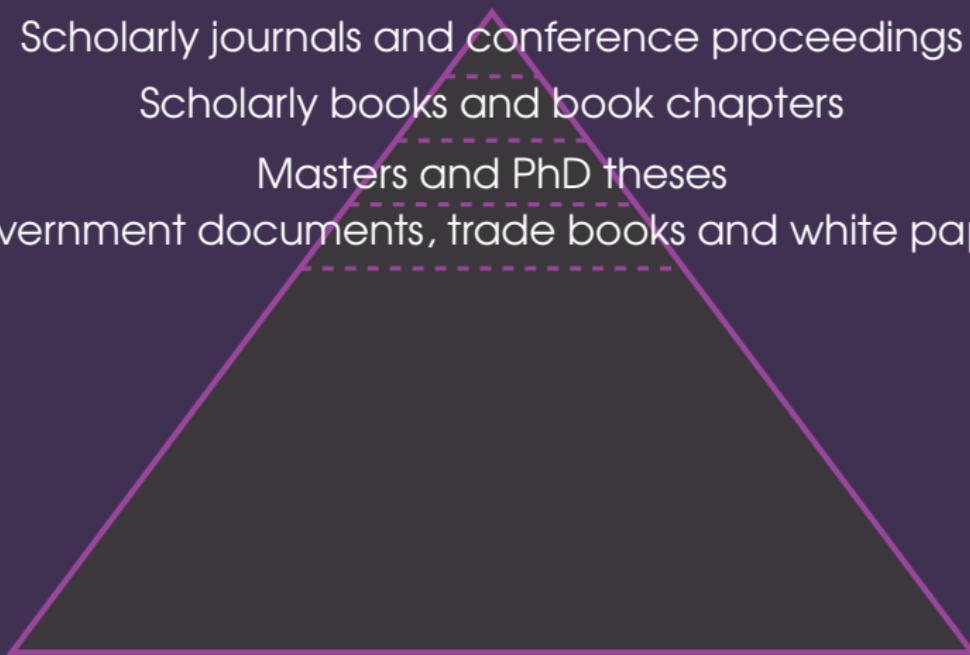
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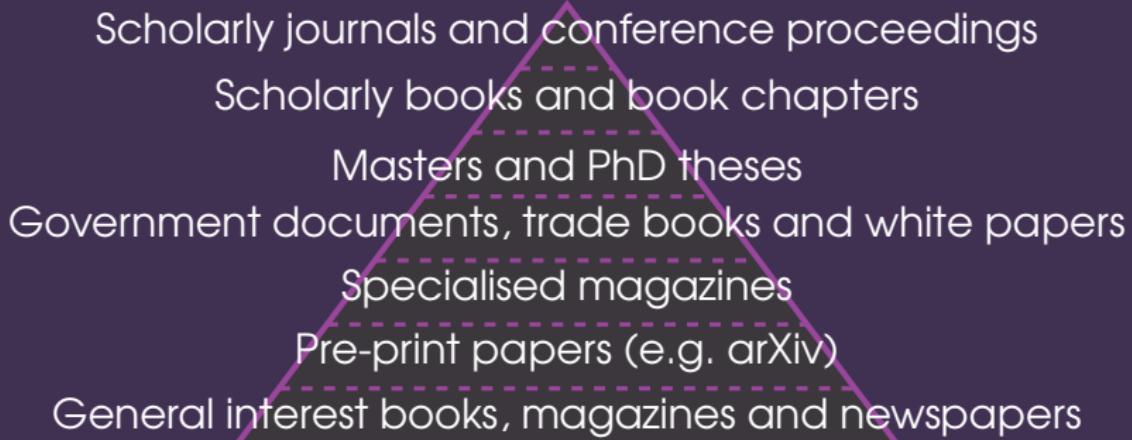
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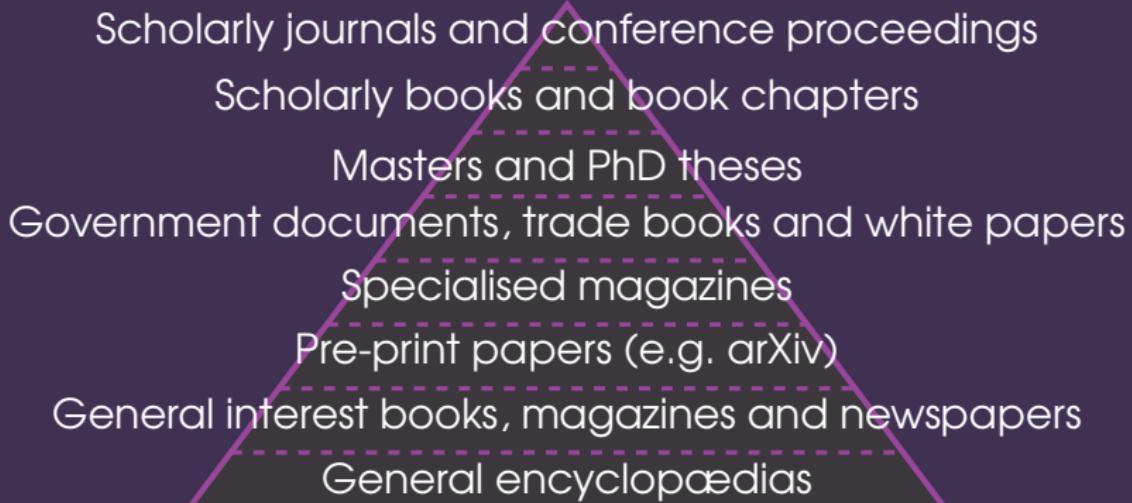
Specialised magazines

Pre-print papers (e.g. arXiv)

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Appropriateness of sources

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- ▶ **Venue:** Is the publisher reputable and free of undue editorial influences?

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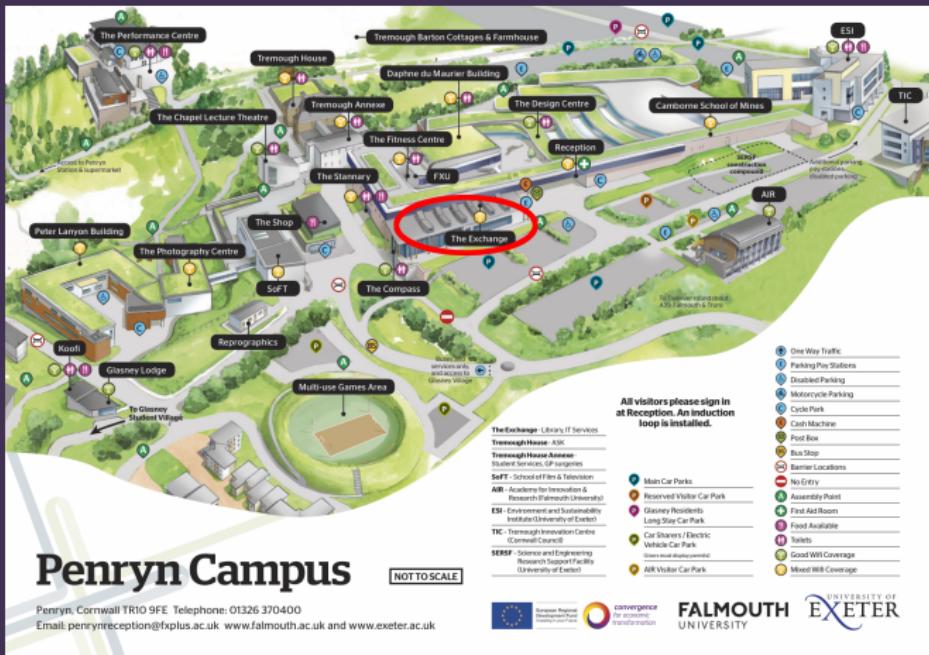
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The **way** in which sources are **used** is therefore important

Library resources



The library



Penryn, Cornwall TR10 9FE Telephone: 01326 370400
Email: penryn.reception@fplus.ac.uk www.falmouth.ac.uk and www.exeter.ac.uk

Library catalogue

<http://library.fxplus.ac.uk/>

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ACM Digital Library

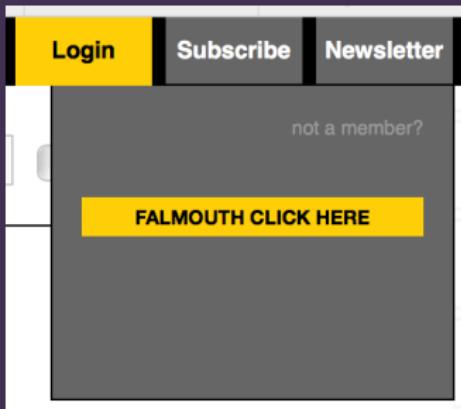
<http://dl.acm.org.ezproxy.falmouth.ac.uk/>

IEEE Xplore

<http://ieeexplore.ieee.org.ezproxy.falmouth.ac.uk/>

GDC Vault

<http://www.gdcvault.com.ezproxy.falmouth.ac.uk/>



There are only a limited number of login slots available —
remember to log out when you have finished!

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- ▶ Sites like **sci-hub** have sprung up, providing illegal downloads of papers

Referencing



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- ▶ Tools like BibTeX make it easy to switch styles

IEEE referencing style

[https://ieeeauthorcenter.ieee.org/wp-content/
uploads/IEEE-Reference-Guide.pdf](https://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE-Reference-Guide.pdf)

BibTeX entry types

https://en.wikibooks.org/wiki/LaTeX/Bibliography_Management#BibTeX

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Introducing LaTeX



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These slides were written in LaTeX

```
\part{Introducing LaTeX}
\frame{\partpage}

\begin{frame}{What is LaTeX?}
    \begin{itemize}
        \pause\item A \textbf{typesetting} system
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    \end{itemize}
\end{frame}

\begin{frame}{These slides were written in LaTeX}
    % Display the first few lines of this file
    \lstinputlisting[firstline=3,lastline=18]{latex.tex}
\end{frame}
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- ▶ Reconvene here at 5:30pm for a wrap-up